

INVITATION TO BID

The State of North Dakota, acting through the North Dakota Industrial Commission, Oil & Gas Division, invites you to submit a bid for the plugging of the following wells:

See attached list

To be considered, the bid must be on the form provided by the Industrial Commission, which must be fully completed in accordance with the accompanying "INSTRUCTIONS TO BIDDERS," and must be received in the Bismarck office of the Industrial Commission, Oil & Gas Division, no later than **3:00 p.m., March 25, 2021**. The Commission may reject any and all bids.

For additional information or blank bid forms, please go to the North Dakota Industrial Commission, Oil & Gas Division home page , <https://www.dmr.nd.gov/oilgas/> or contact Cody VanderBusch at (701)-328-8020.

INSTRUCTIONS TO BIDDERS

1. Form of Bids. Bids must be submitted on the attached bid form.
2. Submission of Bids. Bids must be enclosed in a sealed envelope, and the outside of the envelope must have the following on it:

Bid of: (Name of Contractor & Business Address)

N.D. Contractor's License No: (No. and Class of License)

Date License was Issued or Renewed: _____

ATTN: Mr. Cody VanderBusch

SEALED BID DO NOT OPEN

North Dakota Industrial Commission

Oil & Gas Division

1016 E Calgary Ave

Bismarck, N.D. 58503

3. Examination of Site. Prospective bidders may make a visual inspection of the well and well site to ascertain the nature and location of the work and the conditions which can affect the work and its cost. The Commission is not bound by any oral statement concerning the condition of the well or well site made by its staff or agents prior to the execution of the plugging contract.
4. Bidder Qualifications. No contract will be awarded unless: (a.) the bidder holds a current contractor's license in the class within which the value of the project falls issued at least ten days prior to the date set for receiving bids, and the bid envelope contains a copy of the license or a certificate of its renewal issued by the secretary of state (N.D.C.C. §43-07-12); and (b.) the bidder files along with its bid or after being notified that it is the successful bidder, a certificate from the ND State Tax Commissioner that bidder has paid all delinquent income, sales, and use taxes, if any (N.D.C.C. § 43-07-11.1).

5. Bid Deadline. All bids are due in the office of the Industrial Commission, Oil and Gas Division, by **3:00 p.m., March 25, 2021.** The office is at 1016 E. Calgary Ave., Bismarck, ND. Bids received after this deadline will not be considered.
6. Review of Bids. The public opening of the bids will be held at **3:00 p.m., March 25, 2021** at the Industrial Commission, Oil and Gas Division, 1016 E. Calgary Ave., Bismarck, ND.

NOTE: Bid will be awarded as a package, however, bids should be broken down per well and attached to the bid form.

7. Withdrawal of Bids. Bids may be withdrawn by bidder's written request received prior to the time set in paragraph 5.
8. Rejection of Bids. The Commission may reject any and all bids and may waive any technical or formal defect in a bid.
9. Notification of Award. The successful bidder, if any, will be notified of the award of the work within thirty days after the bid opening.
10. Contract. The bidder whose bid is accepted must enter into a written contract with the Commission within ten days after the award is made. The contract contains, among other things, provisions requiring the contractor to acquire insurance and to provide a bond. The required bonding amount will be \$160,000 per plugging rig being used on the project.
11. Cancellation of Award. The Commission may cancel the award of any contract at any time before execution of the contract by all parties without any liability to the Commission.
12. Title to Confiscated Material and Objects on Site. The Commission has title to all confiscated equipment on the well site. Any person who removes confiscated equipment or fluids from a well or well site without permission is subject to a civil penalty, up to \$12,500 per day, to be imposed by the Commission. Any person who willfully violates this section could be guilty of a Class C Felony.
13. Changes in Specifications. The Commission may, during the bidding period, advise bidders of alterations to the bidding package.

14. Note. When submitting bids, please consider that the Commission may add or remove wells from the list due to reasons deemed appropriate by the Commission. Bidders must ensure they meet and follow all bidder instructions and requirements as indicated in the plugging package.

BID

Bid for plugging of the wells in package _____:

Attach a page with the cost per well break out

Being fully familiar with the local conditions affecting the performance of the contract and having carefully examined the INVITATION TO BID, INSTRUCTIONS TO BIDDERS, PLUGGING SPECIFICATIONS, WELL PLUGGING CONTRACT, LABOR AND MATERIAL PAYMENT BOND and PERFORMANCE BOND bidder proposes and agrees to do all work called for in the specifications and contract and to furnish the services, equipment, and labor necessary for the full completion of the work for the lump sum price of _____- _____ dollars (\$ _____).

If the bidder's bid is accepted, the Industrial Commission will inform the bidder in writing within thirty days after the bid opening. Within ten days after receipt of such a notice, bidder will appear in the office of the North Dakota Industrial Commission, Oil and Gas Division, and execute the Well Plugging Contract. Bidder agrees that if bidder fails to enter into a contract, bidder is liable to the Commission for all expenses incurred by and damages suffered by the Commission as a result of the failure.

Dated this _____ day of _____ 2021.

Name of Bidder

Signature

Business Address

Business Telephone Number

Email Address

LABOR AND MATERIAL PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that we _____
_____, (Principal), and _____
_____, a corporation licensed to do business as a surety under the laws of the
State of North Dakota, (Surety), are held and firmly bound unto the State of North Dakota in the full and just
sum of _____ **AND NO/100 DOLLARS (\$.00)**, to be paid to the State of North
Dakota or its assigns, to which payment we bind ourselves, heirs, executors, administrators, successors and
assigns, jointly, severally, firmly by this bond.

WHEREAS, the Principal has entered into a contract with the State of North Dakota, acting by and
through the North Dakota Industrial Commission, dated _____ for plugging the following package:

Package 1

WHEREAS, it is one of the conditions of the award of the contract pursuant to statutes that this bond be
executed.

NOW THEREFORE, the conditions of this obligation are such that if the Principal shall duly and
promptly pay all laborers, mechanics, subcontractors and material men who perform work or furnish material
under the contract and all persons who shall supply the Principal or the subcontractor with materials, services,
bonds and insurance for the carrying on of the work, then this obligation shall be void; otherwise it shall remain
in full force and effect.

The Surety hereby waives notice of any extension of time and any alterations made in the terms of the
contract, unless the cumulative cost of such alterations cause the total project cost to exceed the original
contract sum by more than 10%.

FOR STATE USE ONLY:

Surety is licensed in ND: _____

Date verified: _____

Verified by: _____

Contractor: _____

Signature _____

Date _____

Surety: _____

Date _____

By: _____

Attorney-in-fact (Seal and Signature) _____

Agency _____

Address _____

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that _____
_____, (Principal), and _____
_____, a corporation licensed to do business as a surety under the laws of the State of North Dakota,
(Surety), are held and firmly bound unto the State of North Dakota in the full and just sum of
_____ **AND NO /100 DOLLARS (\$.00)**, to be paid to the State
of North Dakota or its assigns, to which payment we bind ourselves, heirs, executors, administrators, successors
and assigns, jointly, severally, firmly by this bond.

WHEREAS, the Principal has entered into a contract with the State of North Dakota, acting by and
through the North Dakota Industrial Commission, dated _____ for plugging of the following
package:

Package 1

WHEREAS, it is one of the conditions of the award of the contract pursuant to statutes that this bond be
executed.

NOW THEREFORE, the conditions of this obligation are such that if the above Principal shall promptly
and faithfully perform all of the provisions of the contract, and all obligations thereunder including the
specifications, and any alterations provided for, and shall in a manner satisfactory to the State of North Dakota,
complete the work contracted for including any alterations, and shall hold harmless the State of North Dakota
from any expense incurred through the failure of the Principal to complete the work as specified, then this
obligation shall be void; otherwise it shall remain in full force and effect.

The surety hereby waives notice of any extension of time and any alterations made in the terms of the
contract, unless the cumulative cost of such alterations cause the total project cost to exceed the original
contract sum by more than 10%.

FOR STATE USE ONLY:

Surety is licensed in ND: _____

Date verified: _____

Verified by: _____

Contractor: _____

Signature

Date

Surety: _____

Date

By: _____
Attorney-in-fact (Seal and Signature)

Agency

Address

WELL PLUGGING CONTRACT

The parties to this contract are the State of North Dakota, acting through the North Dakota Industrial Commission, Department of Mineral Resources, Oil and Gas Division, (COMMISSION) and [contractor's legal name and address] (CONTRACTOR);

I SCOPE OF SERVICES

CONTRACTOR, in exchange for the compensation paid by COMMISSION, shall provide all materials and labor necessary for and shall perform the work described in the Plugging Specifications, attached hereto as Exhibit A and incorporated into this contract, for the following well package:

See attach list of wells

II TIME FOR COMPLETION

CONTRACTOR shall complete the work under this contract within ninety days after the effective date of this contract.

III COMPENSATION

COMMISSION will pay the CONTRACTOR for the services provided under this contract an amount not to exceed _____ Dollars (\$_____.00), to be paid within thirty days after COMMISSION has accepted the work. If COMMISSION determines, in its sole discretion, that the well cannot be plugged according to the Plugging Specifications attached hereto as Exhibit A, COMMISSION may modify the Plugging Specifications to insure the well is properly plugged by CONTRACTOR. If such modifications result in increased material and labor costs, CONTRACTOR's compensation will be increased by an amount equal to the usual and customary charges as determined by COMMISSION, for the additional material and labor. In the case where such modifications result in decreased material and labor costs, CONTRACTOR's compensation will be decreased by an amount based on the usual and customary changes relative to the material and labor expenses, as determined by COMMISSION.

IV CONTRACT DOCUMENTS

The contract documents that accompany this contract are the Invitation to Bid, Instructions to Bidder, Bid Form, Plugging Specifications and Contractor's Performance Bond and Labor and Materials Payment Bond and are incorporated as part of the contract. In the event of any inconsistency or conflict among the documents making up this contract, the terms of the contract shall control.

V
LIABILITY AND INDEMNITY

CONTRACTOR agrees to defend, indemnify, and hold harmless the state of North Dakota, its agencies, officers and employees (State), from claims resulting from the performance of CONTRACTOR or its agent, including all costs, expenses and attorneys' fees, which may in any manner result from or arise out of this contract, except claims based upon the State's sole negligence or intentional misconduct. The legal defense provided by CONTRACTOR to the State under this provision must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary. Any attorney appointed to represent the State must first qualify as and be appointed by the North Dakota Attorney General as a Special Assistant Attorney General as required under N.D.C.C. § 54-12-08. CONTRACTOR also agrees to reimburse the State for all costs, expenses and attorneys' fees incurred in establishing and litigating the indemnification coverage provided herein. This obligation shall continue after the termination of this agreement.

VI
INSURANCE

CONTRACTOR shall secure and keep in force during the term of this agreement and CONTRACTOR shall require all subcontractors, prior to commencement of an agreement between CONTRACTOR and the subcontractor, to secure and keep in force during the term of this agreement, from insurance companies, government self-insurance pools, or government self-retention funds authorized to do business in North Dakota, the following insurance coverage:

- 1) Commercial general liability, including premises or operations, contractual, and products or completed operations coverages (if applicable), with minimum liability limits of \$1,000,000 per occurrence.
- 2) Automobile liability, including Owned (if any), Hired, and Non-Owned automobiles, with minimum liability limits of \$250,000 per person and \$1,000,000 per occurrence.
- 3) Workers compensation coverage meeting all statutory requirements. The policy shall provide coverage for all states of operation that apply to the performance of this contract.
- 4) Employer's liability or "stop gap" insurance of not less than \$1,000,000 as an endorsement on the workers compensation or commercial general liability insurance.
- 5) Contractor's Pollution Liability coverage for Personal Injury, Property Damage and Cleanup Cost arising from pollution conditions caused by the operations of the Contractor for limits of \$1,000,000. Occurrence coverage is preferred but coverage may be provided on a claims-made form that includes a three-year tail coverage endorsement. Coverage shall include contractual liability coverage for claims arising out of liability of subcontractors, loading and unloading, unlimited complete operations, and non-owned disposal site coverage.

The insurance coverages listed above must meet the following additional requirements:

- 1) Any deductible or self-insured retention amount or other similar obligation under the policies shall be the sole responsibility of CONTRACTOR. The amount of any deductible or self-retention is subject to approval by COMMISSION;
- 2) This insurance may be in policy or policies of insurance, primary and excess, including

the so-called umbrella or catastrophe form and must be placed with insurers rated “A-” or better by A.M. Best Company, Inc., provided any excess policy follows form for coverage. Less than an “A-” rating must be approved by the COMMISSION. The policies shall be in form and terms approved by COMMISSION.

- 3) COMMISSION will be defended, indemnified, and held harmless to the full extent of any coverage actually secured by CONTRACTOR in excess of the minimum requirements set forth above. The duty to indemnify COMMISSION under this agreement shall not be limited by the insurance required by this agreement.
- 4) The State of North Dakota and its agencies, officers, and employees (State) shall be endorsed on the commercial general liability policy, including any excess policies (to the extent applicable), as additional insured. The State shall have all the benefits, rights, and coverage of an additional insured under these policies that shall not be limited to the minimum limits of insurance required by this agreement or by the contractual indemnity obligations of the Contractor.
- 5) The insurance required in this agreement, through a policy or endorsement, shall include:
 - a) A “Waiver of Subrogation” waiving any right to recovery the insurance company may have against the State;
 - b) A provision that CONTRACTOR’s insurance coverage shall be primary (i.e. pay first) as respects any insurance, self-insurance, or self-retention maintained by the State and that any insurance, self-insurance, or self-retention maintained by the State shall be in excess of the CONTRACTOR’s insurance and shall not contribute with it;
 - c) Cross liability/severability of interest for all policies and endorsements;
 - d) The legal defense provided to the State under the policy and any endorsements must be free of any conflicts of interest, even if retention of separate legal counsel for the State is necessary; and
 - e) The insolvency or bankruptcy of the insured CONTRACTOR shall not release the insurer from payment under the policy, even when such insolvency or bankruptcy prevents the insured CONTRACTOR from meeting the retention limit under the policy.
- 6) CONTRACTOR shall furnish a certificate of insurance to the undersigned State representative prior to commencement of this agreement. All endorsements shall be provided as soon as practicable.
- 7) Failure to provide insurance as required in this contract is a material breach of contract entitling COMMISSION to terminate this contract immediately.
- 8) CONTRACTOR shall provide at least 30 day notice of any cancellation or material change to the policies or endorsements. Contractor shall provide on an ongoing basis, current certificates of insurance during the term of the contract. A renewal certificate will be provided 10 days prior to coverage expiration.

VII
MERGER AND MODIFICATION

This contract, including the incorporated documents, constitutes the entire agreement between the parties. There are no understandings, agreements, or representations, oral or written, not specified with in this contract. This contract may not be modified, supplemented, or amended in any manner, except by written agreement signed by both parties.

VIII
ASSIGNMENT AND SUBCONTRACTS

CONTRACTOR may not assign or otherwise transfer or delegate any right or duty under this contract without COMMISSION's written consent, provided, however, that CONTRACTOR may enter into subcontracts provided that any subcontract acknowledges the binding nature of this contract and incorporates this contract, including any attachments. CONTRACTOR is solely responsible for the performance of any subcontractor. CONTRACTOR has no authority to contract for or incur obligations on behalf of STATE.

IX
ATTORNEYS' FEES

In the event a lawsuit is brought by COMMISSION to obtain performance due under this contract, and COMMISSION is the prevailing party, CONTRACTOR shall, except when prohibited by N.D.C.C. § 28-26-04, pay COMMISSION's reasonable attorney fees and costs in connection to the lawsuit.

X
APPLICABLE LAW AND VENUE

This contract is governed by and construed in accordance with the laws of the State of North Dakota. Any action to enforce this contract must be adjudicated in the state District Court of Burleigh County, North Dakota. Each party consents to the exclusive jurisdiction of such court and waives any claim of lack of jurisdiction or *forum non conveniens*.

XI
INDEPENDENT ENTITY

CONTRACTOR is an independent entity under this contract and is not a COMMISSION employee for any purpose, including application of the Social Security Act, the Fair Labor Standards Act, the Federal Insurance Contribution Act, the North Dakota Unemployment Compensation Law, and the North Dakota Workforce Safety and Insurance Act. No part of this contract shall be construed to represent the creation of an employer/employee relationship. CONTRACTOR retains sole and absolute discretion in the manner and means of carrying out CONTRACTOR's activities and responsibilities under this contract, except to the extent specified in this contract.

XII
NONDISCRIMINATION AND COMPLIANCE WITH LAWS

CONTRACTOR agrees to comply with all applicable federal and state laws, rules, and policies, including but not limited to, those relating to nondiscrimination, accessibility, and civil rights (See N.D.C.C. Title 34 – Labor and Employment, specifically N.D.C.C. ch. 34-06.1 Equal Pay for Men and Women).

CONTRACTOR agrees to timely file all required reports, make required payroll

deductions, and timely pay all taxes and premiums owed, including sales and use taxes, unemployment compensation, and workers' compensation premiums.

CONTRACTOR shall have and keep current at all times during the term of this contract all licenses and permits required by law.

CONTRACTOR's failure to comply with this section may be deemed a material breach by CONTRACTOR entitling the COMMISSION to terminate in accordance with the Termination for Cause section of this Contract.

XIII SEVERABILITY

If any term of this agreement is declared to be illegal or unenforceable by a court having competent jurisdiction, the validity of the remaining terms are unaffected, and if possible, the rights and obligations of the parties are to be construed and enforced as if the contract did not contain that term.

XIV STATE AUDIT

All records, regardless of physical form, and the accounting practices and procedures of CONTRACTOR relevant to this contract are subject to examination by the North Dakota State Auditor, the Auditor's designee, or Federal auditors, if required. CONTRACTOR will maintain all of these records for at least three years (3) following completion of this contract and be able to provide them upon reasonable notice. The COMMISSION, State Auditor, or Auditor's designee shall provide reasonable notice to CONTRACTOR prior to conducting examination.

XV SPOILIATION - PRESERVATION OF EVIDENCE

CONTRACTOR shall promptly notify COMMISSION of all potential claims that arise from or result from this contract. CONTRACTOR shall take all reasonable steps to preserve all physical evidence and information which may be relevant to the circumstances surrounding a potential claim, while maintaining public safety, and grants to COMMISSION the opportunity to review and inspect such evidence, including the scene of the accident.

XVI TERMINATION OF CONTRACT

- a. Termination by Mutual Consent. This contract may be terminated by mutual consent of both parties executed in writing.
- b. Early Termination in the Public Interest. COMMISSION is entering into this contract for the purpose of carrying out the public policy of the state of North Dakota, as determined by the Governor, Legislative Assembly, agencies and courts. If this contract ceases to further the public policy of the state of North Dakota, COMMISSION, in its sole discretion, by written notice to CONTRACTOR, may terminate this contract in whole or in part.
- c. Termination for Lack of Funding or Authority. COMMISSION, by written notice to CONTRACTOR, may terminate in whole or any part of this contract, under any of the following conditions:

- (1) If funding from federal, state, or other sources is not obtained and continued at levels

sufficient to allow for purchase of the services or supplies in the indicated quantities or term.

- (2) If federal or state laws or rules are modified or interpreted in a way that the services are no longer allowable or appropriate for purchase under this contract or are no longer eligible for the funding proposed for payments authorized by this contract.
- (3) If any license, permit, or certificate required by law or rule, or by the terms of this contract, is for any reason denied, revoked, suspended, or not renewed.

Termination of this contract under this subsection is without prejudice to any obligations or liabilities of either party already accrued prior to termination.

d. Termination for Cause. COMMISSION may terminate this contract effective upon delivery of written notice to CONTRACTOR, or any later date stated in the notice:

- (1) If CONTRACTOR fails to provide services required by this contract within the time specified or any extension agreed to by COMMISSION; or
- (2) If CONTRACTOR fails to perform any of the other provisions of this contract, or so fails to pursue the work as to endanger performance of this contract in accordance with its terms.

The rights and remedies of COMMISSION provided in this subsection are not exclusive and are in addition to any other rights and remedies provided by law or under this contract.

XVII NOTICE

All notices or other communications required under this contract shall be given by registered or certified mail and are complete on the date postmarked when addressed to the parties at the following addresses:

	or	

Notice provided under this provision does not meet the notice requirements for monetary claims against the state found at N.D.C.C. § 32-12.2-04.

XIII TAXPAYER ID

CONTRACTOR's North Dakota tax ID number is: _____
CONTRACTOR's federal employer ID number is: _____

XIV PAYMENT OF TAXES BY COMMISSION

COMMISSION is not responsible for and will not pay local, state, or federal taxes. State sales tax exemption number is E-2001. COMMISSION will furnish certificates of exemption upon request by the CONTRACTOR.

XX
EFFECTIVENESS OF CONTRACT

This contract is not effective until fully executed by both parties. If the dates of execution are different, then the later date of execution is the effective date.

XXI
FORCE MAJEURE

Neither party shall be held responsible for delay or default caused by fire, flood, riot, terrorism, acts of God, or war if the event is beyond the party's reasonable control and the affected party gives notice to the other party promptly upon occurrence of the event causing the delay or default or that is reasonably expected to cause a delay or default.

XXII
RENEWAL

This contract will not automatically renew. If COMMISSION desires to renew, COMMISSION will provide written notice to CONTRACTOR of its intent to renew this contract at least 60 days before the scheduled termination date.

XXIII
ALTERNATIVE DISPUTE RESOLUTION - JURY TRIAL

By entering into this contract, COMMISSION does not agree to binding arbitration, mediation, or other forms of mandatory Alternative Dispute Resolution. The parties may enforce their rights and remedies in judicial proceedings. COMMISSION does not waive any right to a jury trial.

XXIV
CONFIDENTIALITY

CONTRACTOR shall not use or disclose any information it receives from COMMISSION under this contract that COMMISSION has previously identified as confidential or exempt from mandatory public disclosure except as necessary to carry out the purposes of this contract or as authorized in advance by COMMISSION. COMMISSION shall not disclose any information it receives from CONTRACTOR that CONTRACTOR has previously identified as confidential and that COMMISSION determines, in its sole discretion, is protected from mandatory public disclosure under a specific exception to the North Dakota open records law, N.D.C.C. ch. 44-04. The duty of COMMISSION and CONTRACTOR to maintain confidentiality of information under this section continues beyond the term of this contract.

XXV
COMPLIANCE WITH PUBLIC RECORDS LAWS

CONTRACTOR understands that, in accordance with the Contract's Confidentiality clause, COMMISSION must disclose to the public upon request any records it receives from CONTRACTOR. CONTRACTOR further understands that any records that are obtained or generated by CONTRACTOR under this contract may, under certain circumstances, be open to the public upon request under the North Dakota open records law. CONTRACTOR agrees to contact COMMISSION promptly upon receiving a request for information under the open records law and to comply with STATE'S instructions on how to respond to the request.

XXVI
WORK PRODUCT, EQUIPMENT AND MATERIALS

All work product, equipment, or materials created for COMMISSION or purchased by COMMISSION under this contract belong to COMMISSION and must be immediately delivered to COMMISSION at COMMISSION'S request upon termination of this contract. CONTRACTOR agrees that all work(s) under this contract is "work(s) for hire" within the meaning of the United States Copyright Act (Title 17 United States Code) and hereby assigns to COMMISSION all rights and interests CONTRACTOR may have in the work(s) it prepares under this contract, including any right to derivative use of the work(s). CONTRACTOR shall execute all necessary documents to enable COMMISSION to protect its rights under this section.

STATE OF NORTH DAKOTA
Acting through its
N.D. Industrial Commission
Department of Mineral Resource
Oil & Gas Division

By: _____
Title: _____
DATE: _____

CONTRACTOR

By: _____
Title: _____
DATE: _____

Plugging Package 1

ROGER KERSTEN ESTATE 1
SESE Section 4 -T160N-R79 W
BOTTINEAU County
File No. 3512

SCHLAK 2
SENE Section 30-T160N-T86W
RENVILLE County
File No. 19783

NWMU A-11H
SENW Section 36-N164N-R80W
BOTTINEAU County
File No. 20673

SCHLAK 3
NENE Section 30-T160N-R86W
RENVILLE County
File No. 25472

KABANUCK 1
Section 23-T159-R82W
BOTTINEAU County
File No. 13333

LAURA FUNKE 4
NWSW Section 30-T160N-R85W
RENVILLE County
File No. 21720

KOEHLER 32-23 #2
SENE Section 23-T162N-R81W
BOTTINEAU County
File No. 13299

E-M ALEXANDER 17-8
SENE Section 17-T160N-R86 W
RENVILLE County
File No. 13148

TRIPLETT 1-2
NESE Section 2-T159N-R86W
RENVILLE County
File No. 13351

FLEM 1
NWNE Section 3 -T163N-R85 W
RENVILLE County
File No. 2088

FLEM B 1

SENE Section 3 -T163N-R85 W

RENVILLE County

File No. 2170

SUNDSBAK 1-14

NENE Section 14-T153N-R84 W

WARD County

File No. 12491

MORTON BECKEDAHL B 1

SESE Section 34-T164N-R85W

RENVILLE County

File No. 2279

EPEX ENGERBERG 28-11

NESW Section 28-T160N-R86 W

RENVILLE County

File No. 12410

BECKEDAHL D 2

NESW Section 35-T164N-R85 W

RENVILLE County

File No. 12572

NANGCHEN 155-86-11-HS1

SESE Section 11-T155N-R86W

WARD County

File No. 29241

PLUGGING SPECIFICATIONS

SUBJECT WELL

Flem #1
NW NE 3-163-85
Renville County, ND
Well File No. 2088
Sherwood Field

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 331',
4 1/2" intermediate casing @ 4174',
Gross Perfs – 4166-4172'.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Do One Call. Notify Field Inspector at least 24 hrs prior to commencing work (Scott Dihle #701-720-5660). Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead.
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO and LD BHA.
- 5. Trip in hole with tubing and bit and scraper for 4-1/2" casing to 4166' (Top perf @ 4166'). Trip out of hole with tubing, bit, and scraper.

6. Trip in hole with tubing and CICR. Set CICR +/- 4116' (50' above perfs). Pressure test casing to 1000 psi. Circulate with clean heavy fluid (10# SW). TOH. Rig up wireline unit. Run CBL to determine TOC. Procedure may be subject to change, depending on the results of the CBL. CIBP's will be required approx.. 50' below all squeeze perfs and directly below balanced plugs.
 7. Trip in hole w/ stinger. Rig up cement equipment. Establish injection rate. Mix 100 sks Class G cement. Squeeze 90 sks into formation and leave 10 sks on CICR. Rig down cement equipment. Trip out.
 8. MIRU wireline unit. If casing fails pressure test, set CIBP @ 2634'. Perf (4 shot) @ 2584' (top of Mowry @ 2534'). RD wireline. TIH with workstring and CICR. Set CICR @ 2484' on tubing. Rig up Cementers. Establish injection rate. Mix 100 sx Class G. Squeeze 90 sx in, and dump 10 sx on top of CICR. Rig down Cementers. TOH.
 9. MIRU wireline unit. If casing fails, pressure test, set CIBP @ 584'. Perf Pierre @ 534' (4 shot) (Top of Pierre is 484'). RD Wireline unit.
 10. Attempt to establish circulation to surface w/ FW. If circulation rate can be established, cement operations go til cement is circulated to surface (open top tank). If circulation cannot be established, prepare to set CICR at 434', and cement with 75 sx (65 sx in, 10 sx on top). Then go to step 11.
 11. Perf at 90' (2 shot). RD wireline unit. Rig up cement equipment. Hook up and circulate cement to surface. Rig down BOP and rig, Bolt wellhead back on. Wait for cement to cure at a minimum of 24 hrs, then cut off surface and prod. Casing at least 5' below the ground level. May need to top off cement in casing. Weld steel ID plate on top with Well File # and date on it.
 12. Dig up and pull out dead men.
 13. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be

necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

Flem # B 1
SE NE 3-163-85
Renville County, ND
Well File No. 2170
Sherwood Field

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 304',
4 1/2" intermediate casing @ 4194',
Gross Perfs – 4186-4192'.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Do One Call. Notify Field Inspector at least 24 hrs prior to commencing work (Scott Dihle #701-720-5660). Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead.
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO and LD BHA.
- 5. Trip in hole with tubing and bit and scraper for 4-1/2" casing to 4186' (Top perf @ 4186'). Trip out of hole with tubing, bit, and scraper.

6. Trip in hole with tubing and CICR. Set CICR +/- 4136' (50' above perfs). Pressure test casing to 1000 psi. Circulate with clean heavy fluid (10# SW). TOH. Rig up wireline unit. Run CBL to determine TOC. Procedure may be subject to change, depending on the results of the CBL. CIBP's will be required approx.. 50' below all squeeze perfs and directly below balanced plugs.
 7. Trip in hole w/ stinger. Rig up cement equipment. Establish injection rate. Mix 100 sks Class G cement. Squeeze 90 sks into formation and leave 10 sks on CICR. Rig down cement equipment. Trip out.
 8. MIRU wireline unit. If casing fails pressure test, set CIBP @ 2650'. Perf (4 shot) @ 2600' (top of Mowry @ 2550'). RD wireline. TIH with workstring and CICR. Set CICR @ 2500' on tubing. Rig up Cementers. Establish injection rate. Mix 100 sx Class G. Squeeze 90 sx in, and dump 10 sx on top of CICR. Rig down Cementers. TOH.
 9. MIRU wireline unit. If casing fails, pressure test, set CIBP @ 569'. Perf Pierre @ 519' (4 shot) (Top of Pierre is 469'). RD Wireline unit.
 10. Attempt to establish circulation to surface w/ FW. If circulation rate can be established, cement operations go til cement is circulated to surface (open top tank). If circulation cannot be established, prepare to set CICR at 419', and cement with 75 sx (65 sx in, 10 sx on top). Then go to step 11.
 11. Perf at 90' (2 shot). RD wireline unit. Rig up cement equipment. Hook up and circulate cement to surface. Rig down BOP and rig, Bolt wellhead back on. Wait for cement to cure at a minimum of 24 hrs, then cut off surface and prod. Casing at least 5' below the ground level. May need to top off cement in casing. Weld steel ID plate on top with Well File # and date on it.
 12. Dig up and pull out dead men.
 13. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be

necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

Morton Beckedahl # B 1
SE SE 34-164-85
Renville County, ND
Well File No. 2279
Sherwood Field

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 304',
4 1/2" intermediate casing @ 4202',
Gross Perfs – 4154-4170'.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Do One Call. Notify Field Inspector at least 24 hrs prior to commencing work (Scott Dihle #701-720-5660). Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead.
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO and LD BHA.
- 5. Trip in hole with tubing and bit and scraper for 4-1/2" casing to 4154' (Top perf @ 4154'). Trip out of hole with tubing, bit, and scraper.

6. Trip in hole with tubing and CICR. Set CICR +/- 4104' (50' above perfs). Pressure test casing to 1000 psi. Circulate with clean heavy fluid (10# SW). TOH. Rig up wireline unit. Run CBL to determine TOC. Procedure may be subject to change, depending on the results of the CBL. CIBP's will be required approx.. 50' below all squeeze perfs and directly below balanced plugs.
 7. Trip in hole w/ stinger. Rig up cement equipment. Establish injection rate. Mix 100 sks Class G cement. Squeeze 90 sks into formation and leave 10 sks on CICR. Rig down cement equipment. Trip out.
 8. MIRU wireline unit. If casing fails pressure test, set CIBP @ 2620'. Perf (4 shot) @ 2570' (top of Mowry @ 2520'). RD wireline. TIH with workstring and CICR. Set CICR @ 2470' on tubing. Rig up Cementers. Establish injection rate. Mix 100 sx Class G. Squeeze 90 sx in, and dump 10 sx on top of CICR. Rig down Cementers. TOH.
 9. MIRU wireline unit. If casing fails, pressure test, set CIBP @ 580'. Perf Pierre @ 530' (4 shot) (Top of Pierre is 480'). RD Wireline unit.
 10. Attempt to establish circulation to surface w/ FW. If circulation rate can be established, cement operations go til cement is circulated to surface (open top tank). If circulation cannot be established, prepare to set CICR at 430', and cement with 75 sx (65 sx in, 10 sx on top). Then go to step 11.
 11. Perf at 90' (2 shot). RD wireline unit. Rig up cement equipment. Hook up and circulate cement to surface. Rig down BOP and rig, Bolt wellhead back on. Wait for cement to cure at a minimum of 24 hrs, then cut off surface and prod. Casing at least 5' below the ground level. May need to top off cement in casing. Weld steel ID plate on top with Well File # and date on it.
 12. Dig up and pull out dead men.
 13. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be

necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

Epex Engberg #28-11
NE SW 28-160-86
Renville County, ND
Well File No. 12410
Smith Field

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 605',
5 1/2" intermediate casing @ 5800',
Gross Perfs – 5518-5542'.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Do One Call. Notify Field Inspector at least 24 hrs prior to commencing work (Scott Dihle #701-720-5660). Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead.
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO H and LD BHA.
- 5. Trip in hole with tubing and bit and scraper for 5 1/2" casing to 5518' (Top perf @ 5518'). Trip out of hole with tubing, bit, and scraper.

6. Trip in hole with tubing and CICR. Set CICR +/- 5468' (50' above perfs). Pressure test casing to 1000 psi. Circulate with clean heavy fluid (10# SW). TOH. Rig up wireline unit. Run CBL to determine TOC. Procedure may be subject to change, depending on the results of the CBL. CIBP's will be required approx.. 50' below all squeeze perfs and directly below balanced plugs.
 7. Trip in hole w/ stinger. Rig up cement equipment. Establish injection rate. Mix 100 sks Class G cement. Squeeze 90 sks into formation and leave 10 sks on CICR. Rig down cement equipment. Trip out.
 8. MIRU wireline unit. If casing fails pressure test, set CIBP @ 3506'. Perf (4 shot) @ 3406' (top of Mowry @ 3356'). RD wireline. TIH with workstring and CICR. Set CICR @ 3306' on tubing. Rig up Cementers. Establish injection rate. Mix 100 sx Class G. Squeeze 90 sx in, and dump 10 sx on top of CICR. Rig down Cementers. TOH.
 9. MIRU wireline unit. If casing fails, pressure test, set CIBP @ 1324'. Perf Pierre @ 1224' (4 shot) (Top of Pierre is 1174'). RD Wireline unit. TIH, set CICR at 1124'. Rig up cementers. Establish injection rate. Mix 100 sx Class G cement. Squeeze 90 sx in, dump 10 sx on top. Surface casing and prod. Casing must be open and plumbed to open top tank. TOH.
 10. MIRU wireline unit. If casing fails pressure test, set CIBP at 755'. Perf for shoe plug @ 655' w/ 4 shot (SC to 605'). RD wireline unit. Rig up cementers.
 11. Attempt to establish circulation to surface w/ FW. If circulation rate can be established, cement operations go til cement is circulated to surface (approx.. 120 sx volume)(open top tank). If circulation cannot be established, prepare to set CICR at 555', and cement with 75 sx (65 sx in, 10 sx on top). Then go to step 12.
 12. Perf at 90' (2 shot). RD wireline unit. Rig up cement equipment. Hook up and circulate cement to surface. Rig down BOP and rig, Bolt wellhead back on. Wait for cement to cure at a minimum of 24 hrs, then cut off surface and prod. Casing at least 5' below the ground level. May need to top off cement in casing. Weld steel ID plate on top with Well File # and date on it.
 13. Dig up and pull out dead men.
 14. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the

plugging operations.

- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

Beckedahl #D-2
NE SW 35-164-85
Renville County, ND
Well File No. 12572
Sherwood Field

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 453',
5 1/2" intermediate casing @ 4247',
Gross Perfs – 4144-4154'.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Do One Call. Notify Field Inspector at least 24 hrs prior to commencing work (Scott Dihle #701-720-5660). Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead.
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO and LD BHA.
- 5. Trip in hole with tubing and bit and scraper for 5-1/2" casing to 4144' (Top perf @ 4144'). Trip out of hole with tubing, bit, and scraper.

6. Trip in hole with tubing and CICR. Set CICR +/- 4094' (50' above perfs). Pressure test casing to 1000 psi. Circulate with clean heavy fluid (10# SW). TOH. Rig up wireline unit. Run CBL to determine TOC. Procedure may be subject to change, depending on the results of the CBL. CIBP's will be required approx.. 50' below all squeeze perfs and directly below balanced plugs.
 7. Trip in hole w/ stinger. Rig up cement equipment. Establish injection rate. Mix 100 sks Class G cement. Squeeze 90 sks into formation and leave 10 sks on CICR. Rig down cement equipment. Trip out.
 8. MIRU wireline unit. If casing fails pressure test, set CIBP @ 2618'. Perf (4 shot) @ 2568' (top of Mowry @ 2518'). RD wireline. TIH with workstring and CICR. Set CICR @ 2468' on tubing. Rig up Cementers. Establish injection rate. Mix 100 sx Class G. Squeeze 90 sx in, and dump 10 sx on top of CICR. Rig down Cementers. TOH.
 9. MIRU wireline unit. If casing fails, pressure test, set CIBP @ 580'. Perf Pierre @ 530' (4 shot) (Top of Pierre is 480'). RD Wireline unit.
 10. Attempt to establish circulation to surface w/ FW. If circulation rate can be established, cement operations go til cement is circulated to surface (open top tank). If circulation cannot be established, prepare to set CICR at 430', and cement with 75 sx (65 sx in, 10 sx on top). Then go to step 11.
 11. Perf at 90' (2 shot). RD wireline unit. Rig up cement equipment. Hook up and circulate cement to surface. Rig down BOP and rig, Bolt wellhead back on. Wait for cement to cure at a minimum of 24 hrs, then cut off surface and prod. Casing at least 5' below the ground level. May need to top off cement in casing. Weld steel ID plate on top with Well File # and date on it.
 12. Dig up and pull out dead men.
 13. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be

necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

E-M Alexander #17-8
SE NE 17-160-86
Renville County, ND
Well File No. 13148
Culver Field

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 608',
5 1/2" intermediate casing @ 5694',
Gross Perfs – 5489-5544'.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Do One Call. Notify Field Inspector at least 24 hrs prior to commencing work (Scott Dihle #701-720-5660). Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead.
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO H and LD BHA.
- 5. Trip in hole with tubing and bit and scraper for 5-1/2" casing to 5489' (Top perf @ 5489'). Trip out of hole with tubing, bit, and scraper.

6. Trip in hole with tubing and CICR. Set CICR +/- 5439' (50' above perfs). Pressure test casing to 1000 psi. Circulate with clean heavy fluid (10# SW). TOH. Rig up wireline unit. Run CBL to determine TOC. Procedure may be subject to change, depending on the results of the CBL. CIBP's will be required approx.. 50' below all squeeze perfs and directly below balanced plugs.
 7. Trip in hole w/ stinger. Rig up cement equipment. Establish injection rate. Mix 100 sks Class G cement. Squeeze 90 sks into formation and leave 10 sks on CICR. Rig down cement equipment. Trip out.
 8. MIRU wireline unit. If casing fails pressure test, set CIBP @ 3511'. Perf (4 shot) @ 3411' (top of Mowry @3361'). RD wireline. TIH with workstring and CICR. Set CICR @ 3311' on tubing. Rig up Cementers. Establish injection rate. Mix 100 sx Class G. Squeeze 90 swx in, and dump 10 sx on top of CICR. Rig down Cementers. TOH.
 9. MIRU wireline unit. If casing fails, pressure test, set CIBP @ 1273'. Perf Pierre @ 1173' (4 shot) (Top of Pierre is 1123'). RD Wireline unit.
 10. TIH w/ workstring and CICR. Set CICR @ 1073'. Rig up Cementers. Establish injection rate. Mix 100 sx Class G cement. Squeeze 90 sx in and dump 10 sx on top of CICR. TOH w/ stinger. Surface casing and Prod. Casing must be opened and plumbed into return tank during cementing ops.
 11. MIRU Wireline unit. If casing fails press. Test, set CIBP @ 758'. Perf for shoe plug@ 658' (4 shot) (SC at 608'). RD Wireline unit. Attempt to establish circulation to surface w/ FW. If circulation rate can be established, cement operations go til cement is circulated to surface (open top tank) (cement volume approx.. 120 sx). If circulation cannot be established, prepare to set CICR at 558', and cement with 75 sx (65 sx in, 10 sx on top). Then go to step 12.
 12. Perf at 90' (2 shot). RD wireline unit. Rig up cement equipment. Hook up and circulate cement to surface. Rig down BOP and rig, Bolt wellhead back on. Wait for cement to cure at a minimum of 24 hrs, then cut off surface and prod. Casing at least 5' below the ground level. May need to top off cement in casing. Weld steel ID plate on top with Well File # and date on it.
 13. Dig up and pull out dead men.
 14. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the

plugging operations.

- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

Koehler #32-23 2
SW NE 23-162-81
Bottineau County, ND
Well File No. 13299
Stinson Field

INTRODUCTION

The objective of this project is to plug the above referenced well in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 389'
5 1/2" casing @ 3,696'
Top Perfs @ 3,597'

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8ppg.

- 1. Contact one call. Notify NDIC field inspector Scott Ladner (701-720-3356) 24hrs prior to starting .
- 2. Test dead men anchors, MIRU, make sure well is dead, unflange wellhead, NU BOPs. TOH laydown pump and rods.
- 3. Dig out surface casing valve and bleed off.
- 4. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 5. ND WH and NU BOP. Release TAC and TOO H and LD BHA.

6. TIH with tubing and bit & scraper for 5 1/2" casing to 3605' (Top perms @ 3,597'). TOH with bit & scraper.
 7. TIH with tubing and CICR. Set CICR +/- 3547'. Pressure test casing to 1000 psi for 15 minutes. Circulate hole with clean heavy salt water
 8. RU cement equipment. Establish injection rate. Mix 100sks Class G cement. Squeeze 90sks into formation and leave 10sks on of CICR. RD cement equipment. Stand back work string to 2152' to prepare for Mowry plug.
 9. CBL dated 2-12-92, shows TOC approx.. 1090'. CIBP's will be required +/- 50 below all squeeze perforations and directly below all balanced plugs until successful pressure test in witnessed.
 10. If casing fails pressure test set CIBP @ 2152'. (Top of Mowry @ 2102').
 11. RU cement equipment. Balance 35 sx at 2152'. Rig down cement equipment. Stand back work string to 330' to prepare for surface shoe plug.
 12. If casing fails pressure test set CIBP @ 480'. Perf @ 430' (Pierre top @ 330' Surface casing set @ 389'). RU cement equipment. Establish circulation to surface. Mix Class G cement and circulate cement to surface.
 13. If circulation to surface cannot be established, set CICR @ 330'.
 14. RU cement equipment. Establish injection rate. Mix 50sks Class G cement. Squeeze 40sks into formation and sting out of CICR, dump 10 sx on top. RD cement equipment. TOH with work string to prepare for surface plug.
 15. Perf @ 90'.
 16. Mix 30sks Class G cement. Circulate to surface.
 17. Must wait minimum of 24 hrs to cut casing. Cut 8 5/8" casing off 6' below surface. Top off if needed.
 18. Dig up and pull out dead men.
 19. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.

- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

TRIPLETT 1-2
NE SE 2-159-86
Renville County, ND
Well File No. 13351
IVANHOE Field

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 510',
5 1/2" intermediate casing @ 5704',
Gross Perfs – 5503-5508'.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Do One Call. Notify Field Inspector at least 24 hrs prior to commencing work (Scott Dihle #701-720-5660). Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead.
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO and LD BHA.
- 5. Trip in hole with tubing and bit and scraper for 5-1/2" casing to 5503' (Top perf @ 5503'). Trip out of hole with tubing, bit, and scraper.

6. Trip in hole with tubing and CICR. Set CICR +/- 5453' (50' above perfs). Pressure test casing to 1000 psi. Circulate with clean heavy fluid (10# SW). TOH. Rig up wireline unit. Run CBL to determine TOC. Procedure may be subject to change, depending on the results of the CBL. CIBP's will be required approx. 50' below all squeeze perfs and directly below balanced plugs.
 7. RIH w/ stinger. Rig up cement equipment. Establish injection rate. Mix 100 sks Class G cement. Squeeze 90 sks into formation and leave 10 sks on CICR. Rig down cement equipment. Trip out.
 8. MIRU wireline unit. If casing fails pressure test, set CIBP @ 3430'. Depending on CBL. Perf (4 shot) @ 3330' (top of Mowry @3280'). RD wireline. TIH with work string and CICR. Set CICR @ 3230' on tubing. Rig up Cementers. Establish injection rate. Mix 100 sx Class G. Squeeze 90 sx in, and dump 10 sx on top of CICR. Rig down Cementers. TOH.
 9. MIRU wireline unit. If casing fails, pressure test, set CIBP @ 1300'. Perf Pierre @ 1200' (4 shot) (Top of Pierre is 1150'). RD Wireline unit.
 10. TIH w/ work string and CICR. Set CICR @ 1100'. Rig up Cementers. Establish injection rate. Mix 100 sx Class G cement. Squeeze 90 sx in and dump 10 sx on top of CICR. TOH w/ stinger. Surface casing and Prod. Casing must be opened and plumbed into return tank during cementing ops.
 11. MIRU Wireline unit. If casing fails press. Test, set CIBP @ 660'. Perf for shoe plug@ 560' (4 shot) (SC at 510'). RD Wireline unit. Attempt to establish circulation to surface w/ FW. If circulation rate can be established, cement operations until cement is circulated to surface (open top tank) (cement volume approx.. 165 sx). If circulation cannot be established, prepare to set CICR at 460', and cement with 75 sx (65 sx in, 10 sx on top). Then go to step 12.
 12. Perf at 90' (2 shot). RD wireline unit. Rig up cement equipment. Hook up and circulate cement to surface, (cement volume approx. 30 sx). Rig down BOP and rig, Bolt wellhead back on. Wait for cement to cure at a minimum of 24 hrs, cut off surface and prod. Casing at least 5' below the ground level. Weld steel ID plate on top with Well File # and date on it.
 13. Dig up and pull out dead men.
 14. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.

- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

SCHLAK 2
SE NE 30-160-86
Renville County, ND
Well File No. 19783
NORMA Field

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 1100',
5 1/2" intermediate casing @ 5778',
Gross Perfs – 5624-5637'.
TOC 2634'.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Do One Call. Notify Field Inspector at least 24 hrs prior to commencing work (Scott Dihle #701-720-5660). Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead.
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO H and LD BHA.

5. Trip in hole with tubing and bit and scraper for 5-1/2" casing to 5624' (Top perf @ 5624'). Trip out of hole with tubing, bit, and scraper.
 6. Trip in hole with tubing and CICR. Set CICR +/- 5574' (50' above perfs). Pressure test casing to 1000 psi. Circulate with clean heavy fluid (10# SW). TOC is 2634 as per CBL. Procedure may be subject to change, depending on the results of the Pressure test. CIBP's will be required approx. 50' below all squeeze perfs and directly below balanced plugs.
 7. Rig up cement equipment. Establish injection rate. Mix 100 sks Class G cement. Squeeze 90 sks into formation and leave 10 sks on CICR. Rig down cement equipment. Trip out.
 8. If casing fails pressure test, set CIBP @ 3511' on work string (top of Mowry @ 3411'). If casing test passes then omit CIBP and Balance 250', 30 sx plug from 3511 (top of Mowry @ 3411'). Rig up Cementers. Break circulation. Mix 30 sx Class G. Balance on top of CIBP. Rig down Cementers. TOH.
 9. MIRU wireline unit. If casing fails, pressure test, set CIBP @ 1200'. If casing passed omit CIBP and Perf Pierre @ 1150' (4 shot) (Top of Pierre is 1100'). RD Wireline unit.
 10. TIH w/ work string and CICR. Set CICR @ 1050'. Rig up Cementers. Establish injection rate. Mix 100 sx Class G cement. Squeeze 90 sx in and dump 10 sx on top of CICR. TOH w/ stinger. Surface casing and Prod. Casing must be opened and plumbed into return tank during cementing ops.
 11. Perf at 90' (2 shot). RD wireline unit. Rig up cement equipment. Hook up and circulate cement to surface, (cement volume approx. 30 sx). Rig down BOP and rig, Bolt wellhead back on. Wait for cement to cure at a minimum of 24 hrs, cut off surface and prod. Casing at least 5' below the ground level. Weld steel ID plate on top with Well File # and date on it.
 12. Dig up and pull out dead men.
 13. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's

final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

LAURA FUNKE 4
NW SW 30-160-85
Renville County, ND
Well File No. 21720
SOUTH GREENE Field

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 998',
5 1/2" intermediate casing @ 5564',
CIBP @ 5372'. Perfs- 5230-5245'.
TOC 2634'.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Do One Call. Notify Field Inspector at least 24 hrs prior to commencing work (Scott Dihle #701-720-5660). Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead.
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO H and LD BHA.

5. Trip in hole with tubing and bit and scraper for 5-1/2" casing to tag CIBP @ 5372'. Trip out of hole with tubing, bit, and scraper. TIH w/ CICR to 5180'. Set CICR.
 6. Pressure test casing to 1000 psi. Circulate with clean heavy fluid (10# SW). TOC is 2539' as per CBL. Procedure may be subject to change, depending on the results of the Pressure test. CIBP's will be required approx. 50' below all squeeze perfs and directly below balanced plugs.
 7. Sting in. Rig up cement equipment. Break circulation. Mix 100 sks Class G cement. Squeeze 90 sx in, sting out, and dump 10 sx on top. Rig down cement equipment. Trip out.
 8. If casing fails pressure test, set CIBP @ 3273' on work string (top of Mowry @ 3123'). If casing test passes then omit CIBP and Balance 250', 30 sx plug from 3273'. Rig up Cementers. Break circulation. Mix 30 sx Class G. Balance on top of CIBP or from 3273'. Rig down Cementers. TOH.
 9. MIRU wireline unit. If casing fails, pressure test, set CIBP @ 1096'. If casing passed omit CIBP and Perf Pierre @ 996' (4 shot) (Top of Pierre is 946'). RD Wireline unit.
 10. TIH w/ work string and CICR. Set CICR @ 896'. Rig up Cementers. Establish injection rate. Mix 100 sx Class G cement. Squeeze 90 sx in and dump 10 sx on top of CICR. TOH w/ stinger. Surface casing and Prod. Casing must be opened and plumbed into return tank during cementing ops.
 11. Perf at 90' (2 shot). RD wireline unit. Rig up cement equipment. Hook up and circulate cement to surface, (cement volume approx. 30 sx). Rig down BOP and rig, Bolt wellhead back on. Wait for cement to cure at a minimum of 24 hrs, cut off surface and prod. Casing at least 5' below the ground level. Weld steel ID plate on top with Well File # and date on it.
 12. Dig up and pull out dead men.
 13. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's

final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

SCHLAK 3
NE NE 30-160-86
Renville County, ND
Well File No. 25472
NORMA Field

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 1235',
5 1/2" intermediate casing @ 5800',
Gross Perfs – 5575-5619'.
TOC 2919'.

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Do One Call. Notify Field Inspector at least 24 hrs prior to commencing work (Scott Dihle #701-720-5660). Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead.
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO H and LD BHA.

5. Trip in hole with tubing and bit and scraper for 5-1/2" casing to 5575' (Top perf @ 5575'). Trip out of hole with tubing, bit, and scraper.
 6. Trip in hole with tubing and CICR. Set CICR +/- 5525' (50' above perfs). Pressure test casing to 1000 psi. Circulate with clean heavy fluid (10# SW). TOC is 2919' as per CBL. Procedure may be subject to change, depending on the results of the Pressure test. CIBP's will be required approx. 50' below all squeeze perfs and directly below balanced plugs.
 7. Rig up cement equipment. Establish injection rate. Mix 100 sks Class G cement. Squeeze 90 sks into formation and leave 10 sks on CICR. Rig down cement equipment. Trip out.
 8. If casing failed pressure test, TIH and set CIBP @ 3549' on work string (top of Mowry @ 3399'). If casing passed pressure test omit CIBP and TIH open ended to 3549'. Rig up Cementers. Break circulation. Mix 30 sx Class G. Balance on top of CIBP or from 3549'. Rig down Cementers. TOH.
 9. MIRU wireline unit. If casing fails, pressure test, set CIBP @ 1200'. If casing passed omit CIBP and Perf Pierre @ 1150' (4 shot) (Top of Pierre is 1100'). RD Wireline unit.
 10. TIH w/ work string and CICR. Set CICR @ 1050'. Rig up Cementers. Establish injection rate. Mix 100 sx Class G cement. Squeeze 90 sx in and dump 10 sx on top of CICR. TOH w/ stinger. Surface casing and Prod. Casing must be opened and plumbed into return tank during cementing ops.
 11. Perf at 90' (2 shot). RD wireline unit. Rig up cement equipment. Hook up and circulate cement to surface, (cement volume approx. 30 sx). Rig down BOP and rig, Bolt wellhead back on. Wait for cement to cure at a minimum of 24 hrs, cut off surface and prod. Casing at least 5' below the ground level. Weld steel ID plate on top with Well File # and date on it.
 12. Dig up and pull out dead men.
 13. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's

final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

Kabanuck 1
NENE Sec.23-T159N-R82W
Bottineau County, ND
Well File No. 13333

INTRODUCTION

The objective of this project is to plug the above referenced well in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 463'
5 1/2" casing @ 4,600'
Top Perfs @ 4,505'

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8ppg.

- 1. Contact one call. Notify NDIC field inspector Scott Ladner (701-720-3356) 24hrs prior to starting .
- 2. Test dead men anchors, MIRU, make sure well is dead, unflange wellhead, NU BOPs. TOH laydown pump and rods.
- 3. Dig out surface casing valve and bleed off.
- 4. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 5. ND WH and NU BOP. Release TAC and TOOH and LD BHA.

6. TIH with tubing and bit & scraper for 4 1/2" casing to 4,560' (Top perfs @ 4,505'). TOH with bit & scraper.
 7. TIH with tubing and CICR. Set CICR +/- 4,455'. Pressure test casing to 1000 psi for 15 minutes. Circulate hole with clean heavy salt water.
 8. RU Wireline and run CBL. CIBP's will be required +/- 50 below all squeeze perforations and directly below all balanced plugs until successful pressure test in witnessed.
 9. RU cement equipment. Establish injection rate. Mix 100sks Class G cement. Squeeze 90sks into formation and leave 10sks on of CICR. RD cement equipment. Stand back work string to 2,540' to prepare for Mowry plug.
 10. If TOC is above the Mowry, balance 30sx @ +/- 2,540'. If casing test failed, set CIBP @ 2,540' & balance 30sx on top of the CIBP.
 11. RU cement equipment. Mix 30sks Class G cement. Spot balanced plug across the Mowry (Top @ 2,540'). RD cement equipment. Stand back work string to 711' to prepare for Pierre plug.
 12. If TOC is below the Mowry, a squeeze is required. If casing fails pressure test, set CIBP @ 2,490'. Perf @ 2,440'. Set CICR @ 2,340'. (Top of Mowry @ 2,390').
 13. RU cement equipment. Establish injection rate. Mix 100sks Class G cement. Squeeze 90sks into formation and leave 10sks on of CICR. RD cement equipment. Stand back work string to 711' to prepare for Pierre plug.
 14. If casing fails pressure test set CIBP @ 711'. Perf @ 661' (Pierre top @ 611'). RU cement equipment. Establish circulation to surface. Mix 210sx Class G cement and circulate cement to surface.
 15. If circulation to surface cannot be established, set CICR @ 413'.
 16. RU cement equipment. Establish injection rate. Mix 150sks Class G cement. Squeeze 140sks into formation and leave 10sks on of CICR. RD cement equipment. TOH with work string to prepare for surface plug.
 17. Perf @ 90'.
 18. Mix 30sks Class G cement. Circulate to surface.
 19. Must wait minimum of 24 hrs to cut casing. Cut 8 5/8" casing off 6' below surface. Top off if needed.
 20. Dig up and pull out dead men.
 21. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the

Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.

- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

Nangchen 155-86-11 HS1
SE SE Sec.11-T155N-R86W
Ward County, ND
Well File No. 29241

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

9 5/8" surface casing @ 1782',
7" intermediate casing @ 6755',
4 1/2" Production Liner @ 5907-11000'

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead, NU BOPs. TOH laydown pump and rods
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO H and LD BHA.
- 5. Trip in hole with tubing and bit and scraper for 7" casing to the top of the 4.5" liner @ 5907' Trip out of hole with tubing, bit, and scraper.

6. Trip in hole with tubing and CIBP. Set CIBP +/- 5857'. Pressure test casing to 1000 psi. Circulate with clean heavy fluid.
 7. Rig up cement equipment. Mix 45 sks class G cement. Balance 45 sks on top of CIBP. Rig down cement equipment. TOH workstring to 3880'.
 8. CBL dated 9/14/2014 has determined the TOC is @ 2550'. CIBP's will be required +/- 50 below all squeeze perforations and directly below all balanced plugs until successful pressure test is witnessed.
 9. If casing fails pressure test set CIBP @ 3880'. Prepare to set Mowry balanced plug @ 3880'.
 10. Rig up cement equipment. Mix 45 sks Class G cement. Spot balanced plug across Mowry (3880-3630') Rig down cement equipment. Trip out of hole with workstring and stand +/- 1732' to prepare for Pierre squeeze.
 11. If casing fails pressure test, RU WL and set CIBP @ 1932', perf @ 1832', and set CICR @ +/- 1732'.
 12. RU cement and establish injection rate. Pump 90 sks of Class G cement through CICR and spot 10 sks on top CICR. TOH workstring.
 13. RU WL and perf @ 90'.
 14. RU cement and establish circulation to surface. Pump 35 sks of cement until cement is seen at surface.
 15. Rig down BOP and rig, Bolt wellhead back on.
 16. Wait at least 24 hrs after cementing to cut and cap. Cut casing at least 4' below plow depth and weld on ID cap with well file number and date.
 17. File Form 7 with NDIC.
 18. Dig up and pull out dead men.
 19. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.

- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

NWMU A-11H
SE NW Sec.36-T164N-R80W
Bottineau County, ND
Well File No. 20673

INTRODUCTION

The objective of this project is to plug the above referenced well in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

9 5/8" surface casing @ 534'
7" intermediate casing @ 3704'
KOP @ 2619'

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8ppg.

- 1. Call one call. Notify NDIC inspector Scott Ladner (701-720-3356) 24hrs prior to starting.
- 2. Test dead men anchors, MIRU, make sure well is dead, unflange wellhead, NU BOPs. TOH laydown pump and rods.
- 3. Dig out surface casing valve and bleed off.
- 4. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 5. ND WH and NU BOP. Release TAC and TOOH and LD BHA.

6. TIH with tubing and bit & scraper for 7" casing to 2650' (KOP @ 2619'). TOH with tubing and bit & scraper.
 7. TIH with tubing and CIBP. Set CIBP +/- 2600'. Pressure test casing to 1000 psi for 15 minutes. Circulate with clean heavy salt water.
 8. RU cement equipment. Mix 50sks Class G cement. Balance 50sks on top of CIBP. RD cement equipment. Stand back work string to 1994' to prepare for Mowry squeeze.
 9. CBL dated 7/7/2011 determined TOC @ 2,190'. CIBP's will be required +/- 50 below all squeeze perforations and directly below all balanced plugs until successful pressure test is witnessed.
 10. If casing fails pressure test set CIBP @ 1,994'. Perf @ 1,944'. Set CICR @ 1,844'. (Top of Mowry @ 1,894').
 11. RU cement equipment. Establish injection rate. Mix 100sks Class G cement. Squeeze 90sks into formation and leave 10sks on of CICR. Rig down cement equipment. Stand back work string to 634' to prepare for surface shoe plug.
 12. If casing fails pressure test set CIBP @ 634'. Perf @ 584'. Set CICR @ 484'. (Surface shoe @ 534').
 13. RU cement equipment. Establish injection rate. Try to get circulation to surface valves, with FW. If circulation achieved, pump cement to surface, Sting out, and fill casing to surface. If not, mix 100sks Class G cement. Squeeze 90sks into formation and leave 10sks on of CICR. Rig down cement equipment. TOH with work string to prepare for surface plug.
 14. Perf @ 90'.
 15. Mix 50sks Class G cement. Circulate to surface.
 16. Must wait minimum of 24 hrs to cut casing. Cut 7" casing off 6' below surface. Top off if needed.
 17. Dig up and pull out dead men.
 18. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.
- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.

- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

Roger Kersten Estate 1
SESE Sec.4-T160N-R79W
Bottineau County, ND
Well File No. 3512

INTRODUCTION

The objective of this project is to plug the above referenced well in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

7 5/8" surface casing @ 198'
4 1/2" casing @ 3,481'
Top Perfs @ 3,388'

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8ppg.

- 1. Contact one call. Notify NDIC field inspector Scott Ladner (701-720-3356) 24hrs prior to starting .
- 2. Test dead men anchors, MIRU, make sure well is dead, unflange wellhead, NU BOPs. TOH laydown pump and rods.
- 3. Dig out surface casing valve and bleed off.
- 4. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 5. ND WH and NU BOP. Release TAC and TOO H and LD BHA.

6. TIH with tubing and bit & scraper for 4 1/2" casing to 3,450' (Top perfs @ 3,388'). TOH with bit & scraper.
 7. TIH with tubing and CICR. Set CICR +/- 3,338'. Pressure test casing to 1000 psi for 15 minutes. Circulate hole with clean heavy salt water.
 8. RU Wireline and run CBL. No CBL on file. CIBP's will be required +/- 50 below all squeeze perforations and directly below all balanced plugs until successful pressure test is witnessed.
 9. RU cement equipment. Establish injection rate. Mix 100sks Class G cement. Squeeze 90sks into formation and leave 10sks on of CICR. RD cement equipment. Stand back work string to 2,142' to prepare for Mowry plug.
 10. If TOC is above the Mowry, balance 25sx @ +/- 2,142'. If casing test failed, set CIBP @ 2,142' & balance 25sx on top of the CIBP.
 11. RU cement equipment. Mix 25sks Class G cement. Spot balanced plug across the Mowry (Top @ 1,992'). RD cement equipment. Stand back work string to 400' to prepare for Pierre plug.
 12. If TOC is below the Mowry, a squeeze is required. If casing fails pressure test, set CIBP @ 2,092'. Perf @ 2,042'. Set CICR @ 1,942'. (Top of Mowry @ 1,992').
 13. RU cement equipment. Establish injection rate. Mix 100sks Class G cement. Squeeze 90sks into formation and leave 10sks on of CICR. RD cement equipment. Stand back work string to 400' to prepare for Pierre plug.
 14. If casing fails pressure test set CIBP @ 360'. Perf @ 310' (Pierre top @ 260'). RU cement equipment. Establish circulation to surface. Mix 100sx Class G cement and circulate cement to surface.
 15. If circulation to surface cannot be established, set CICR @ 160'.
 16. RU cement equipment. Establish injection rate. Mix 50sks Class G cement. Squeeze 40sks into formation and leave 5sks on of CICR. RD cement equipment. TOH with work string to prepare for surface plug.
 17. Perf @ 90'.
 18. Mix 30sks Class G cement. Circulate to surface.
 19. Must wait minimum of 24 hrs to cut casing. Cut 7 5/8" casing off 6' below surface. Top off if needed.
 20. Dig up and pull out dead men.
 21. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the

Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.

- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.

PLUGGING SPECIFICATIONS

SUBJECT WELL

Sundsbak 1-14
NE NE Sec.14-T153N-R84W
Ward County, ND
Well File No. 12491

INTRODUCTION

The objective of this project is to plug the above referenced well, in compliance with requirements of Chapter 43-02-03 of the North Dakota Administrative Code.

WELL DATA

8 5/8" surface casing @ 652',
5 1/2" intermediate casing @ 6285',
Gross Perfs – 6188'-6198'

SPECIFICATIONS

- A. The contractor must be prepared to, and shall, control any blow/flow from the well in order to minimize surface damage and to limit liabilities.
- B. Contractor shall arrange for all tools, equipment, products, fluids and any other items required to properly plug this well. Contractor is responsible for disposal of all fluids.
- C. Once plugging procedures begin, these specifications are subject to change with approval of the NDIC Oil & Gas Division field inspector if down-hole conditions warrant.

D. Plugging Procedure:

Note: All cement must be API class G or Premium, 15.8 ppg.

- 1. Test deadmen anchors, MIRU, make sure well is dead, unflange wellhead, NU BOPs. TOH laydown pump and rods
- 2. Dig out surface casing valve and bleed off.
- 3. Bleed off tubing and casing to hot oil truck. Unseat pump and POOH w/ pump and rods.
- 4. ND WH and NU BOP. Release TAC and TOO H and LD BHA.
- 5. Trip in hole with tubing and bit and scraper for 5-1/2" casing to 6208' (Top perf @ 6188'). Trip out of hole with tubing, bit, and scraper.

6. Trip in hole with tubing and CICR. Set CICR +/- 6138'. Pressure test casing to 1000 psi. Circulate with clean heavy fluid.
 7. Rig up cement equipment. Establish injection rate. Mix 90 sks Class G cement. Squeeze 90 sks into formation and leave 10 sks on CICR. Rig down cement equipment. TOH workstring to +/- 3711' to prepare for Mowry balance plug if casing passed pressure test.
 8. CBL dated 6/1990 determined TOC @ 3018'. CIBP's will be required +/- 50 below all squeeze perforations and directly below all balanced plugs until successful pressure test is witnessed.
 9. If casing fails pressure test set CIBP @ 3711'. Prepare to set Mowry balanced plug @ 3711'.
 10. Rig up cement equipment. Mix 35 sks Class G cement. Spot balanced plug across Mowry (3711-3417') Rig down cement equipment. Trip out of hole with workstring and stand +/- 1416' to prepare for Pierre squeeze.
 11. If casing fails pressure test, RU WL and set CIBP @ 1566', perf @ 1516', and set CICR @ +/- 1416'.
 12. RU cement and establish injection rate. Pump 65 sks of Class G cement through CICR and spot 10 sks on top CICR. TOH workstring
 13. RU WL and set CIBP @ 752', perf @ 702'. Try to establish circulation to surface. If circulation is established pump 110sks of cement until cement is seen at surface. If circulation isn't established set CICR @ +/- 602'.
 14. RU cement and establish injection rate. Pump 65 sks class G cement through CICR and spot 10 sks on top CICR. TOH workstring.
 15. RU WL and perf @ 90' if circulation was not previously established.
 16. RU cement and establish circulation to surface. Pump 35 sks of cement until cement is seen at surface.
 17. Rig down BOP and rig, Bolt wellhead back on.
 18. Wait at least 24 hrs after cementing to cut and cap. Cut casing at least 4' below plow depth and weld on ID cap with well file number and date.
 19. File Form 7 with NDIC.
 20. Dig up and pull out dead men.
 21. File form 7 plugging report upon completion of plugging.
- E. Certain information from NDIC files concerning the well is represented in the WELL DATA paragraph. The information represents, to the best of the

Commission's knowledge, the well bore and well site conditions of the well to be plugged. Actual conditions may be different. The complete well file may be examined at the Bismarck office of the NDIC Oil & Gas Division, 1016 East Calgary Avenue, Bismarck, ND.

- F. Contractor shall notify the Commission 48 hours before commencing the plugging operations.
- G. Contractor guarantees, against defects and workmanship, all work performed under the contract for a period of one year from the date of the Commission's final acceptance of the plugging. Contractor shall bear the entire cost and expense of all repairs that may, from any imperfection in work or material, be necessary within that time. Contractor shall not be liable for equipment, material, or workmanship supplied by the Commission.