

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

**HOBBS OCD**

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

MAY 18 2016

RECEIVED

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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.)		WELL API NO. 30-025-32855
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator LEGACY RESERVES OPERATING LP		6. State Oil & Gas Lease No. 306443
3. Address of Operator PO BOX 10848, MIDLAND, TX 79702		7. Lease Name or Unit Agreement Name COOPER JAL UNIT
4. Well Location Unit Letter <u>D</u> : <u>825</u> feet from the <u>NORTH</u> line and <u>330</u> feet from the <u>WEST</u> line Section <u>25</u> Township <u>24S</u> Range <u>36E</u> NMPM County <u>LEA</u>		8. Well Number 415
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3307' GL		9. OGRID Number 240974
		10. Pool name or Wildcat Jalmat; T-Y-7R/Langlie Mattix; 7R-Q-G

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
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.

The well is uneconomic to produce at this time. Because of the current economic conditions at this time all future development plans for the field are on hold. When we increase our injection well density this well will benefit greatly from the increased movement of fluids. We are requesting to be granted a 5yr TA status for this well.

**Procedure:**

Pull out and lay down production equipment. Set CIBP @ 2925' and cap with 10' cement. Pressure test.

3 YEARS

35'

**Condition of Approval: notify**

**OCD Hobbs office 24 hours**

**prior of running MIT Test & Chart**

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 [Signature] TITLE OPERATIONS ENGINEER DATE 05/16/2016

Type or print name JOHN SAENZ E-mail address: jsaenz@legacyp.com PHONE: 432-689-5200

**For State Use Only**

APPROVED BY: [Signature] TITLE Dist. Supervisor DATE 5/20/2016  
Conditions of Approval (if any):

**Legacy Reserves**  
**DAILY OPERATIONS REPORT**

**COOPER JAL UNIT # 415**

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**COOPER JAL UNIT # 415**

LEA Co., NM

BOLO ID: 300658.19.10

Zone:

**Rod part - will not fix due to economics. TA well.**

Dec 11, 2015 Friday (Day 1)

Anchors tested.

Daily Cost: \$1,134

Cum. Cost: \$1,134

Feb 10, 2016 Wednesday (Day 2)

MIRU. Unhung well, POOH, laying down rods. Laid down pol rod and liner. 48 - 1", 36 - 7/8. 7/8 pin break.

Daily Cost: \$1,050

Cum. Cost: \$2,184

Feb 11, 2016 Thursday (Day 3)

Opened well up, unflanged wellhead. NU BOP. Swabbed tubing. Pulled 52 jts of tubing to rod part. Latched on to rods, unset pump. POOH and laid down 34 - 7/8 rods, 24 - 1 1/2 kbars and pump. Pulled the rest of tbg out, laid down TAC. RU wireline, RIH with guage ring. POOH then RIH and set CIBP at 2925' with 10' of cmt. RIH with 55 jts opened ended. Laid down 60 jts. Secured well, shut down.

Daily Cost: \$6,608

Cum. Cost: \$8,792

Feb 12, 2016 Friday (Day 4)

Drove to location, open well up. Rigged up pump truck on tubing. Circulated 110bbls of packer fluid up the casing. Then tied truck to casing and pressured up to 550 psi. Ran a chart for thirty minutes. Held good. RD pump truck, opened well up. Pulled and laid down 48 jts of tubing. Flanged up wellhead with 8 x 2 7/8 sub. Rigged down, cleaned location. Shut down until Tuesday.

Daily Cost: \$4,782

Cum. Cost: \$13,574



WELLBORE SCHEMATIC AND HISTORY			
CURRENT COMPLETION SCHEMATIC		LEASE NAME	
<div>Surface Csg</div> <div>Hole Size: 8 5/8 in</div> <div>Csg. Size: 8 5/8 in</div> <div>Set @: 420 ft</div> <div>Six Cmt: 250</div> <div>Circ: Yes</div> <div>TOC @: surf</div> <div>TOC by: circ</div>		Cooper Jal Unit	
		WELL NO. 415	
		STATUS: Active	
		OIL	
		API# 30-025-32855	
LOCATION: 825 FNL & 330 FWL, Sec 25, T - 24S, R - 36E; Lee County, New Mexico		SPUD DATE: 05/31/95	
INT. COMP. DATE: 07/30/95		PBD 3784	
ELECTRIC LOGS:		GEOLOGICAL DATA	
Temperature Survey (6-6-95 Halliburton)		CORES, DST'S or MUD LOGS:	
SDL - DSN - CSNG from 3830 - 400' (6-5-95 Halliburton)			
DLL - MSFL - Sonic from 3830 - 2700' (6-5-95 Halliburton)			
HYDROCARBON BEARING ZONE DEPTH TOPS:			
Yates @ 3032'		7-Rivers @ 3241'	
Queen @ 3640'			
CASING PROFILE			
SURF. 8 5/8" - 24#, WC-50, ST&C set @ 420'. Cmt'd w/250 sxs - circ cmt to surface.			
PROD. 5 1/2" - 15.5#, WC-50, LT&C set @ 3825' Cmt'd w/7250 sxs - TOC @ 1150' from surface by Temperature Survey.			
LINER: None			
CURRENT PERFORATION DATA		OPEN HOLE :	
CSG. PERFS:			
12-Jun-95 Perf'd Langlie Mattix 1/3540 - 43', 3556 - 62', 3640 - 46', 3706 - 10' w/ 4 spt			
12-Jun-95 Perf'd Jalmat 1/ 3078 - 3090' w/ 4 spt (56 holes total)			
30-Jul-96 Perf'd Jalmat 1/ 3038 - 48', 3054 - 58', 3111 - 20', 3154 - 58', 3302 - 04', & 3374'-78' w/ 4 spt (156 holes total).			
11-Apr-07 Perf'd Queen 1/ 3774'-78', 3752'-55', 3736'-40', 3724'-27', 3714'-16' & 3700'-03'; Perf'd U. 7-R 1/ 3508'-15';			
Perf'd Yates 1/ 3302'-05', 3334'-40', 3222'-26', 3173'-77', 3164'-67' & 3136'-40', 50 feet,			
TUBING DETAIL		ROD DETAIL	
9/13/11		9/14/11	
Length (ft) Detail		Length (ft) Detail	
2800 89 2 7/8", 6.5# Super Max tbg		20 1 26' x 1 1/4" polish rod w/ 7/8" Pin	
3 1 2 7/8" x 5 1/2" TAC		0 1 1 1/4" x 1 1/2" x 14' liner	
940 30 2 7/8", 6.5# Super Max tbg		12 3 2', 4', 6' - 1" pony rods	
1 1 2 7/8" SN		1225 49 1" steel rods	
4 1 4" Perf Sub w/ Bull Plug		1850 74 7/8" K bars w/ On/Off Tool	
31 1 2 7/8" OEMA		600 24 1 1/2" K bars w/ On/Off Tool	
3779		20 1 2 1/2" x 2" X 20' RHBC - HVR w/ 6' GA	
		0 1 1 1/4" x 1' Strainer Nipple	
		3727 btm	
WELL HISTORY SUMMARY			
12-Jun-95 Perf'd L. M. (Queen) 1/ 3540'-3710'. Acct'd w/ 2,000 gals 7 1/2% NEFE HCL & Frac'd w/ 43,600 gals 35# XL 2% KCl carrying 150,000#s 16/30 brady sand. Perf'd Yates 1/ 3076'-90'. Acct'd w/ 3,000 gals 7 1/2% NEFE HCL & Frac'd w/ 43,000 gals 35# XL 2% KCl carrying 220,000#s sand. IP=46 bopd, 42 bwpd, & 40 Mcfgpd (pumping)			
30-Jul-96 Perf'd Jalmat (Yates) 1/ 3038'-48', 3054'-58', 3111'-20', 3154'-58', 3302'-04', & 3374'-78' w/ 4 spt (156 holes). Acct'd perfs 3111'-3378' w/ 1,800 gals 15% NEFE HCL dropping 130 7/8" RCN Ball Sealers. AIR= 10 bpm @ 1900 psig. ISIP= vacuum. Acct'd perfs 3038'-3058' with 1,200 gals 15% NEFE HCL dropping 90 7/8" RCN Ball Sealers. AIR= 10 bpm at 1950 psig. ISIP= 570 psi. P5min= vacuum. Commingle all perfs 3038'-3710'. Before WO: 8 bopd, 50 bwpd, & 20 mcfcpd.			
After WO: 14 bopd, 52 bwpd & 29 Mcfgpd.			
11-Mar-97 Replaced 67 rods. Returned well to production.			
24-Apr-97 Replaced 67 rods. Returned well to production.			
24-Apr-97 Replaced PC pump with conventional rod pump. Returned well to production.			
12-Apr-99 C/O fill from 3711 - 3720' (9'). Replaced 50 jts tbg & 40 3/4" rod boxes. Returned well to production.			
27-Sep-01 Replaced rod pump. Returned to production.			
11-Apr-07 POOH w/ rods, pump & rods. RIH w/ 4 3/4" Mill Tooth bit, on 2 7/8" work string. Tagged at 3673'. C/O to 3730'. Circ'd formation sa scale, iron sulfite & metal. C/O 1/ 3725' to 3784', recovered formation sand, scale iron sulfite, BS & metal. RIH with 5 1/2" AST PKI set at 2994', test casing to 500# - okay. Perf'd Queen 1/ 3774'-78', 3752'-55', 3736'-40', 3724'-27', 14'-16' & 3700'-03'; Perf'd Upp 7-Rivers 1/ 3508'-15'; Perf'd Yates 1/ 3302'-05', 34'-40', 3222'-26', 3173'-77', 64'-67' & 36'-40', 50 feet, 150 holes. CO2 Foam Acid Frac the Langlie Mattix (3508'-3778') w/ 160 bbls 15% NEFE acid + 44 Tons CO2 diverted w/ 6000# rock salt. AIR= 13.6 BPM. Pmax= 5001#, Pavg= 3438'. ISIP= 471#. CO2 Foam Acid Frac Jalmat (3302'-3378') w/ 262 bbls 15% NEFE acid + 131 Tons CO2 diverting w/ 9000# RS. AIR= 18.3 bpm. Pmax= 5090#. Pavg= 4151#. ISIP= 823#. Next day SITP= 700 psig. Flow test for 9 hours: 29 bbls, show of oil and gas. FTP= 525#. SION. Next day SITP= 700#. Flow test for 9 hours: 38 bbls fluid w/ 5% oil cut z77 gas show. Ending FTP= 100#. SION. Next day, killed well. POOH w/ frac tubing & PKR. RIH Prod string. PWOP.			
05-Jun-09 POOH w/ rods, pump & tubing. RIH w/ Gray Wireline Tag Bar. Tagged @ 3784'. RIH with Pressure Gradient Tool, took reading ev 500'. Hydrotest tubing in hole to 7000#. RIH with pump and rods. Pressure @ 3,000' = 316 psig. PWOP.			
19-Aug-10 POOH with fods, pump and tubing. Hydrotest tubing to 7,000 psig - found hole on joint above SN and collar leak on 10th joint. RIH with pump and rods. Load tubing with 13 bbls water and test pump to 500 psig - good pump action. PWOP.			
25-Jul-11 POOH with rods and pump. Replaced pump. RIH with pump and rods. PWOP.			
12-Sep-11 POOH w/ rods, pump & tubing. Ran Press Gradient Survey. Tagged @ 3784'. Hydrotest tubing to 7,000#. RIH w/ plunger & rods.			
11-Sep-12 POOH with parted 107th - 7/8" (uncrewed pin). Replaced bad pin. PWOP.			
Production Csg			
Hole Size: 7 7/8 in			
Csg. Size: 5 1/2 in			
Set @: 3825 ft			
Six Cmt: 725			
Circ: Yes			
TOC @: 1150 ft/surf			
TOC by: TS			
New Perfs			
3136'-40'		Yates @ 3032'	
3173'-77'		3038'-48'	
3222'-26'		3054'-58'	
2234'-40'		3076'-90'	
3302'-05'		3111'-20'	
		3154'-58'	
		7-R @ 3241'	
		3302'-04'	
		3374'-78'	
3508'-15'		3540'-43"	
		3556'-62'	
		Queen @ 3640'	
		3640'-46'	
3700'-03'		3706'-10'	
3714'-16'			
3724'-27'			
3736'-40'			
3752'-55'			
3774'-78'			
PBD: 3784 ft			
TD: 3825 ft			
PREPARED BY: Larry S. Adams Domingo Carrizales UPDATED: 12-Sep-12			