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

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

Form C-103
Revised July 18, 2013

WELL API NO. **30-025-32855**
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name **Cooper Jal Unit**
8. Well Number **#415**
1. Type of Well: Oil Well ☒ Gas Well ☐ Other
2. Name of Operator **Legacy Reserves Operating LP**
9. OGRID Number **240974**
3. Address of Operator **P.O. Box 10848, Midland, TX 79702**
10. Pool name or Wildcat **Jalmat; Tan-Yates 7Rvrs**
4. Well Location
Unit Letter **D** : **825** feet from the **N** line and **330** feet from the **W** line
Section **25** Township **24S** Range **36E** NMPM County **Lea**
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* **3307' GR**

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☒	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			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. **Tag existing 5 ½" CIBP @ 2925 w/ 35' cmt cap on top. Circulate hole w/ MLF. Pressure test csg.**
2. **Spot 25 sx cmt @ 1460-1260'. WOC & Tag (T/Salt)**
3. **Perf & Sqz 100 sx cmt @ 470' to surface.**
4. **Cut off well head, verify cmt to surface, weld on Dry Hole Marker.**

4" diameter 4' tall Above Ground Marker

SEE ATTACHED CONDITIONS OF APPROVAL

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 Compliance Coordinator DATE 3/12/2021

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 5/4/21
Conditions of Approval (if any):

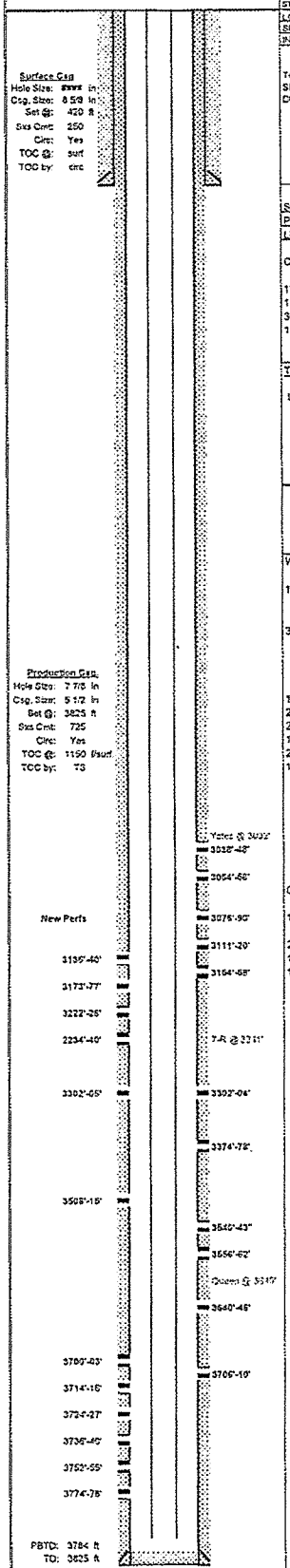
WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME:	Cooper Jal Unit	WELL NO:	415
STATUS:	Active Oil	API#:	30-025-32855
LOCATION:	825 FNL & 330 FWL Sec 25, T- 24S, R- 36E; Lea County, New Mexico		
SPUD DATE:	05/31/95 TD: 3825	KB: 3,327'	DF:
INT. COMP. DATE:	02/09/95 PBTD: 3784	GL: 3,307'	

Surface Csg
Hole Size: ##### in
Csg. Size: 8 5/8 in
Set @: 420 ft
Sks Cmt: 250
Circ: Yes
TOC @: surf
TOC by: circ

Production Csg.
Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3825 ft
Sks Cmt: 725
Circ: Yes
TOC @: 1150 ft/surf
TOC by: TS



PBTD: 3784 ft
TD: 3825 ft

GEOLOGICAL DATA

ELECTRIC LOGS:
Temperature Survey (6-6-95 Halliburton)
SDL - DSN - CSNG from 3830 - 400' (6-5-95 Halliburton)
DLL - MSFL - Sonic from 3830 - 2700' (6-5-95Halliburton)

CORES, DST'S, or MUD LOGS:

MYDDCARROW BEARING ZONE DEPTH TOPS:

Yates @ 3032' 7-Rivers @ 3241' Queen @ 3640'

CASING PROFILE

SURF: 8 5/8" - 24# WC-50, ST&C set@ 420'. Cm'd w/250 sxs - circ cmt to surface.
PROD: 5 1/2" - 15.5# WC-50, LT&C set@ 3825'. Cm'd w/725 sxs - TOC @ 1150' from surface by Temperature Survey.
LINER: None

CURRENT PERFORATION DATA

CSG. PERFS: OPEN HOLE :

12-Jun-95 Perf'd Langlie Mattix f/3540 - 43', 3556 - 62', 3640 - 46', 3706 - 10' w/ 4 spf
12-Jun-95 Perf'd Jalmat f/ 3076 - 3090' w/ 4 spf (56 holes total)
30-Jul-96 Perf'd Jalmat f/ 3038 -48', 3054 - 58', 3111 - 20', 3154 - 58', 3302 - 04', & 3374'-78' w/ 4 spf (156 holes total).
11-Apr-97 Perf'd Queen f/ 3774'-78', 3752'-55', 3736'-40', 3724'-27', 3714'-16' & 3700'-03'; Perf'd U. 7-R f/ 3505'-15'; Perf'd Yates f/ 3302'-05', 3334'-40', 3222'-26', 3173'-77', 3164'-67' & 3135'-40', 50 feet.

TUBING DETAIL 9/13/11

Length (ft)		Detail
2900	89	2 7/8", 6.5# Super Max tbg
3	1	2 7/8" x 5 1/2" TAC
940	30	2 7/8", 6.5# Super Max tbg
1	1	2 7/8" SN
4	1	4' Perf Sub w/ Bull Plug
31	1	2 7/8" OEMA
3779		

ROD DETAIL 9/14/11

Length (ft)		Detail
20	1	26' x 1 1/4" polish rod w/ 7/8" Pin
0	1	1 1/4" x 1 1/2" x 14' liner
12	3	2', 4', 6' - 1" pony rods
1225	49	1" steel rods
1850	74	7/8" K bars w/ On/Off Tool
600	24	1 1/2" K bars w/ On/Off Tool
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)f/ 3540-3710'. Acdz'd w/ 2,000 gals 7 1/2% NEFE HCL & Frac'd w/43,600 gals 35# XL 2% KCl carrying 150,000#'s 18/30 brady sand. Perf'd Yates f/ 3076'-90'. Acdz'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=45 bopd, 42 bwpd, & 40 Mcfgpd (pumping)
30-Jul-96 Perf'd Jalmat (Yates) f/ 3038'-48', 3054'-58', 3111'-20', 3154'-58', 3302'-04', & 3374'-78' w/ 4 spf (156 holes). Acdz'd perfs 3111'-3378' w/1,800 gals 15% NEFE HCL dropping 130 7/8" RCN Ball Sealers. AIR= 10 bpm @ 1600 psig. ISIP= vacuum. Acdz'd perfs 3038'-3056' with 1,200 gals 15% NEFE HCL dropping 90 7/8" RCN Ball Sealers. AIR= 10 bpm at 1950 psig. ISIP= 570 psi. PSrin=vacuum. Commingle all perfs 3038'-3710'. Before WO: 8 bopd, 50 bwpd, & 20 mcfgpd. 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 sand scale, iron sulfite & metal. C/O f/ 3725' to 3784', recovered formation sand, scale iron sulfite, BS & metal. RIH with 5 1/2" AST PKR. And set at 2934', test casing to 500# - okay. Perf'd Queen f/ 3774'-76', 3752'-55', 3736'-40', 3724'-27', 14'-15' & 3700'-03'; Perf'd Upper 7-Rivers f/ 3508'-15', Perf'd Yates f/ 3302'-05', 34'-40', 3222'-26', 3173'-77', 64'-67' & 35'-40', 50 feet, 150 holes. CO2 Foam Acid Frac the Langlie Mattix (3508'-3775') w/150 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'-3776') w/ 262 bbls 15% NEFE acid + 131 Tons CO2 diverting w/5000# RS. AIR= 18.3 bpm, Pmax= 5096#. Pavg= 4151#. ISIP= 823#. Next day SITP= 700 psig. Flow test for 9 hours: 29 bbls, show of oil and gas. FTP= 525#. SIGN. Next day SITP= 700#. Flow test for 9 hours: 38 bbls fluid w/ 5% oil cut zz7 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 every 500'. Hydrotest tubing in hole to 7000#. RIH with pump and rods. Pressure @ 3,000' = 318 psig. PWOP.
18-Aug-10 POOH with rods, 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. PWOP.
11-Sep-12 POOH with parted 107th - 7/8" (uncrewed pin). Replaced bad pin. PWOP.

PREPARED BY: Larry S. Adams Domingo Carrizales UPDATED: 12-Sep-12

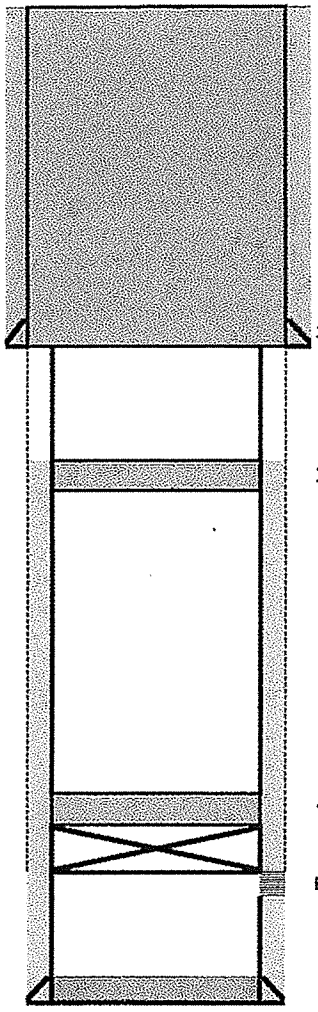
Anhy- 1199'
T/Salt- 1910
B/Salt- 2875
Yates- 3018
7 Rvs- 3241
Queen- 3640
SA - 3826

32.1932983
-103.2262726

Legacy- Proposed

Author:	Abby-BCM & Associates, Inc		
Well Name	Cooper Jal Unit	Well No.	#415
Field/Pool	Jalmat; Tan-T-7Rvs-Langlie Mattix; Q-Ggbg	API #:	30-025-32855
County	Lea	Location:	Sec 25, T24S, R36E
State	New Mexico		825' FNL & 330' FWL
Spud Date	5/31/1995	GL:	3307

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	8 5/8		24#	420	11	250	Circ'd
Prod Csg	5 1/2		15.5#	3,825	7 7/8	7,250	1150' TS



8 5/8 24# CSG @ 420
Hole Size: 11

Anhy- 1199
T/Salt- 1410
B/Salt- 2875
Yates-3018
7 Rvs- 3241
Queen- 3640
SA- 3826

3. Perf & Sqz 100 sx cmt @ 470' to surface.

2. Spot 25 sx cmt @ 1460-1260'. WOC & Tag (T/Salt)

1. Tag existing 5 ½" CIBP @ 2925 w/ 35' cmt cap on top. Circulate hole w/ MLF. Pressure test csg.

Perfs @ 3038-3778'

5 1/2 15.5# CSG @ 3,825
Hole Size: 7 7/8

TD @

C:\Scans\Wellbores\Legacy Cooper Jal Unit 415 WBD

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, woe 4 hours and tag, this plug will be SO' 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, woe and tagged. These plugs will be set SO' below formation bottom to 50' above formation top inside the casing.

DRY HOLE MARKER REQ.UIRMENTS

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 least¼" 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 AND HISTORY

CURRENT COMPLETION SCHEMATIC

LEASE NAME:	Cooper Jal Unit			WELL NO.	415
STATUS:	Active	Oil		API#	30-025-32855
LOCATION:	825 FNL & 330 FWL Sec 25, T- 24S, R- 36E; Lea County, New Mexico				
SPUD DATE:	05/31/95	TD	3825	KB	3,327'
INT. COMP. DATE:	02/09/95	PBTD	3784	GL	3,307'

DF

GEOLOGICAL DATA

ELECTRIC LOGS:
Temperature Survey (6-6-95 Halliburton)
SDL - DSN - CSNG from 3830 - 400' (6-5-95 Halliburton)
DLL - MSFL - Sonic from 3830 - 2700' (6-5-95Halliburton)

CORES, DST'S, or MUD LOGS:

MYROCARRON BEARING ZONE DEPTH TOPS:

Yates @ 3032' 7-Rivers @ 3241' Queen @ 3640'

CASING PROFILE

SURF. 8 5/8" - 24# WC-50, ST&C set@ 420'. Cm'd w/250 sxs - circ cmt to surface.
PROD. 5 1/2" - 15.5# WC-50, LT&C set@ 3825' Cm'd w/725 sxs - TOC @ 1150' from surface by Temperature Survey.
LINER. None

CURRENT PERFORATION DATA

CSG. PERFS: OPEN HOLE :

12-Jun-95 Perf'd Langlie Mattix f/3540 - 43', 3556 - 62', 3640 - 46', 3706 - 10' w/ 4 spf
12-Jun-95 Perf'd Jalmat f/ 3076 - 3090' w/ 4 spf (56 holes total)
30-Jul-96 Perf'd Jalmat f/ 3038 -48', 3054 - 58', 3111 - 20', 3154 - 58', 3302 - 04', & 3374'-78' w/ 4 spf (156 holes total).
11-Apr-97 Perf'd Queen f/ 3774'-76', 3752'-55', 3736'-40', 3724'-27', 3714'-16' & 3700'-03'; Perf'd U. 7-R f/ 3506'-15'; Perf'd Yates f/ 3302'-05', 3334'-40', 3222'-26', 3173'-77', 3164'-67' & 3135'-40', 50 feet.

TUBING DETAIL 9/13/11

Length (ft)		Detail
2900	89	2 7/8", 6.5# Super Max tbg
3	1	2 7/8" x 5 1/2" TAC
940	30	2 7/8", 6.5# Super Max tbg
1	1	2 7/8" SN
4	1	4' Perf Sub w/ Bull Plug
31	1	2 7/8" OEMA
3779		

ROD DETAIL 9/14/11

Length (ft)		Detail
20	1	26' x 1 1/4" polish rod w/ 7/8" Pin
0	1	1 1/4" x 1 1/2" x 14' liner
12	3	2', 4', 6' - 1" pony rods
1225	49	1" steel rods
1850	74	7/8" K bars w/ On/Off Tool
600	24	1 1/2" K bars w/ On/Off Tool
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)f/ 3540-3710'. Acdz'd w/ 2,000 gals 7 1/2% NEFE HCL & Frac'd w/43,600 gals 35# XL 2% KCl carrying 150,000#'s 18/30 brady sand. Perf'd Yates f/ 3076'-90'. Acdz'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=45 bopd, 42 bwpd, & 40 Mcfgpd (pumping)
30-Jul-96 Perf'd Jalmat (Yates) f/ 3038'-48', 3054'-58', 3111'-20', 3154'-58', 3302'-04', & 3374'-78' w/ 4 spf (156 holes). Acdz'd perfs 3111'-3378' w/1,800 gals 15% NEFE HCL dropping 130 7/8" RCN Ball Sealers. AIR= 10 bpm @ 1600 psig. ISIP= vacuum. Acdz'd perfs 3038'-3056' with 1,200 gals 15% NEFE HCL dropping 90 7/8" RCN Ball Sealers. AIR= 10 bpm at 1950 psig. ISIP= 570 psi. PSrain=vacuum. Commingle all perfs 3038'-3710'. Before WO: 8 bopd, 50 bwpd, & 20 mcfgpd. 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 sand scale, iron sulfite & metal. C/O f/ 3725' to 3784', recovered formation sand, scale iron sulfite, BS & metal. RIH with 5 1/2" AST PKR. And set at 2934', test casing to 500# - okay. Perf'd Queen f/ 3774'-76', 3752'-55', 3736'-40', 3724'-27', 14'-16' & 3700'-03'; Perf'd Upper 7-Rivers f/ 3506'-15', Perf'd Yates f/ 3302'-05', 34'-40', 3222'-26', 3173'-77', 64'-67' & 35'-40', 50 feet, 150 holes. CO2 Foam Acid Frac the Langlie Mattix (3506'-3776') w/150 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/5000# RS. AIR= 18.3 bpm, Pmax= 5096#. Pavg= 4151#. ISIP= 823#. Next day SITP= 700 psig. Flow test for 9 hours: 29 bbls, show of oil and gas. FTP= 525#. SIGN. Next day SITP= 700#. Flow test for 9 hours: 38 bbls fluid w/ 5% oil cut zz7 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 every 500'. Hydrotest tubing in hole to 7000#. RIH with pump and rods. Pressure @ 3,000' = 318 psig. PWOP.
18-Aug-10 POOH with rods, 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. PWOP.
11-Sep-12 POOH with parted 107th - 7/8" (uncrewed pin). Replaced bad pin. PWOP.

Surface Csg
Hole Size: xxxx in
Csg. Size: 8 5/8 in
Set @: 420 ft
Sks Cmt: 250
Circ: Yes
TOC @: surf
TOC by: circ

Production Csg.
Hole Size: 7 7/8 in
Csg. Size: 5 1/2 in
Set @: 3825 ft
Sks Cmt: 725
Circ: Yes
TOC @: 1150 f/surf
TOC by: TS

Yates @ 3032'
3038'-48'
3054'-58'
New Perfs
3076'-90'
3111'-20'
3135'-40'
3154'-58'
3164'-67'
3173'-77'
3222'-26'
3224'-40'
7-R @ 3241'
3302'-05'
3302'-04'
3374'-78'
3506'-15'
3540'-43'
3556'-62'
Queen @ 3640'
3640'-46'
3700'-03'
3706'-10'
3714'-16'
3724'-27'
3736'-40'
3752'-55'
3774'-76'

PBTD: 3784 ft
TD: 3825 ft

PREPARED BY: Larry S. Adams Domingo Carrizales UPDATED: 12-Sep-12

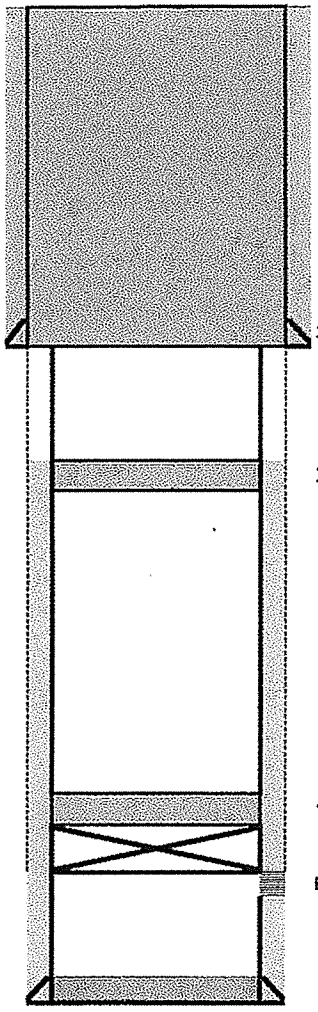
Anhy- 1199'
T/Salt- 1410
B/Salt- 2875
Yates- 3018
7 Rvs- 3241
Queen- 3640
SA - 3826

32.1932983
-103.2262726

Legacy- Proposed

Author:	Abby-BCM & Associates, Inc		
Well Name	Cooper Jal Unit	Well No.	#415
Field/Pool	Jalmat; Tan-T-7Rvs-Langlie Mattix; Q-Ggbg	API #:	30-025-32855
County	Lea	Location:	Sec 25, T24S, R36E
State	New Mexico		825' FNL & 330' FWL
Spud Date	5/31/1995	GL:	3307

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	8 5/8		24#	420	11	250	Circ'd
Prod Csg	5 1/2		15.5#	3,825	7 7/8	7,250	1150' TS



8 5/8 24# CSG @ 420
Hole Size: 11

Anhy- 1199
T/Salt- 1410
B/Salt- 2875
Yates-3018
7 Rvs- 3241
Queen- 3640
SA- 3826

3. Perf & Sqz 100 sx cmt @ 470' to surface.

2. Spot 25 sx cmt @ 1460-1260'. WOC & Tag (T/Salt)

1. Tag existing 5 ½" CIBP @ 2925 w/ 35' cmt cap on top. Circulate hole w/ MLF. Pressure test csg.

Perfs @ 3038-3778'

5 1/2 15.5# CSG @ 3,825
Hole Size: 7 7/8

TD @

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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 20670

COMMENTS

Operator:	OGRID:	Action Number:	Action Type:
LEGACY RESERVES OPERATING, LP 15 Smith Road Suite 3000 Midland, TX79705	240974	20670	C-103F

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	05/05/2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
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

CONDITIONS

Action 20670

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
LEGACY RESERVES OPERATING, LP 15 Smith Road Suite 3000 Midland, TX79705	240974	20670	C-103F

OCD Reviewer	Condition
kfortner	See attached conditions of approval