

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED  
OMB NO. 1004-0135  
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.  
NMLC064098

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. Unit or CA/Agreement, Name and/or No.  
8910086380

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator *Remnant*  
LEGACY RESERVES OPERATING LP - Mail: kwillizms@legacylp.com  
Contact: KENT WILLIAMS

8. Well Name and No.  
PEARSALL QN SAND UT 16

9. API Well No.  
30-025-00844-00-S1

3a. Address  
303 W WALL SUITE 1600  
MIDLAND, TX 79702

3b. Phone No. (include area code)  
Ph: 432.689.5200

10. Field and Pool, or Exploratory  
PEARSALL

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 5 T18S R32E NWSE 1980FSL 1980FEL

11. County or Parish, and State  
LEA COUNTY, 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 recomplete 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 recompletion 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.)

Plug and abandon well. Will perform turn-key PXA with approved vendor. Current and proposed wellbore diagrams attached.

Pre-job:  
-Check location for required dirtwork  
-Test pulling unit anchors if necessary

Procedure:  
1. MIRU plugging company. NU 2000# minimum rated BOP.  
2. Plug #1 (Perforation Plug) RU wireline. RIH and set 7" CIBP at 3600' (10'KB). RIH w/wireline bailer and dump 3 sxs cmt on top of plug from 3600'-3565' (35'). No tag required.

*Below ground level dry hole marker required.*

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #325716 verified by the BLM Well Information System  
For LEGACY RESERVES OPERATING LP, sent to the Hobbs  
Committed to AFMSS for processing by PRISCILLA PEREZ on 12/23/2015 (16PP0019SE)

Name (Printed/Typed) KENT WILLIAMS	Title SENIOR PETROLEUM ENGINEER
Signature (Electronic Submission)	Date 12/07/2015

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <i>James G. Lewis</i>	Title <i>Supv PET</i>	Date <i>9-15-18</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.		Office <i>Cocksbad Field Office</i>

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.

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

**FOR RECORD ONLY**  
NMOLD 09/27/18

**Additional data for EC transaction #325716 that would not fit on the form**

**32. Additional remarks, continued**

3. PU and RIH 2 3/8" tbg workstring to top of plug. Circulate the casing w/mud laden fluid. Csg Volume = 140 bbls

4. Plug #2 (Casing Plug) Perforate csg at <sup>2383</sup>2000'. Sqz 30 sxs cmt from <sup>2383-2253</sup>~~2000-1850~~ (150'). ~~No tag~~ *WOC Tag (B/salt)*

5. Plug #3 (Casing Shoe Plug) Perforate csg at 859'. Sqz 48 sxs cmt from 859'-709' (150'). WOC. Tag plug. *Add Plug, Perf @ 1316, SQZ cmt from 1316 - 1216, WOC Tag (B/salt)*

6. Plug #4 (Casing Plug) Perforate csg at 400'. Sqz 60 sxs cmt from 400'-300' (100'). WOC. Tag plug.

7. Plug #5 (Surface Plug) Perforate csg at 60'. Sqz and circulate 36 sxs cmt from 60'-0' (60'). Top off at surface as necessary.

8. Cut off well head. Weld on dry hole marker. Backfill cellar as necessary. Clean location. RDMO.

**Note:**

- Use Class "C" Neat Cement, 1.32 ft 3/sx cmt yield
- Use 9.0 PPG mud laden fluid (25 sxs @ 50 # gel/sx in 100 bbls brine)
- Notify BLM office (Carlsbad, NM) at (575) 234-5972 at least 24 hrs prior to initiating plugging

*Hobbs. 575-393-3612*



PEARSALL QUEEN SAND UNIT #16

Current Wellbore Diagram

FIELD: Pearsall (Queen)  
COUNTY: Lea  
STATE: New Mexico

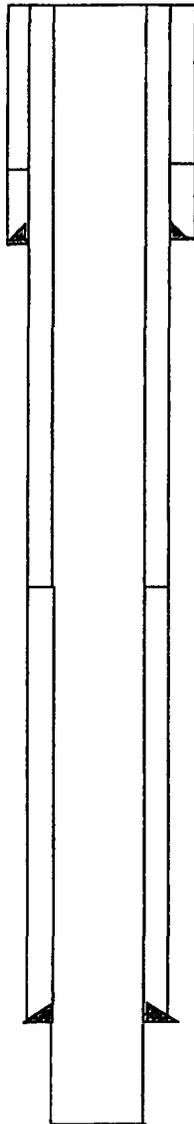
GL: 3856.5'  
KB: Unknown  
SPUD DATE: 06/26/45

LATEST UPDATE: 10/10/2013  
BY: MAL  
API No: 30-025-00844

Location:

SHL: 1650' FSL & 1980' FEL, Sec 5, T18S, R32E

11"  
Hole



8-5/8", 24# csg set @ 809', cmt'd w/ 50 sx,  
TOC @ 634' (calc.)

T/Anky 1075

T/salt 1266

B/salt 2333

TOC @2497' (Calc)

7-7/8"  
Hole

<sup>3610</sup>  
7" 23#, csg set @ 3650', cmt'd w/ 100 sx,  
TOC @ 2497' (calc.)

6-1/8"  
Hole

Queen sand open hole  
@ 3650'-3734'

TD 3734'



PEARSALL QUEEN SAND UNIT #16

Proposed PXA Wellbore Diagram

FIELD: Pearsall (Queen)

GL: 3856.5'

LATEST UPDATE: 10/10/2013

COUNTY: Lea

KB: Unknown

BY: MAL

STATE: New Mexico

SPUD DATE: 06/26/45

API No: 30-025-00844

Location:

SHL: 1650' FSL & 1980' FEL, Sec 5, T18S, R32E

11"  
Hole



8-5/8", 24# csg set @ 809', cmt'd w/ 50 sx,  
TOC @ 634' (calc.)

TOC @2497' (Calc)'

7-7/8"  
Hole

*CIBP @ 3600 Cap w/ 35' cmt or spot 25 sx.*

7" 23#, csg set @ 3650', cmt'd w/ 100 sx,  
TOC @ 2497'

6-1/8"  
Hole

Queen sand open hole  
@ 3650'-3734'

TD 3734'

**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 (LPC Habitat)**

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 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. 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. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): 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 10<sup>th</sup> day, the BLM is to be contacted with justification to receive an extension for completing the cut off. Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings 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 covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

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 objectives.

Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:

From March 1<sup>st</sup> through June 15<sup>th</sup> annually, abandonment activities will be allowed except between the hours from 3:00 am and 9:00 am. Normal vehicle use on existing roads will not be restricted