

UNITED STATES
DEPARTMENT OF THE INTERIOR **RECEIVED**
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

MAY 01 2018

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.
Contract No. 148

6. If Indian, Allottee, or Tribe Name
Jicarilla Apache Tribe

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

8. Well Name and No.
Jicarilla Contract 148 No. 043

9. API Well No.
30-039-23713

10. Field and Pool, or Exploratory Area
Lindrieth Gallup - Dakota West

11. County or Parish, State
Rio Arriba, New Mexico

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
EnerVest Operating, LLC

3a. Address
1001 Fannin St., Suite 800 Houston, TX 77002-6707

3b. Phone No. (include area code)
713-659-3500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec. 15, T25N, R05W 990' FSL 990' FEL (UL P)

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 if the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports must be filed within 30 following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed if testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamation, have been completed, and the operator has

EnerVest Operating, LLC respectfully requests authorization to plug and abandon this well.
Please see attached Plug and Abandonment Procedure, Wellbore Diagrams and Site Reclamation Plan.

NMOCD
MAY 10 2018
DISTRICT III

Notify NMOCD 24 hrs prior to beginning operations

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) **Shelly Doescher** Title **Agent**

Signature *Shelly Doescher* Date **April 29, 2018**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by *[Signature]* Title **Super NPS** Date **5/2/18**

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, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD PV

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PLUG AND ABANDONMENT PROCEDURE

March 8, 2018

Jicarilla Contract 148 #43

West Lindrith – Gallup Dakota

990' FSL, 790' FEL, Section 15, T25N, R5W, Rio Arriba County, New Mexico

API 30-039-23713 Lat 36.39545 Long -107.34114 Nad 83

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield.

1. This project will use an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes____, No X, Unknown____.
Tubing: Yes X, No____, Unknown____, Size 2-3/8", Length 7486'.
Packer: Yes____, No X, Unknown____, Type_____.
4. **Plug #1 (Dakota perforations and top, 7288' – 7188')**: R/T 4.5" gauge ring or mill to 7288'. RIH and set 4.5" CR at 7288'. Pressure test tubing to 1000#. Attempt to pressure test casing to 800#. If casing does not test then spot or tag subsequent plugs as necessary. Mix and pump 16 sxs Class G cement and spot a balanced plug inside casing to isolate the Dakota interval. PUH.
5. **Plug #2 (Gallup top, 6494' – 6394')**: Mix and pump 16 sxs Class G cement and spot a balanced plug inside casing to cover the Gallup top. PUH.
6. **Plug #3 (Mancos and Mesaverde tops, 5495' – 4679')**: Mix and pump 75 sxs Class G cement and spot a balanced plug inside casing to cover the Mancos and Mesaverde tops. PUH.
7. **Plug #4 (Chacra top, 3980' – 3880')**: Mix and pump 16 sxs Class G cement and spot a balanced plug inside casing to cover the Chacra top. PUH.
8. **Plug #5 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 3134' – 2490')**: Mix and pump 65 sxs Class G cement and spot a balanced plug inside casing to cover PC through the Ojo Alamo top. TOH.
9. **Plug #6 (Nacimiento top, 1370' – 1270')**: Mix and pump 12 sxs Class G cement and spot a balanced plug inside casing to cover through the Ojo Alamo top. TOH.
10. **Plug #7 (8-5/8" Surface casing shoe and Surface, 378' - Surface)**: Attempt to pressure test the bradenhead annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then

establish circulation out casing valve with water. Mix approximately 35 sxs cement and spot a balanced plug from 378' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface. Shut in well and WOC.

11. ND cementing valves and cut off wellhead. Fill annuli with cement as necessary. Install P&A marker to comply with regulations. Record GPS coordinate for P&A marker on tower report. Photograph P&A marker in place. RD, MOL and cut off anchors. Restore location per BLM stipulations

Jicarilla Contract 148 #43

West Lindrith – Gallup Dakota

Today's Date: 3/8/18

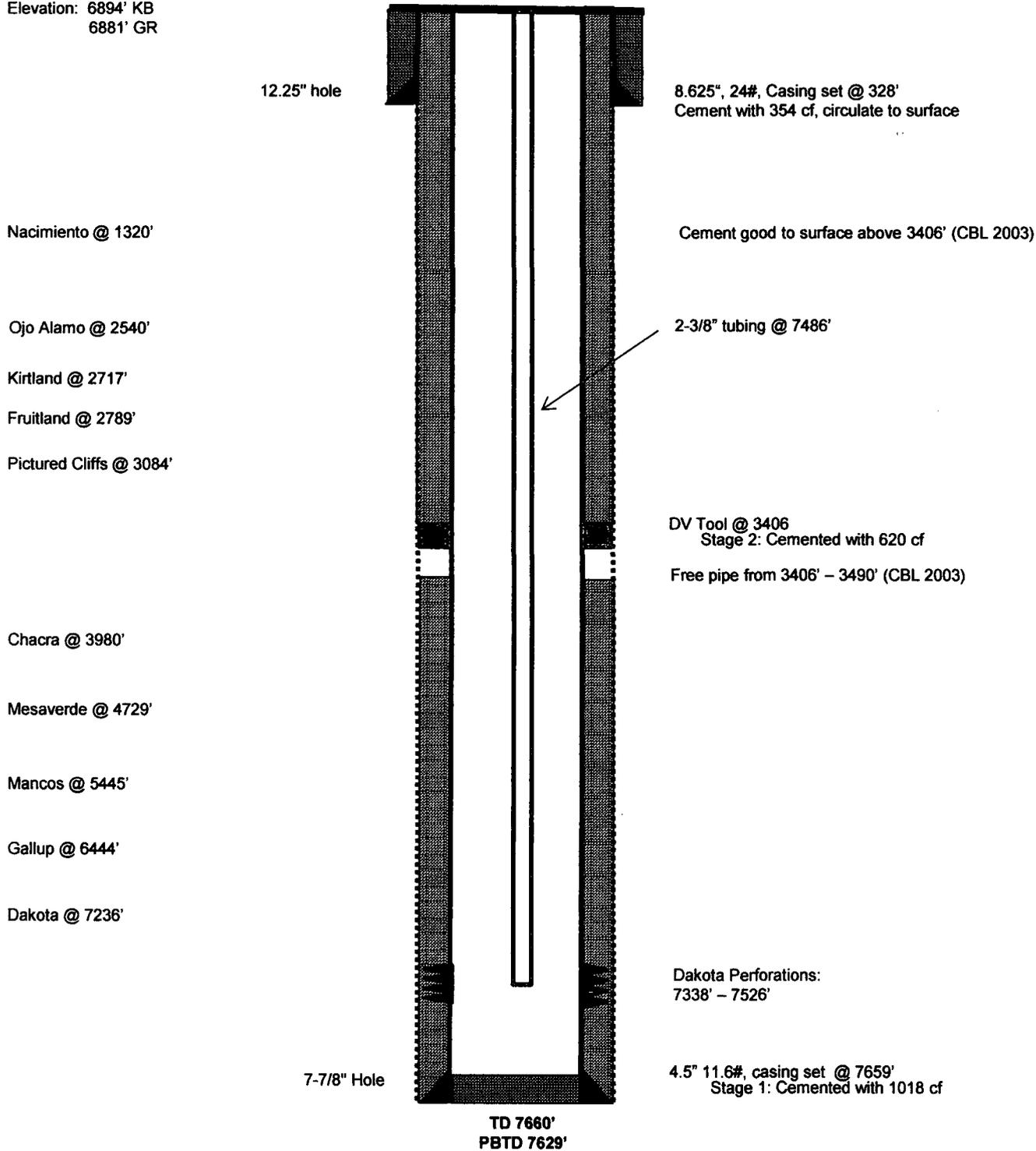
Spud: 6/16/85

Completion: 7/24/85

Elevation: 6894' KB
6881' GR

990' FSL, 790' FEL, Section 15, T-25-N, R-5-W, Rio Arriba County, NM

Lat: 36.39545N /Long -107.34114 W Nad 83 API #30-039-23713



Jicarilla Contract 148 #43

West Lindrith – Gallup Dakota

Today's Date: 3/8/18

990' FSL, 790' FEL, Section 15, T-25-N, R-5-W, Rio Arriba County, NM

Spud: 6/16/85

Completion: 7/24/85

Lat: 36.39545N / Long: -107.34114 W, API #30-039-23713

Elevation: 6894' KB

6881' GR

12.25" hole

Nacimiento @ 1320'

Ojo Alamo @ 2540'

Kirtland @ 2717'

Fruitland @ 2789'

Pictured Cliffs @ 3084'

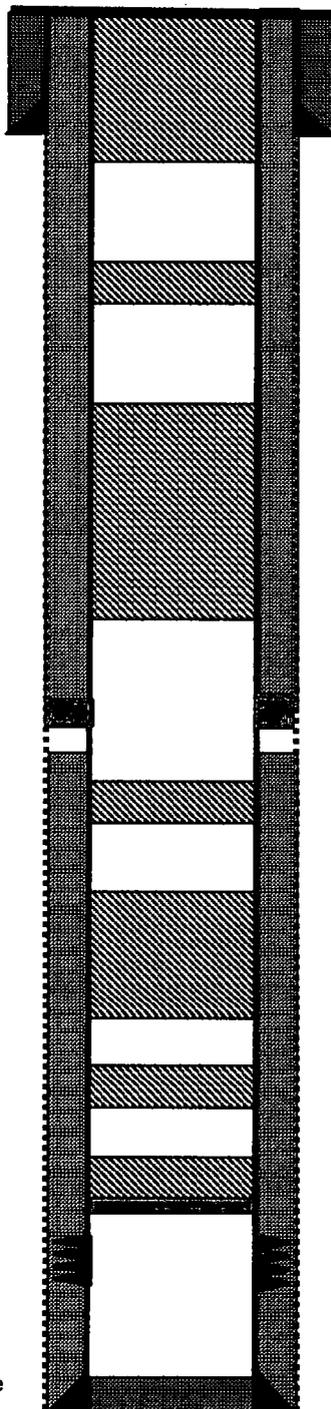
Chacra @ 3980'

Mesaverde @ 4729'

Mancos @ 5445'

Gallup @ 6444'

Dakota @ 7236'



8.625", 24#, Casing set @ 328'
Cement with 354 cf, circulate to surface

Plug #7: 378' – 0'
Class G cement, 35 sxs

Cement good to surface above 3406' (CBL 2003)

Plug #6: 1370' – 1270'
Class G cement, 12 sxs

Plug #5: 3134' – 2490'
Class G cement, 65 sxs

DV Tool @ 3406
Stage 2: Cemented with 620 cf
Free pipe from 3406' – 3490' (CBL 2003)

Plug #4: 3980' - 3880'
Class G cement, 16 sxs

Plug #3: 5495' – 4679'
Class G cement, 75 sxs

Plug #2: 6494' – 6394'
Class G cement, 16 sxs

Plug #1: 7288' – 7188'
Class G cement, 16 sxs

Set CR @ 7288'

Dakota Perforations:
7338' – 7526'

4.5" 11.6#, casing set @ 7659'
Stage 1: Cemented with 1018 cf

TD 7660'
PBD 7629'

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402**

**Attachment to notice of
Intention to Abandon:**

**Re: Permanent Abandonment
Well: Jicarilla Contract 148 No. 043**

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

3. The following modifications to your plugging program are to be made:

- a) Set Plug #2 (6367 - 6267) ft. to cover the Gallup top. BLM picks top of Gallup at 6317 ft.**
- b) Set Plug #3 (5818 - 4684) ft. to cover the Mancos and Mesaverde tops. BLM picks top of Mancos at 5768 ft. BLM picks top of Mesaverde at 4734 ft.**
- c) Set Plug #4 (4000 - 3900) ft. to cover the Chacra top. BLM picks top of Chacra at 3950 ft.**
- d) Set Plug #5 (3128 - 2462) ft. to cover the Pictured Cliffs, Fruitland, Kirtland, and Ojo Alamo tops. BLM picks top of Pictured Cliffs at 3078 ft. BLM picks top of Ojo Alamo at 2512 ft.**
- e) Set Plug #6 (1200 - 1100) ft. to cover the Nacimiento top. BLM picks top of Nacimiento at 1150 ft.**

Operator must run a CBL to verify cement top. Submit the electronic copy of the log for verification to the following addresses: tsalvers@blm.gov Brandon.Powell@state.nm.us

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

**NMOCB
JUN 08 2018
DISTRICT III**