

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

S

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator

NORDSTRAND ENGINEERING, INC.

3a. Address

415 W. Wall St. Suite 1900, Midland, TX 79701

3b. Phone No (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980 F S L - 1650 FWL
Sec. K T 16 S R 30 E

MAR 12 2008

OCD-ARTESIA

5. Lease Serial No

LC 069465

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

W. HENSHAW PREMIER UNIT

8. Well Name and No.

W. Henshaw Premier

Unit TR 5 #4

9. API Well No.

30-015-03833

10. Field and Pool, or Exploratory Area

WEST HENSHAW GRAY BURG

11. County or Parish, State

EDDY

NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|-----------------------------------------------|------------------------------------------------------|----------------------------------------------------|-----------------------------------------|
| <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Alter Casing | <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Change Plans | <input checked="" type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompletable horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

1. Set B.P. @2,753'. Mud log hole. Spot 35 sx. cmt. Cap B.P. T.O.C. Calculate 2,553'.

2. 2,200'. Spot 60 sx. cmt. T.O.C. Calculate 2,900'.

3. Perf. 1,450' Spot 60 sx. cmt. W.O.C. & tag @1,900'.

4. Perf. 488' Spot 160 sx. W.O.C. & tag 200'.

5. Perf. 60' Spot 60 sx. cmt. - surface 7" @ 10 3/4" - surface.

APPROVED

MAR 8 2008

JAMES A. AMOS
SUPERVISOR-EPSAccepted for record
NMOC14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

RANDALL MINEAR

Title

AGENT

Signature

Date

2-26-08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

05/14/2007 17:14 IFAX fax@claytonwilliams.com

→ Howard, Dawn

005/007

04/23/2007 14:41 5853930720

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PLUGGING & ABANDONMENT WORKSHEET

(2 STRING CSNG)

OPERATOR

LEASENAME

WELL

SECT

TWN

RNG

FROM

N/S/L

E/W/L

TD:

FORMATION @ TD

PBTD:

FORMATION @ PBTD

PERF 6P
6P SAKS
SURFACE

200' TO

103 1/4

50 SAKS
TOC 200'382 60 SAKS
CZ 1450 TO
1300' TABTOL
2000'
TOC 35 SAKS
B.P. 2753'

2853'

200
TOC 2053'

TD

	SIZE	SET @	TOC	TOC DETERMINED BY
SURFACE				
INTMED 1				
INTMED 2				
PROD				
	SIZE	TOP	BOT	TOC DETERMINED BY
LINER 1				
LINER 2				
	CUT & PULL @		TOP - BOTTOM	
INTMED 1			FEET	-
INTMED 2			FEET	-
PROD				

REQUIRED PLUGS DETAIL

PLUG	TYPE	SAKS	DEPTH
PLUG 1	OH	25 SAKS	6400'
PLUG 2	SNCE	30 SAKS	11501-1450'
PLUG 3	CIRPALS		4400'
PLUG 4	CIRP	25 SAKS	4800'
PLUG 5	STUB	30 SAKS	8000-1700'
PLUG 6	REINFORCED	200 SAKS	400'
PLUG 7	FLY	10 SAKS	0-10'
PLUG 8			
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PLUGGING & ABANDONMENT WORKSHEET

(2 STRING CSNG)

OPERATOR

NORSTAND

LEASENAME

W-HEW'S HAW PREMIER ST-YR.5

WELL #

4

SECT

TWN

RNG

FROM

N/S L

E/W L

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FORMATION @ TD

PBTD:

FORMATION @ PBTD

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REQUIRED PLUGS DEPTCT

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FLUG 2	DRCE	20 SCS	1200-1400'
FLUG 3	CIRPCT		400'
FLUG 4	CIP	25 SCS	400'
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Nordstrand Engineering Inc.
NMLC069465; W. Henshaw Tr 5-4
1980' FSL & 1650' FWL
Section 3, T. 16 S., R. 30 E.
Eddy County, New Mexico

RE: Plugging and Abandonment, Conditions of Approval

Step 1 is OK as is

Step 2 perforate at 2200' and attempt to squeeze. If not able, spot a 25 sack balanced plug to cover the Queen formation @ 2156' (2200'-2080'). If able to squeeze, set plug in/out of the 7" casing from 2200'-2080', WOC and tag no lower than 2080'.

Step 3 perforate at 1202', squeeze 60 sacks cement, WOC and tag no lower than 1102'. This covers the base of the salt at 1152'.

Step 4 is OK as is, WOC and tag no lower than 355'. This covers the casing shoe and the top of the salt.

Step 5 is OK as is.

If you have any questions, please contact Jim Amos at 505-234-5909.

J. Amos, 3/8/08

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

2. **Notification:** Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. **Blowout Preventers:** A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. **Mud Requirement:** Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. **Cement Requirement:** Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. **Dry Hole Marker:** All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).

7. **Subsequent Plugging Reporting:** Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. **Trash:** All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.