

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

MAR 26 2009

FORM APPROVED
OMB NO 1004-0135
Expires January 31 2004

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 reverse side

1 Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5 Lease Serial No LC-028784-A
2 Name of Operator CIMAREX ENERGY CO. OF COLORADO ATTN: ZENO FARRIS	6 If Indian, Allottee or Tribe Name
3a Address 5215 N. O'CONNOR BLVD., STE. 1500, IRVING, TX 75039	7 If Unit or CA/Agreement, Name and/or No
3b Phone No. (include area code) 972.443.6489	8 Well Name and No GRAYBURG DEEP UNIT #18
4 Location of Well (Footage, Sec., T., R., M., or Survey Description) LETTER A 690' FNL & 950' FEL SECTION 24, T-17S, R-29E	9 API Well No. 30-015-34905
	10 Field and Pool, or Exploratory Area HEAR GRASS DRAW; ABO
	11 County or Parish, State EDDY NM

12. CHECK 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 recompleat 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 recompleat 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.)

COMPLY WITH ALL COMPANY & GOVERNMENT ENVIRONMENT & SAFETY REGULATIONS. ANYONE ON THE JOB LOCATION HAS THE AUTHORITY TO SHUT DOWN UNSAFE OPERATIONS.

- *1) TAG EXISTING CIBP + CEMENT @ +/-7,465'; CIRC. WELL W/ EXA MOD. Drill out sg. perfs.
2) PERF. 5-1/2" CSG. & ATTEMPT TO SQZ. A 40 SX. CMT. PLUG @ 6,330'-6,230'. WOC Tag
3) CUT & PULL 5-1/2" CSG. @ +/-7,725'. 74850' at least 50' below shoe.
4) MIX & PUMP A 65 SX. CMT. PLUG @ 4,775'-4,675'; WOC & TAG TOP OF CMT. PLUG. 50' in/out.
*5) MIX & PUMP A 45 SX. CMT. PLUG @ 2,870'-2,770'. 120' * Add Plug (Base of Salt)
6) MIX & PUMP A 45 SX. CMT. PLUG @ 400'-300'; WOC & TAG TOP OF CMT. PLUG.
7) MIX & PUMP A 15 SX. CMT. SURFACE PLUG @ 23'-3'; DIG OUT & CUT OFF WELLHEAD 3' B.G.L. & INSTALL DRY HOLE MARKER. 160'

* Drill out CIBP @ 7500'. Squeeze existing perfs from 7720-7500 WOC Tag.

* Spot 100' plug from 940-1040 (Base of Salt), WOC Tag

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) DAVID A. EYLER	Title AGENT Date 03/10/09
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SEE ATTACHED FOR
CONDITIONS OF APPROVAL

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved by David A. Eyler	Title Office	Date MAR 22 2009
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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.

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.

JAMES A. AMOS
SUPERVISOR-EPS

HOLE SIZE 17 1/2

CASING SIZE 13 3/8 48"

TD 350

HOLE SIZE 12 1/4

CASING SIZE 9 5/8 40"

TD 4725

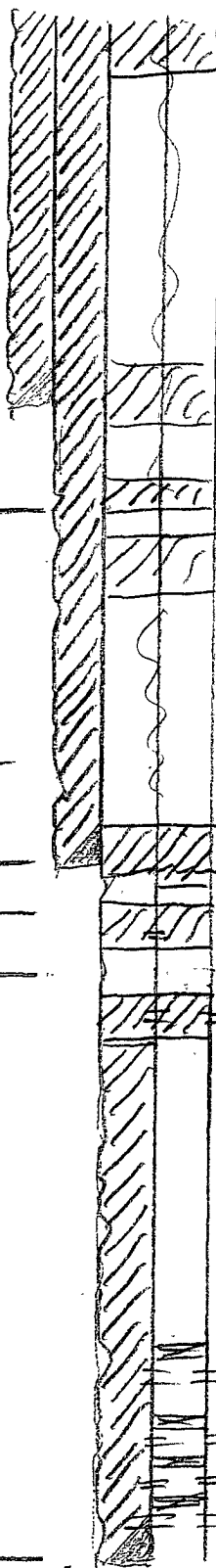
HOLE SIZE 8 3/4

TOL 7937 CBL

CASING SIZE

TD 11230

PBTD 10465



60' - surf

SALT SECTIONS TOP 405
BASE 990
RIMP

CAVE / KARST NA

SPEC. WATER NA

TOL SURF Ø
INT Ø
PROD 7937
CBL

300 -
400
WOC Tag

305-940-1040 WOC Tag

2870 -
2750'

FORMATIONS Notes 1070
2870-2770' SA 2870

6330- Shale 1050 4280
6230 7546-7670 ABD 6280
CIRP 9070 WL 7670
9120-9154 CISD 9350

cut Pull 4850-5070 out
WOC Tag, ST 10210
Perf 6330- CIRP +35 AT 10416
6230 10500
WOC Tag CIRP +35 MR 10856
Perfs @ 7546-7670' 10900
Drill out CIRP 35' MISS 11074
@ 7500' 11070

SQUEEZE Perf.
Cmt from 7720-7500'
WOC Tag

CIRP @ 9070
Perf 9120-9154 (WOC)

CIRP
10500
CIRP
10900
CIRP
11070

DVT 1

PERFORATIONS 7546-7670

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.