

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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.

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator Vanguard Operating, LLC		8. Well Name and No. Mildred XD Federal # 1
3a. Address 5847 San Felipe St., Ste. 3000, Houston, TX 77057	3b. Phone No. (include area code)	9. API Well No. 30-005-61984
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 330' FNL & 3801' FEL A-S33 - T07S - R23E		10. Field and Pool or Exploratory Area Pecos Slope : ABO
		11. Country or Parish, State Chavez County New Mexico

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

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<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 recompleting 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleting in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

1. Notify BLM 24 hrs prior to MIRU P&A equip.
2. Set CIBP @ 2745' RIH w/tbg tag CIBP circ hole w/MLF, test csg, spot 20 sx's cmt F/2745'-2645' woc & tag.
3. Perf @ 1150' sqz 75 sx's 1150' - 1000' (Glorieta, 10 3/4" Shoe) woc & tag.
4. Perf @ 200' circ cmt to surf via 4 1/2" & 4 1/2" x 10 3/4" csg annulus woc verify cmt @ surf on all strings.
5. RD P&A equip, cut off wellheads, install dry hole marker per BLM requirements, clean location, move off

SC 4-9-18
Accepted for record - NMOCD

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 06 2018

RECEIVED

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED
2018 APR -2 A 8:00
BUREAU OF LAND MANAGEMENT
ROSOWELL OFFICE

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Jimmy Bagley		Title Agent
Signature		Date 03/29/2018

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		

APPROVED
APR 3 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

LEASE/WELL: MILDRED XD FEDERAL #1
 LOCATION 330' FNL & 3801' FEL
 A-SEC 33-T07S-R23E
 CO/ST: CHAVES COUNTY, NEW MEXICO
 FIELD: PECOS SLOPE; ABO
 API NO. 30-005-61984

GR 3835
 SPUDDED 4/24/1983
 COMPLETED 5/15/1983
 LAT 33.6710548
 LONG -104.612686
 FORMATION TOPS PER C-105
 SAN ANDRES SURFACE
 GLORIETA 1008
 ABO 2757

INCLINATION SURVEY DATA
 MD (ft) Inclination (deg)
 398 0.25
 755 0.25
 1112 0.5
 1610 .5
 2100 0.5
 2575 0.75
 3023 0.5
 3450 0.75

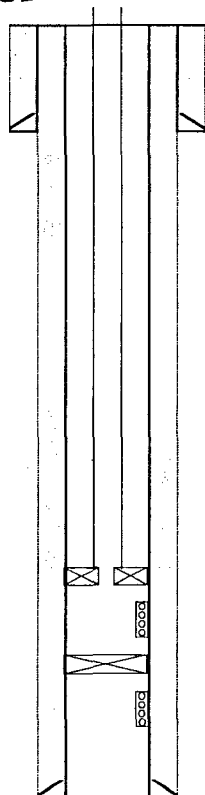
BEFORE P&A

14-3/4" HOLE

10-3/4" 40.5# J-55
 CMT W/ 825 SX.

7-7/8" HOLE

4-1/2" 9.5# J-55
 CMT W/ 480 SX.



ORIGINAL TOC @ 600' BY TS. CMT W/ 450 SX W/ 1" CIRC.

1,100'

RUN 1,500' OF 1" CMT TO SURF W/ 300 SX.

TOC @ 2,108'

2-3/8" J-55 TBG W/ R-4 PKR @ 2,762'

ABO PERFS: 2,795-2,816' (12 HOLES)

RBP @ 2,866'

ABO PERFS: 2,911-2,942' (7 HOLES)
 -SWABBED DRY

3,450'

PBTD: 3,410'
 TD: 3,450'

KDZ 03-28-2018

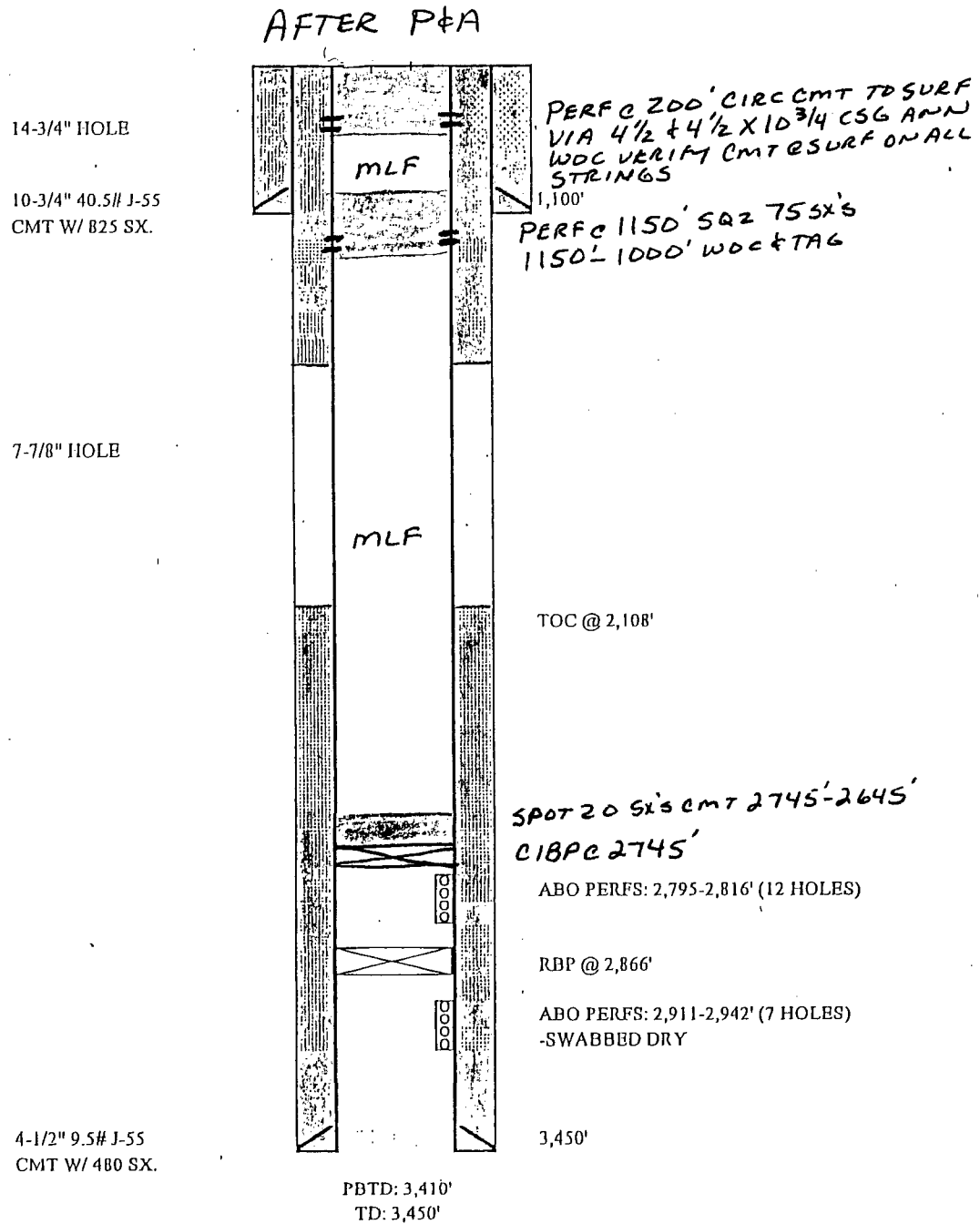
LEASE/WELL: MILDRED XD FEDERAL #1

LOCATION 330' FNL & 3801' FEL
A-SEC 33-T07S-R23E

CO/ST: CHAVES COUNTY, NEW MEXICO

FIELD: PECOS SLOPE; ABO

API NO. 30-005-61984



**Mildred XD Federal 1
30-005-61984
Vanguard Operating, LLC
April 3, 2018
Conditions of Approval**

- 1. Operator shall place CIBP 50'-100' above top most perf and place 25 sx of Class C cement on top to seal the Abo Formation. WOC and TAG.**
- 2. Operator shall perf at 1,150' and squeeze cement. Operator shall place a Class C cement plug from 1,150'-1,000' to seal the Glorietta Formation and the shoe. WOC and TAG.**
- 3. Operator shall perf and squeeze at 400'. Operator shall place a Class C cement plug from 400' to surface as proposed to ensure the lost circulation zone is sealed adequately.**
- 4. See Attached for general plugging stipulations.**

JAM 040318

BUREAU OF LAND MANAGEMENT

Roswell Field Office

2909 West Second Street

Roswell, New Mexico 88201

(575) 627-0272

**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 the BLM Roswell Field Office (RFO), prior to the 90th day, with the reason for not meeting the deadline and a date when the BLM Roswell Field Office can expect the well to be plugged. Failure to do so will result in enforcement action. Unless the well has been properly plugged, the rig shall not be removed from over the hole without prior approval.**

2. Notification: Contact the BLM Roswell Field Office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, during office hours or after office hours call (575) 627-0205. Engineer on call during office hours phone (575) 627-0275 or phone (after hours) call (575) 626-5749.

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 9090 feet; a 3M system for a well not deeper than 13636 feet; and a 5M system for a well not deeper than 22727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at a 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 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 cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 50 feet 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 class "C" for up to 7500 feet of depth, mixed at 14.8 lbs./gal with 6.3 gallons of fresh water per sack or class "H" for deeper than 7500 feet plugs, mixed at 16.4 lbs./gal with 4.3 gallons of fresh water per sack.

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 the ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the 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 the BLM Roswell Field Office. 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.**

Following the submittal and approval of the Subsequent Report of Abandonment, a Notice of Intent for Final Abandonment with the proposed surface restoration procedure must be submitted for approval.