

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.**

5. Lease Serial No.	NM-36651
6. If Indian, Allottee or Tribe Name	

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. Cindy Federal #1
3a. Address 5847 San Felipe St., Ste. 3000, Houston, TX 77057	9. API Well No. 30-005-61063
3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area Pecos Slope; ABO, West
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) UL G Sec. 24 T: 8S R: 22E	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 recomple 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 recomple 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 @ 2604' tag CIBP w/tbg circ hole w/MLF, test csg & CIBP.
3. Spot 25 sx's cmt @ 2604'-2504' WOC & Tag.
4. Spot 25 sx's cmt @ 2004'-1994' (TUBB) 1284'
5. Spot 25 sx's cmt @ 1467'-1367' WOC & Tag.
6. Spot 25 sx's cmt @ 510'-410'.
7. Spot 35 sx's cmt @ 336'-surf.
8. RD cut off wellhead/anchors, install dry hole marker, move off.

SEE ATTACHED FOR  
CONDITIONS OF APPROVAL

RECEIVED

APR 12 2019

GC 4/15/19  
Accepted for record - NMOCD

DISTRICT II-ARTESIA O.C.D.

RECEIVED BLM-ROSWELL  
APR 15 2019

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Justin Bagley		Title Agent
Signature		Date 04/02/2019
APPROVED		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
APR 08 2019		
Approved by		Title BUREAU OF LAND MANAGEMENT
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 ROSWELL FIELD MANAGEMENT

Title 18 U.S.C. Section 1001 and Title 48 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: CINDY FEDERAL #1  
LOCATION 1,980' FNL & 1,980' FEL  
G-SEC 24-T08S-R22E  
CO/ST: CHAVES COUNTY, NEW MEXICO  
FIELD: PECOS SLOPE, ABO, WEST  
API NO. 30-005-61063

GR 3951  
SPUDED 9/2/1981 MESA PETROLEUM CORP  
COMPLETED 10/2/1981  
LAT 33.6079941  
LONG -104.671425  
FORMATION TOPS PER C-105  
GLORIETA 286  
YESO 460  
TUBB 1954  
ABO 2622

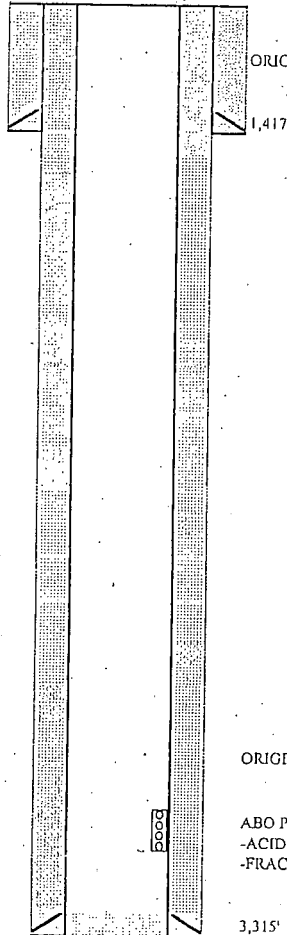
BEFORE P4A

12-1/4" HOLE

8-5/8" 24# K-55  
CMT W/ 1,550 SX. CIRC.

7-7/8" HOLE

4-1/2" 10.5# K-55  
CMT W/ 1,000 SX. CIRC.



ORIGINAL 8-5/8" TOC @ 470' BY TS. SET 2 PLUGS (TOTAL 250 SX) TO CIRC TO SURFACE

ORIGINAL TBG RECORD: 2-3/8" TBG LANDED @ 2,550'

ABO PERFS: 2,654-2,762' (22 HOLES)  
-ACIDIZE W/ 2,500 GALS 7.5% HCL  
-FRAC W/ 24,200 GALS GELLED 2% KCL, 12,100 GALS CO2, 9,000# 100 MESH & 102,000# 20/40

3,315'

PBTD: 3,260'  
TD: 3,315'

KDZ 03-29-2019

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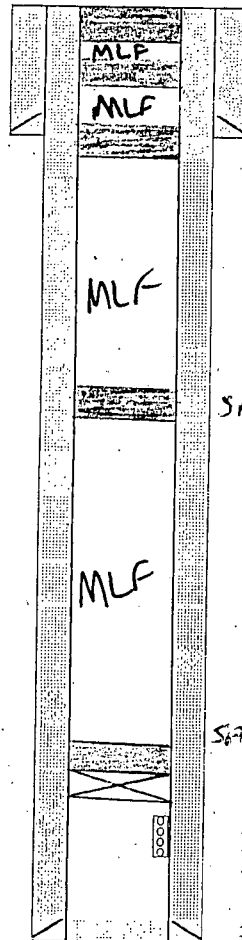
AFTER P&A

12-1/4" HOLE  
 8-5/8" 24# K-55  
 CMT W/ 1,550 SX. CIRC.

7-7/8" HOLE

CIBP@ 2604

4-1/2" 10.5# K-55  
 CMT W/ 1,000 SX. CIRC.



SPOT 35 SX CMT @ 336-500  
 ORIGINAL 8-5/8" TOC @ 470' BY TS. SET 2 PLUGS (TOTAL 250 SX) TO CIRC TO SURFACE.  
 SPOT 25 SX CMT @ 510-410  
 1,417'  
 SPOT 25 SX CMT @ 1467-1367

SPOT 25 SX CMT @ 2004-1404

SPOT 25 SX CMT @ 2404-2504 HRC/TTC  
 ORIGINAL TBG RECORD: 2-3/8" TBG LANDED @ 2,550'

ABO PERFS: 2,654-2,762' (22 HOLES)  
 -ACIDIZE W/ 2,500 GALS 7.5% HCL  
 -FRAC W/ 24,200 GALS GELLED 2% KCL, 12,100 GALS CO2, 9,000# 100 MESH & 102,000# 20/40

3,315'

PBTD: 3,260'  
 TD: 3,315'

KDZ 03-29-2019

**Cindy Federal 1  
30-005-61063  
Vanguard Operating, LLC  
April 8, 2019  
Conditions of Approval**

- 1. Operator shall place CIBP at 2,604' (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 place a Class C cement plug from 2,004'-1,884' as proposed.**
- 3. Operator shall place a Class C cement plug from 1,467'-1,367' as proposed to seal the 8-5/8" shoe. WOC and TAG.**
- 4. Operator shall place a Class C cement plug from 510'-410' as proposed.**
- 5. Operator shall place a Class C cement plug from 336'-surface as proposed to seal the Glorieta.**
- 6. See Attached for general plugging stipulations.**

**JAM 040819**

**BUREAU OF LAND MANAGEMENT**  
**Roswell Field Office**  
**2909 W. Second Street**  
**Roswell, New Mexico 88201**  
**575-627-0272**

**General Requirements for Plug Backs**

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 this approval.

**If you are unable to plug back the well by the 90<sup>th</sup> day provide this office, prior to the 90<sup>th</sup> day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged back. 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 plug back operations. Call 575-627-0205.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. 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 brine 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. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement.

**Before pumping cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.**

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. Subsequent Plug back Reporting: Within 30 days after plug back work is completed, file one original and three copies of the Subsequent Report, Form 3160-5 to BLM. The report should give in detail the manner in which the plug back 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 work was completed.

7. 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.