

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.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

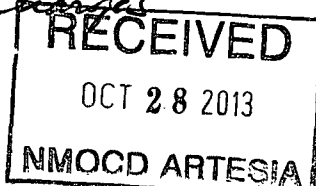
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMLC028992/I
2. Name of Operator EnerVest Operating LLC.		6. If Indian, Allottee or Tribe Name
3a. Address 1001 Fannin St. Ste. 800 Houston TX. 77002-6707	3b. Phone No. (include area code) 713-659-3500	7. If Unit or CA/Agreement, Name and/or No. NMNM72577
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 2140' FNL & 660 FWL (ul E) Sec. 26 T17S R30E		8. Well Name and No. Cedar Lake ADI # 1
		9. API Well No. 30-015-25494
		10. Field and Pool, or Exploratory Area Loco Hills Atoka
		11. County or Parish, State Eddy Co. 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 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 shall 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 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 site is ready for final inspection.)

1. Spot 25 sx cmt. on top CIBP. at 7750' circulate hole mud laden fluid
2. Puh. to 5000' spot 25 sx cmt. top 4900'
3. Perf. & Sqz. 50 sx cmt. 4557' to 4457' WOC & Tag.
4. Perf. & Sqz. 55 sx cmt. 3290' to 3190' WOC & Tag.
5. Perf. & Sqz. 55 sx cmt. 1408' to 1308' WOC & Tag.
6. Perf. & Sqz. 145 sx cmt. to surface.
7. Cut & Cap install dry hole maker.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL*"See Attached Changes"*RECLAMATION PROCEDURE
ATTACHED

Accepted for record

9/28/2013 *10/29/2013*

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Gary Eggleston		Title Superintendent
Signature <i>[Signature]</i>	Date 9-18-13	
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by <i>[Signature]</i> 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 SEPS	Date 10-23-13
	Office LFO	

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.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this

form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or

present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

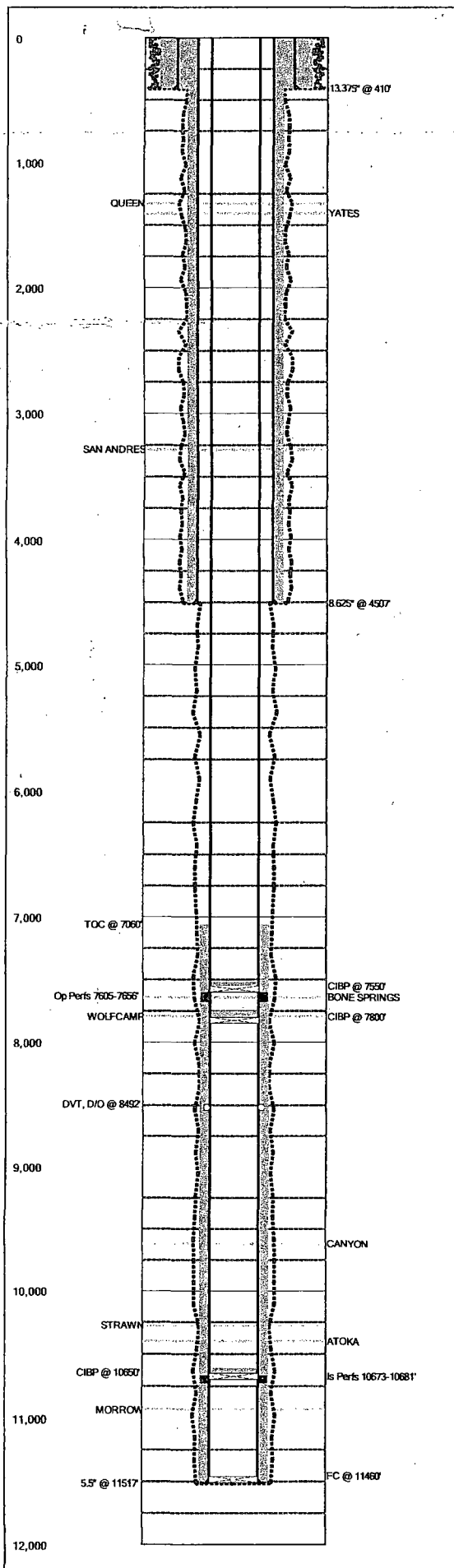
This information is being collected to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer, (WO-630), Mail Stop 401 LS, 1849 C St., N.W., Washington D.C. 20240



Last Updated: 8/16/2013 12:35 PM

Field Name	Lease Name	Well No.
Loco Hills Area	CEDAR LAKE ADI FEDERAL	001
County, State	API No.	
Eddy, New Mexico	30015254940000	
Version	Version Tag	
0	CURRENT	
G.L. (ft)	K.B. (ft)	Sec.
3,617.0	3,637.0	26
Township/Block	Range/Survey	
17S	30E	
Operator	Well Status	Latitude
ENERVEST OPERATING L	TA'D	
L C		
Footage Call		
214' FNL & 660' FWL From Section		
PropNum	Spud Date	Comp. Date
46201.001	2/27/1985	3/10/1986
Additional Information		
Prepared By	Updated By	Last Updated
Tyler Hansen	Tyler Hansen	8/16/2013 12:35 PM

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	410	
	11.000	410	4,507	
	7.875	4,507	11,517	

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	13.375	61.00	J-55	0	410
	Intermediate Casing	8.625	32.00	J-55	0	4,507
	Production Casing	5.500	20.00	N-80	0	612
	Production Casing	5.500	17.00	N-80	612	3,925
	Production Casing	5.500	17.00	J-55	3,925	7,853
	Production Casing	5.500	17.00	N-80	7,853	10,983
	Production Casing	5.500	20.00	N-80	10,983	11,517

Casing Cement Summary

Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	23	13.375	0	410	CIRC
		8.625	0	410	CIRC
	2,200	8.625	410	4,507	CIRC
	1,200	5.500	7,060	11,500	TOC FROM CBL

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
5/9/2013	CIBP	5.500	0.000	7,550	0
12/1/2009	CIBP	5.500	0.000	7,800	0
	DVT, D/O	5.500	0.000	8,492	0
12/1/2009	CIBP	5.500	0.000	10,650	0
	FC	5.500	0.000	11,460	0

Cement Plug Summary

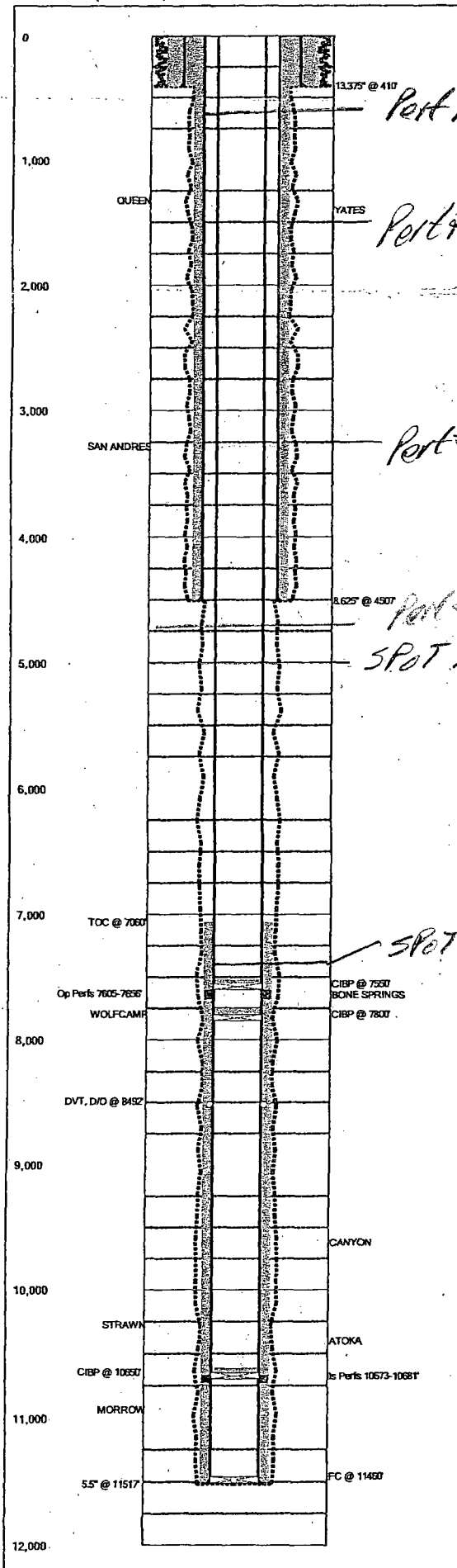
Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
5/9/2013		5.500	7,520	7,550	30' CMT ON CIBP
12/1/2009		5.500	7,750	7,800	50' CMT ON CIBP
12/1/2009		5.500	10,610	10,650	40' CMT ON CIBP
		5.500	11,460	11,500	CASING SHOE

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Open	BONE SPRINGS	7,605	7,656	225
		Isolated	ATOKA SAND	10,673	10,681	32

Formation Tops Summary

Formation	Top (MD ft)	Comments
QUEEN	1,332	
YATES	1,408	
SAN ANDRES	3,290	
BONE SPRINGS	7,645	
WOLFCAMP	7,795	
CANYON	9,620	
STRAWN	10,278	
ATOKA	10,400	
MORROW	10,936	



Port AT 410 CIPED to 1155X5 CMT TO SPOT

Port 455X5 CMT. 1400 TO 1500 WOLFCAMP

Port 455X5 CMT. 3290 TO 3400 WOLFCAMP

Port 455X5 CMT 4550 TO 4750 WOLFCAMP
SPOT 255X5 CMT. 5000 TO 4900'

SPOT 255X5 CMT. 7550 TO 7450'

5/9/2013	CIBP	5.500	0.000	7.550	0
12/1/2009	CIBP	5.500	0.000	7.800	0
	DVT, D/O	5.500	0.000	8.492	0
12/1/2009	CIBP	5.500	0.000	10.650	0
	FC	5.500	0.000	11.460	0

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
5/9/2013		5.500	7,520	7,550	30' CMT ON CIBP
12/1/2009		5.500	7,750	7,800	50' CMT ON CIBP
12/1/2009		5.500	10,610	10,650	40' CMT ON CIBP
		5.500	11,460	11,500	CASING SHOE

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Open	BONE SPRINGS	7,605	7,656	225
		Isolated	ATOKA SAND	10,673	10,681	32

Formation Tops Summary

Formation	Top (MD ft)	Comments
QUEEN	1,332	
YATES	1,408	
SAN ANDRES	3,290	
BONE SPRINGS	7,645	
WOLFCAMP	7,795	
CANYON	9,620	
STRAWN	10,278	
ATOKA	10,400	
MORROW	10,935	

Last Updated: 8/16/2013 12:35 PM

Field Name		Lease Name		Well No.	County, State		API No.	
Loco Hills Area		CEDAR LAKE ADI FEDERAL		001	Eddy, New Mexico		30015254940000	
Version	Version Tag				Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
	0 CURRENT				2/27/1985	3/10/1986	3,617.0	3,637.0
Sec.	Township/Block		Range/Survey		Footage Call			
26	17S		30E		214' FNL & 660' FWL From Section			
Operator			Well Status		Latitude		Longitude	PropNum
ENERVEST OPERATING L L C			TA'D					46201.001
Last Updated		Prepared By			Updated By			
08/16/2013 12:35 PM		Tyler Hansen			Tyler Hansen			
Additional Information								

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	410	
	11.000	410	4,507	
	7.875	4,507	11,517	

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
	Surface Casing	10	13.375	61.00	J-55	0	410	
	Intermediate Casing	107	8.625	32.00	J-55	0	4,507	
	Production Casing	14	5.500	20.00	N-80	0	612	
	Production Casing	76	5.500	17.00	N-80	612	3,925	
	Production Casing	93	5.500	17.00	J-55	3,925	7,853	
	Production Casing	80	5.500	17.00	N-80	7,853	10,983	
	Production Casing	16	5.500	20.00	N-80	10,983	11,517	

Casing Cement Summary

Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	23	13.375	0	410	SURFACE CEMENT	CIRC
		8.625	0	410	INTERMEDIATE CEMENT	CIRC
	2,200	8.625	410	4,507	INTERMEDIATE CEMENT	CIRC
	1,200	5.500	7,060	11,500	PRODUCTION CEMENT	TOC FROM CBL

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
5/9/2013	Cast Iron Bridge Plug	5.500	0.000	7,550	0		
12/1/2009	Cast Iron Bridge Plug	5.500	0.000	7,800	0		
	DV tool (drilled out)	5.500	0.000	8,492	0		
12/1/2009	Cast Iron Bridge Plug	5.500	0.000	10,650	0		
	Float Collar	5.500	0.000	11,460	0		

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
5/9/2013		5.500	7,520	7,550	30' CMT ON CIBP
12/1/2009		5.500	7,750	7,800	50' CMT ON CIBP
12/1/2009		5.500	10,610	10,650	40' CMT ON CIBP
		5.500	11,460	11,500	CASING SHOE

Perforation Summary

C	Date	Perf. Status	Formation		Comments	
4		Isolated	ATOKA SAND		F/475 BBL 3% KCL/METHANOL & 57 K# 20/40 SAND & 88 TONS CO2 & N2	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	10,673	10,681		32		
C	Date	Perf. Status	Formation		Comments	
4		Open	BONE SPRINGS			
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	7,605	7,656		156		
	7,622	7,644		69		

Formation Top Summary

Formation Name	Top (MD ft)	Comments
QUEEN	1,332	
YATES	1,408	
SAN ANDRES	3,290	
BONE SPRINGS	7,645	
WOLFCAMP	7,795	
CANYON	9,620	
STRAWN	10,278	
ATOKA	10,400	
MORROW	10,936	

I. Design Plan

Above ground steel tanks will be used for the management of all plugging fluids.

II. Operations and Maintenance Plan

Basic Energy will operate and maintain all of the above ground steel tanks involved in plugging operations in a prudent manner to prevent any spills. If a leak develops, the appropriate division district office will be notified within 48 hours of the discovery and the leak will be addressed. During an upset condition the source of the spill is isolated and addressed as soon as it is discovered. Free liquids will be removed and loose topsoil will be used to stabilize the spill. The contaminated soil will be either bio-remediated or excavated and taken to an agency approved disposal facility.

III. Closure Plan

All plugging fluids will go to above ground steel tanks and will be hauled by various trucking companies to an agency approved disposal facility.

Impacted areas which will not be used for future service or operations will be reclaimed and reseeded as stated in the APD.

EnerVest Operating LLC.
Cedar Lake ADI Fed. # 1
Unit E, Section 26, T17S, R30E
Eddy County, New Mexico
API# 30-015-25494

Equipment & Design:

Basic Energy Services will use a closed loop system in the plug and abandonment of this well. The following equipment will be on location:

- (1) 250 bbl steel reverse tank

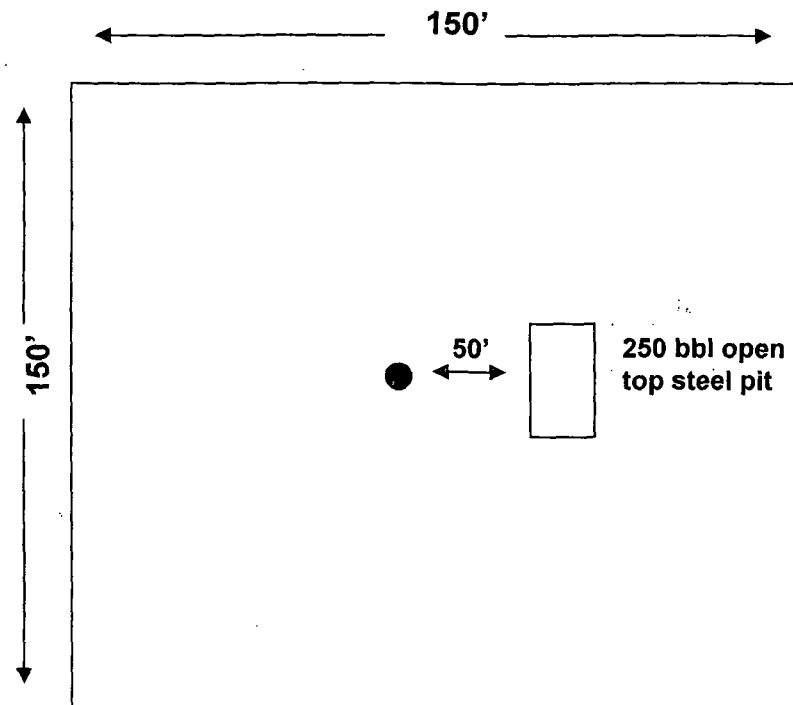
Operations & Maintenance:

During each day of operation, the rig's crew will inspect and closely monitor the fluids contained within the steel tank and visually monitor the release that may occur. Should a release, spill or leak occur, the NMOCD District 1 office in Hobbs (575-393-6161) will be notified, as required in NMOCD's rule 19.15.29.8.

Closure:

After plugging operations, fluids and solids will be hauled and disposed at Gandy-Marley Disposal's location, permit number NM 01-0019. Secondary site will be CRI Disposal, permit number NM 01-0006.

EnerVest. Operating LLC.
Cedar Lake ADI Fed. # 1
Unit E, Section 26, T17S, R30E
Eddy County, New Mexico
API# 30-015-25494



All distances approximate
Not to scale

Ener Vest Operating LLC
1001 Fannin St. Ste. 800
Houston, TX 77002-6707

RE: NMLC028992I: Cedar Lake ADI #1
2140' FNL & 0660' FWL Sec. 26, T17S-R30E
Eddy County, New Mexico

Subject: Plugging and Abandonment Condition of Approval

1. The CIBP's and cement will need to be drilled out, and the hole cleaned to a depth of 9670' (50' below top of Canyon). At this point the well can be plugged as follows:
2. Spot a 200' plug from 9670'-9470' (covers top of Canyon/Upper Penn).
3. Spot a 180' plug from 8542'-8362' (DVT). WOC and tag no lower than 8362'.
4. Spot a 273' plug from 7845'-7572' (covers Top of Wolfcamp and 3rd Bone Spring perfs). WOC and tag no lower than 7572'. If trouble getting cmt to cover the perfs, bring cmt to the base of the perfs, then set CIBP within 50'-100' above the uppermost perfs @ 7622', then spot a 25 sx plug on top of the CIBP.
5. Perforate @ 4557' and squeeze cmt to 4417' (casing shoe). WOC and tag.
6. Perforate @ 3340' and squeeze cmt to 3210' (covers Top of Queen). WOC and tag.
7. Perforate @ 1365' and squeeze cmt to 1265' (Covers Base of Salt). WOC and tag.
8. Perforate @ 556' and squeeze cmt to surface (covers the Top of Salt and surface shoe).
9. At cut-off verify cmt to surface all annulus. Top off as needed.
10. Ground level dry hole marker required.

If any questions, contact Jim Amos @ 575-234-5909.

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.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may 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 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. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. **Before pumping or bailing 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. 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 BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off.**

The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement, unless otherwise noted in COA (requirements will be attached). 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 three 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 will be required. See attached reclamation procedure.

Requirements for dry hole markers in Prairie Chicken Habitat

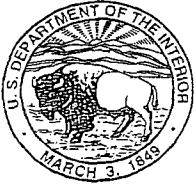
Well Identification Markers **Conditions of Approval (COA)**

The BLM Carlsbad Field Office (CFO) Conditions of Approval (COA) have required that ground level dry hole markers be placed on wells within the Lesser Prairie Chicken habitat area. Onshore Order 2.III.G.10 allows for surface caps to be installed at the base of the cellar of a minimum of 3 feet below the restored ground level. Therefore, these markers shall be set a minimum of 3 feet below the restored ground level. All markers shall be identified by GPS coordinates.

The dry hole markers will be to the following specifications. The operator will construct the markers as follows:

1. A steel plate 1/4 inch thick shall be placed on the wellbore, welded in place and with a weep hole.
2. Aluminum data plates may be bolted to the steel plate with minimum 1/4 inch bolts and locking nuts or self tapping fine threaded screws. A minimum of one in each corner is to be installed on each plate.
3. An 8 inch x 8 inch aluminum plate, which is 12 gauge or .080 sign material (1/8 inch aluminum plate may be used in place of the .080 plate) with the required information for that well stamped or engraved in a minimum 3/8 inch tall letter or number.
4. The following information will be stamped or engraved on the 8 inch X 8 inch aluminum plate in the following order.
 - a. First row: Operator's name
 - b. Second row: Well name and number
 - c. Third row: Legal location to include 1/4 1/4, Section, Township, and range. If the legal location cannot be placed on one row it can be split into two rows with the 1/4 1/4 (example: 1980 FNL 1980 FWL) being on the top row.
 - d. Fourth row: Lease Number and API number.
 - i. Example marker plate: (attached)

Notification to NMOCD of this marker type will be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground level dry hole marker was installed and GPS coordinates recorded as required in the COAs from the BLM.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292
www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its pre-disturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, re-distribute the native soils, provide erosion control as needed, rip and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation

equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

5. The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Inspection & Enforcement

Jim Amos
Supervisory Environmental Protection Specialist
575-234-5909, 575-361-2648 (Cell)

Mike Burton
Environmental Protection Specialist
575-234-2226

Jeffery Robertson
Natural Resource Specialist
575-234-2230

Jennifer Van Curen
Environmental Protection Specialist
575-234-5905

Doug Hoag
Civil Engineering Technician
575-234-5979

Linda Denniston
Environmental Protection Specialist
575-234-5974

Solomon Hughes
Natural Resource Specialist
575-234-5951

Permitting

Cody Layton
Natural Resource Specialist
575-234-5959

Trishia Bad Bear
Natural Resource Specialist
575-393-3612

Todd Suter
Surface Protection Specialist
575-234-5987

Tanner Nygren
Natural Resource Specialist
575-234-5975

Amanda Lynch
Natural Resource Specialist
575-234-5922

Legion Brumley
Environmental Protection Specialist
575-234-5957

Realty, Compliance

Randy Pair
Environmental Protection Specialist
575-234-6240