

Submit 1 Copy To Appropriate District Office  
 District I – (575) 393-6161  
 1625 N. French Dr., Hobbs, NM 88240  
 District II – (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III – (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV – (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505

WELL API NO. <b>30-025-10480</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>Langlie Mattix Penrose Sand Unit</b>
8. Well Number <b>#134</b>
9. OGRID Number <b>240974</b>
10. Pool name or Wildcat <b>Langlie Mattix; 7 Rivers; Q; Grbg</b>

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> 2. Name of Operator <b>Legacy Reserves Operating LP</b> 3. Address of Operator <b>P.O. Box 10848, Midland, TX 79702</b> 4. Well Location Unit Letter <b>E</b> : <b>1980</b> feet from the <b>N</b> line and <b>660</b> feet from the <b>W</b> line Section <b>27</b> Township <b>22S</b> Range <b>37E</b> NMPM County <b>Lea</b> 11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3341' GR</b>	
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12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> <b>PLUG AND ABANDON</b> <input checked="" type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> DOWNHOLE COMMINGLE <input type="checkbox"/> CLOSED-LOOP SYSTEM <input type="checkbox"/> OTHER: <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- Set 5" CIBP @ 3502'. Circ hole w/ MLF. Pressure test csg.
- Perf & Sqz 50 sx cmt @ 3502-3100'. WOC & Tag (7" Shoe & TOL)
- Spot 25 sx cmt @ 2530-2430'. WOC & Tag (B/Salt)
- Spot 75 sx cmt @ 1540-1140'. WOC & Tag (T/Salt & 7" DVT)
- Perf & Sqz 40 sx cmt @ 211' to surface.
- Cut off well head, verify cmt @ surface, weld on Dry Hole Marker.

**SEE ATTACHED  
 CONDITIONS OF APPROVAL**

**4" diameter 4' tall Above Ground Marker**

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE  TITLE Compliance Coordinator DATE 10/29/2021

Type or print name Melanie Reyes E-mail address: mreyes@legacyreserves.com PHONE: (432) 221-6358

**For State Use Only**

APPROVED BY:  TITLE Compliance Officer A DATE 11/19/21

Conditions of Approval (if any)

## Langlie Mattix Penrose Sand Unit #134 Plugging Plan

1. Set 5" CIBP @ 3502'. Circ hole w/ MLF. Pressure test csg.
2. Perf & Sqz 50 sx cmt @ 3502-3100'. WOC & Tag (7" Shoe & TOL)
3. Spot 25 sx cmt @ 2530-2430'. WOC & Tag (B/Salt)
4. Spot 75 sx cmt @ 1540-1140'. WOC & Tag (T/Salt & 7" DVT)
5. Perf & Sqz 40 sx cmt @ 211' to surface.
6. Cut off well head, verify cmt @ surface, weld on Dry Hole Marker.

Legacy		CURRENT	
Author:	Abby @ BCM	Well No.	#134
Well Name	Langlie Mattix Penrose Sand Unit	API #:	30-025-10480
Field/Pool	LM; 7 Rvs, Qn, Grbg	Location:	Sec 27, T22S, R37E
County	Lea	State	1980 FNL & 660 FEL
Spud Date	2/16/1937	GL:	3341

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	10 3/4		40#	161	13 3/7	100	0
Prod Csg	7		22#	3,385	8 1/2	400	0
Liner	5		15#	3385-3675	6 1/4	250	3,385

Formation	Top
T/Salt	1490
B/Salt	2480
Anhy	1166 +/-
Yates	2653 +/-
7 Rivers	2851 +/-
Queen	3414 +/-

10 3/4 40# CSG @ 161  
Hole Size: 13 3/7

7" DVT @ 1220'

7 22# CSG @ 3,385  
Hole Size: 8 1/2

2 3/8" tbg @ 3634

Perfs @ 3552-3645

5" Liner 15# set @ 3385-3675

TD @ 3675  
TDPB @ 3610

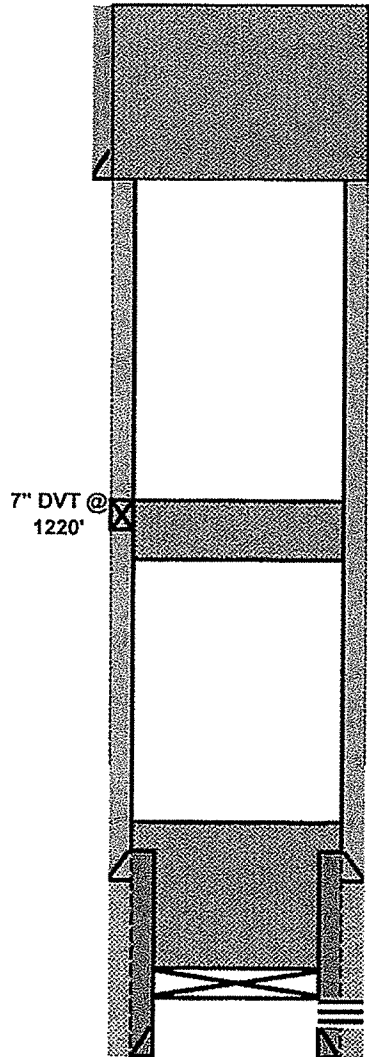
4/10/1937: Open hole shot with Nitro 340 qts and 104 qts (1938).  
8/17/1970: Attempt to fish junk (91' 5" oo liner and misc cable tool equip) and cleanout well. Unsuccessful in running impression block. Leave junk in hole. Lost 6" bit and 57' of 2 7/8" DP while drilling out beside junk. Could not fish. Filled OH with 600 sxs, 300 sxs, 75 sxs, 35 sxs and 35 sxs cement and set 2 whipstocks at 3425' and 3405' and drilled new hole to 3675' TD. Installed 5" liner at 3305'-3675' and cemented w/ 250 sxs, perforated 3522'-3645', and fraced new perfs w/ 60,000 gal and 110,000# sand.

32.3646812  
-103.1572418

<b>Legacy</b>		<b>PROPOSED</b>	
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Field/Pool	LM; 7 Rvs, Qn, Grbg	API #:	30-025-10480
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10 3/4 40# CSG @ 161  
Hole Size: 13 3/7

5. Perf & Sqz 40 sx cmt @ 211' to surface.

4. Spot 75 sx cmt @ 1540-1140'. WOC & Tag (T/Salt & 7" DVT)

3. Spot 25 sx cmt @ 2530-2430'. WOC & Tag (B/Salt)

2. Perf & Sqz 50 sx cmt @ 3502-3100'. WOC & Tag (7" Shoe & TOL)

7 22# CSG @ 3,385

Hole Size: 8 1/2

1. Set 5" CIBP @ 3502'. Circ hole w/ MLF. Pressure test csg.

Perfs @ 3552-3645

5" Liner 15# set @ 3385-3675

TD @ 3675  
TDPB @ 3610

4/10/1937: Open hole shot with Nitro 340 qts and 104 qts (1938).  
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**CONDITIONS OF APPROVAL  
FOR PLUGGING AND ABANDONMENT  
OCD - Southern District**

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office I (Hobbs) at (575)-263-6633 at least 24 hours before beginning work. After MIRU rig will remain on well until it is plugged to surface. OCD is to be notified before rig down.

**Company representative will be on location during plugging procedures.**

1. A notice of intent to plug and abandon a wellbore is required to be approved before plugging operations are conducted. A cement evaluation tool is required in order to ensure isolation of producing formations, protection of water and correlative rights. A cement bond log or other accepted cement evaluation tool is to be provided to the division for evaluation if one has not been previously run or if the well did not have cement circulated to surface during the original casing cementing job or subsequent cementing jobs. Insure all bradenheads have been exposed, identified and valves are operational prior to rig up.
2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
3. Trucking companies being used to haul oilfield waste fluids to a disposal - commercial or private- shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
6. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
7. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
8. Produced water will not be used during any part of the plugging operation.
9. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
10. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
11. Class 'C' cement will be used above 7500 feet.
12. Class 'H' cement will be used below 7500 feet.
13. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
14. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing.
16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).



19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
- A) Fusselman
  - B) Devonian
  - C) Morrow
  - D) Wolfcamp
  - E) Bone Springs
  - F) Delaware
  - G) Any salt sections
  - H) Abo
  - I) Glorieta
  - J) Yates.
  - K) Potash---(In the R-111-P Area (Potash Mine Area),  
A solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing.

### **DRY HOLE MARKER REQUIREMENTS**

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name
2. Lease and Well Number
3. API Number
4. Unit letter
5. Quarter Section (feet from the North, South, East or West)
6. Section, Township and Range
7. Plugging Date
8. County

### **SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS**

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)

### **SITE REMEDIATION DUE WITHIN ONE YEAR OF WELL PLUGGING COMPLETION**

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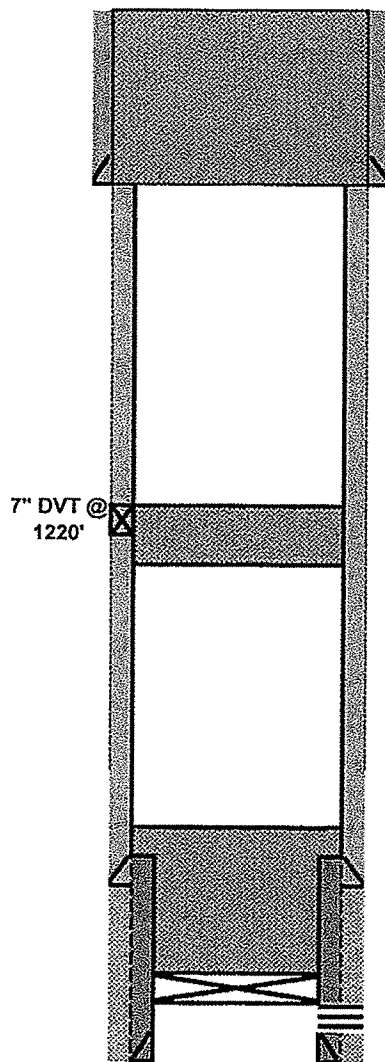
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
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CONDITIONS  
  
Action 58724

CONDITIONS

Operator: LEGACY RESERVES OPERATING, LP 15 Smith Road Midland, TX 79705	OGRID: 240974
	Action Number: 58724
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kfortner	see attached conditions of approval	11/19/2021