

Office
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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. 30-025-10494
5. Indicate Type of Lease STATE [ ] FEE [x]
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Langlie Mattix Penrose Sand Unit
8. Well Number 286
9. OGRID Number 240974
10. Pool name or Wildcat Langlie Mattix; 7 Rvrs-Q-Grayburg
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3352' GL

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 [x] Gas Well [ ] Other [ ]
2. Name of Operator LEGACY RESERVES OPERATING LP
3. Address of Operator 15 SMITH ROAD, SUITE 3000, MIDLAND, TX 79705
4. Well Location
Unit Letter E : 2310 feet from the NORTH line and 990 feet from the WEST line
Section 28 Township 22S Range 37E NMPM County LEA

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [x]
TEMPORARILY ABANDON [ ] CHANGE PLANS [ ]
PULL OR ALTER CASING [ ] MULTIPLE COMPL [ ]
DOWNHOLE COMMINGLE [ ]
CLOSED-LOOP SYSTEM [ ]
OTHER: [ ]
SUBSEQUENT REPORT OF:
REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS. [ ] P AND A [ ]
CASING/CEMENT JOB [ ]
OTHER: [ ]

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.

- 1. MIRU. Pull rods and tubing from 3590'
2. PUMU 7" AW scraper. RIH to 3420'.
3. PUMU 7" CIBP. RIH and set @ 3400'.
4. MIRU cementers. RIH with tubing, tag CIBP, spot 25 sx. WOC & Tag- record depth.
5. Circ hole with MLF and P/T casing to 500 # witnessed by NMOCD rep.
6. If casing doesn't test, use BP to hunt for holes. Sqz 50 sx cmt. WOC & drill out. Re-test.
7. Spot 25 sx cmt @2674'-2420'. WOC & Tag. (Yates/ Transil (B-salt))
8. Spot 25 sx cmt @1285'-1185'. WOC & Tag. (Rustler T-salt)
9. Spot 25 sx cmt @ 940'-840'. WOC & Tag. (Est TOC 7" csg)
10. Perf & Sqz 34 sx cmt @ 279'-179'. WOC & Tag (Surf Casing Shoe)
11. Perf & Sqz 90 sx cmt @ 100'-0'. (Surface Plug- Extra cement due to no cement behind 7" inside 15.5")
12. Cut off well head, verify cmt at surface, weld on dry hole marker.

4" diameter 4' tall Above Ground Marker

Spud Date: [ ]

Rig Release Date: SEE ATTACHED CONDITIONS OF APPROVAL

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

SIGNATURE Melanie Reyes TITLE Regulatory Tech DATE 01/24/2023

Type or print name MELANIE REYES E-mail address: mreyes@legacyreserves.com PHONE: 432-221-6358

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 2/3/23
Conditions of Approval (if any): 575-263-6633

**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**

# Wellbore Schematic

Printed: 1/24/2023

Page 1

**LMPSU # 286** **BOLO ID: 300029.28.06** **API # 3002510494**

LMPSU # 286, 1/24/2023

2310 FNL & 4290 FEL	GL Elev:	KOP:	
Section 28, Township 22S, Range 37E		EOC:	
County, State: Lea, NM		Fill Depth:	
Aux ID: 41740		PBTD:	3,680.00
'KB' correction: ; All Depths Corr To:		TD:	3,680.00
		BOP:	

**Hole Size**

Diameter	Top At	Btm At	Date Drilled
18.0000	0.00	125.00	
<i>Bore size estimated.</i>			
8.2500	125.00	3,454.00	
<i>Bore size estimated. Well record suggests other bore sizes based on pulled casing but nothing definitive.</i>			
6.2500	3,454.00	3,680.00	
<i>Open hole. Bore size estimated.</i>			

**Surface Casing**

Date Ran: 11/10/2008

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		15.5000	70.00		125.00	0.00	125.00

**Production Casing**

Date Ran: 11/10/2008

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Casing		7.0000	20.00		3,454.00	0.00	3,454.00

**Cement**

Top At	Btm At	I D	O D	TOC Per	# - Type	# Sx	Class	Wt.
0.00	125.00	15.500	18.000	Circ	10	100		
2,454.00	3,454.00	7.000	8.250		20	250		

TOC unknown.; TOC unknown.

**Zone and Perfs**

**SEVEN RIVERS**

**Comments / Completion Summary**

5/25/1940: Shot open hole with Nitro.  
1/29/1970: Frac treatment.

**Perforations**

Top	Bottom	Formation	Status	Opened	Closed	# / Ft	Ttl #
3,454.00	3,680.00	Queen-Penrose					

**Tubing**

Date Ran: 8/23/2007

Description	#	Diameter	Weight	Grade	Length	Top At	Btm At
Tubing	107	2.3750	4.70	J55	3,354.00	0.00	3,354.00
Tubing Anchor	1	7.0000			3.00	3,354.00	3,357.00
Tubing	4	2.3750	4.70	J55	129.00	3,357.00	3,486.00
Tubing	1	2.3750	4.70	END	32.00	3,486.00	3,518.00

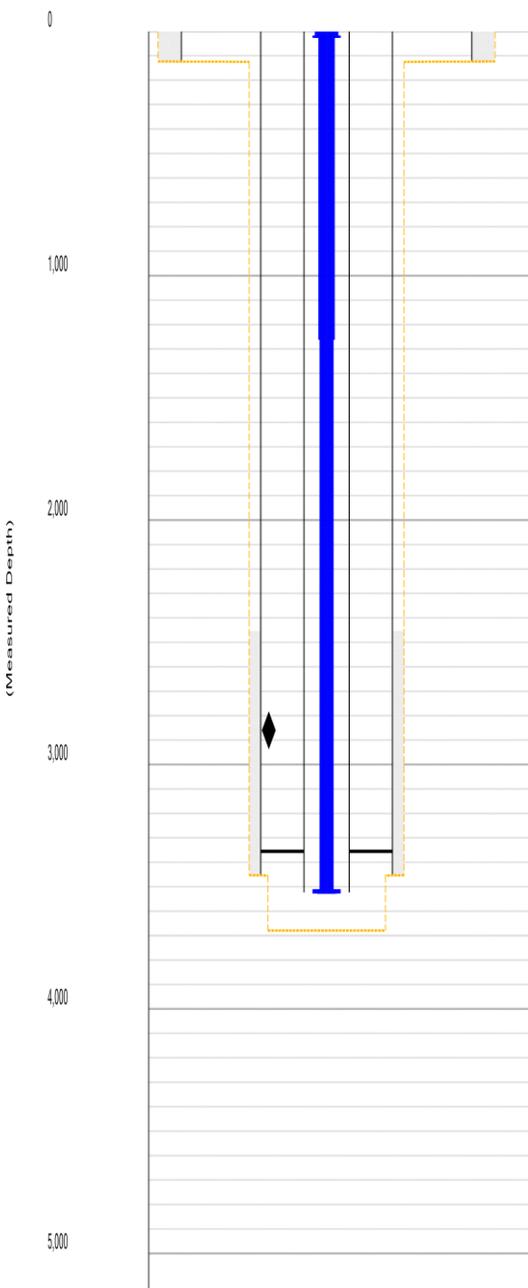
**Endalloy Joint**

Seat Nipple	1	2.3750			1.00	3,518.00	3,519.00
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**Rods**

Date Ran: 2/10/2017

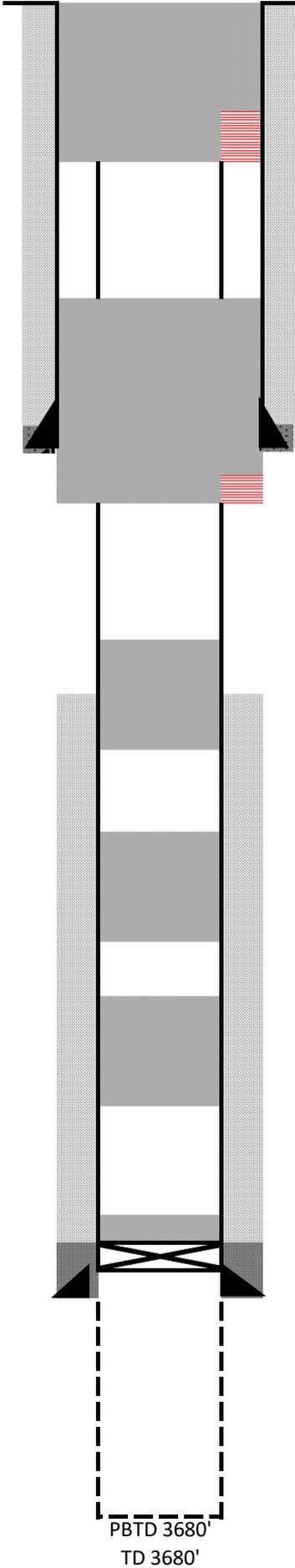
Description	#	Diameter	Rod Box	Grade	Length	Top At	Btm At
Polish Rod	1	1.2500			26.00	0.00	26.00
Polish Rod Liner	1	1.5000			8.00	18.00	26.00
Pony Rods	2	0.8750			10.00	26.00	36.00
Rods	49	0.8750			1,225.00	36.00	1,261.00
Rods	90	0.7500			2,250.00	1,261.00	3,511.00
Pump	1	1.5000			16.00	3,511.00	3,527.00
Strainer	1	1.0000			0.50	3,527.00	3,527.50



◇ = Fluid Level with Cas  
◆ = Net Fluid Level



<b>Langlie-Mattix Penrose Sand Unit #286</b>		API#:	<b>30-025-10494</b>				
Field/Pool:	<b>Langlie-Mattix</b>	Section:	<b>28</b>				
County:	<b>Lea</b>	Township:	<b>22S</b>	Range:	<b>37E</b>		
State:	<b>New Mexico</b>	Location:	<b>2310' FNL x 990' FWL</b>			Author:	
Spud Date:	<b>4/11/1940</b>	GL:	<b>3352'</b>	PBTD:	<b>3680'</b>	J. Valdez	



Description	O.D.	Weight	Top	Depth	Hole	Cmt Sx	TOC
Surface	15.5	70	0	125	18	100 sx pump and plug	0' calc
Int. - Water Shut-off	13	40	0	450	15	Landed Only- Water Shut-off. Pulled before 7" ran	N/a
Int. - Water Shut-off	10	40	0	750	12	Landed Only- Water Shut-off. Pulled before 7" ran	N/a
Int. - Water Shut-off	8	32	0	1170	10	Landed Only- Water Shut-off. Pulled before 7" ran	N/a
Production	7	20	0	3454	8	250 sx pump and plug	Est 890' calc
Open Hole	6.25	Open Hole	3454	3680	6.25	Open Hole	

**7. Cut off well head, verify cmt at surface, weld on dry hole marker.**  
**6. Perf & Sqz 90 sx cmt @ 100'-0'. (Surface Plug- Extra cement due to no cement behind 7" inside 15.5")**

**15" Surface Casing @ 125'**  
**5. Perf & Sqz 34 sx cmt @ 279'-179'. WOC & Tag (Surf Casing Shoe)**

**Est TOC 7" @ 890'**  
**4. Spot 25 sx cmt @ 940'-840'. WOC & Tag. (Est TOC 7" csg)**

**3. Spot 25 sx cmt @1285'-1185'. WOC & Tag. (Rustler T-salt)**

**2. Spot 25 sx cmt @2674'-2420'. WOC & Tag. (Yates/ Transil (B-salt))**

**1. Set CIBP @ 3400'. Spot 25 sx through tubing. WOC & Tag. Complete witnessed 500# pressure test.**

**7" Production Casing 0'- 3454'**

**6.25" Open Hole 3454'-3680'**

Formation Tops:	
<b>Rustler (T-Salt)</b>	1235
<b>Transil (B-Salt)</b>	2470
<b>Yates</b>	2624'*
<b>7Rivers</b>	2830'*
<b>Queen</b>	3394'*
<b>Delaware</b>	

\* Used offset well LMPSU #522

PBTD 3680'  
 TD 3680'

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 Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

COMMENTS

Action 179075

**COMMENTS**

Operator: LEGACY RESERVES OPERATING, LP 15 Smith Road Midland, TX 79705	OGRID: 240974
	Action Number: 179075
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**COMMENTS**

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	2/3/2023

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**CONDITIONS**

Created By	Condition	Condition Date
kfortner	See attached COA	2/3/2023