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.
30-025-38180

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.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

7. Lease Name or Unit Agreement Name
Cooper Jal Unit

8. Well Number **#501**

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
Rvrs-Q-G

4. Well Location
Unit Letter **D** : **1310** feet from the **N** line and **1248** feet from the **W** line
Section **18** Township **24S** Range **37E** NMPM County **Lea**

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3300' 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.

Drill out existing CIBP & cement Spot 50 sx Class C 3668 WOC & tag

1. ~~Tag existing 5 ½" CIBP @ 3300' w/ 35' cmt cap on top.~~ **Circulate hole w/ MLF. Pressure test csg.**
2. **Spot 25 sx cmt @ 3030-2830'. WOC & Tag (Yates)**
3. **Spot 25 sx cmt @ 1300-1100'. WOC & Tag**
4. **Perf & Sqz 100 sx cmt @ 465' to surface.**
5. **Cut off well head, verify cmt to surface, weld on Dry Hole Marker.**

4" diameter 4' tall 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

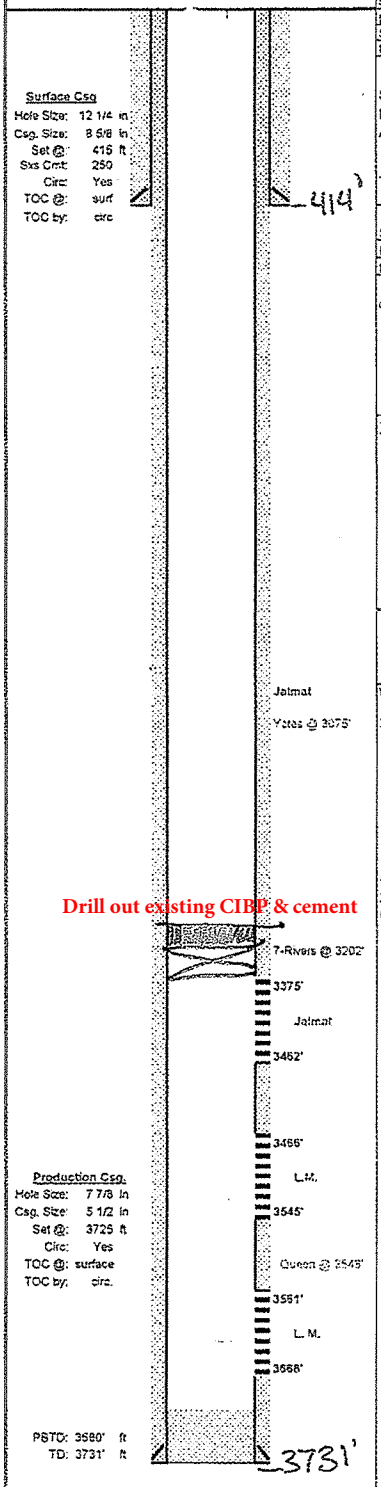
Type or print name Melanie Reyes E-mail address: mreyes@legacyreserves.com PHONE: (432) 221-6358

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 5/7/21
Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC



LEASE NAME	Cooper Jal Unit	WELL NO.	501
STATUS:	Active Oil	API#	30-025-38180
LOCATION:	1310 FNL & 1248 FWL Sec 16 Unit D T - 24-S R - 37 E Lea County, New Mexico		
SPUD DATE:	11/29/06 TD 3731'	KB 3,313'	DF 3312'
INT. COMP. DATE:	PBTD 3560'	GL 3,300'	KB 13'

GEOLOGICAL DATA

ELECTRIC LOGS:

Spectral-PE-Density-CNL from 3695 - 100' (12-08-06 Weatherford)
Dual-Laterolog, Micro Laterolog from 3722 - 410' (12-08-06 Weatherford)
Acoustic CBL, GR-CCL from 2500 - 2470' (1-27-07 Gray Wireline)

CORES, DSTS, or MUD LOGS:

HYDROCARBON BEARING ZONE DEPTH TOPS:

Tansill @ 2810' Yates @ 2968' Upper 7-Rivers @ 3200' Lower 7 Rivers @ 3366' Queen @ 3560'

CASING PROFILE

SURF. 8 5/8" - 24#, WC-50, ST&C set@ 415'. Cmt'd w/250 sxs Class C w/ 2% CaCl - circ'd w/ 126 sx cmt to surface.
PROD. 5 1/2" - 15.5#, WC-50, LT&C set@ 3725' Cmt'd w/900 sxs 50/50 Poz C w/ 5% Salt + 300 sxs Poz C w/ 5% Salt -
LINER None circ 271 sx cmt to surf.

CURRENT PERFORATION DATA

CSG. PERFS:

OPEN HOLE:

15-Feb-07 Perf'd L. M., Queen f/ 3666-68', 3660-62', 3655-57', 3642-47', 3628-33', 3623-27', 3599'-3621', 3578'-88' & 3561'-3563', 3 SPF, 120 degrees 54", 162 holes.
20-Feb-07 Perf'd L. M. Lower 7-R f/ 3536'-45', 3505'-12', 3491'-95', 3466'-72', Jalmat 7-R f/3446'-62', 3396'-3426', & 3368'-3375', 3 spf, 120 degree phasing, 77', 231' holes.

TUBING DETAIL 6/17/11

Length (ft)		Detail
0		KB
3100	101	2 7/8" 6.5#, Super Max tbg.
3	1	2 7/8" x 5 1/2" TAC.
424	14	2 7/8" 6.5#, Super Max tbg.
31	1	2 7/8" x 3 1/2" S M Blast Joint
1	1	2 7/8" SN
4	1	2 7/8" Perf Sub w/ Ball Plug
31	1	2 7/8" OEMA Super Max
3594	btm	

ROD DETAIL 10/6/11

Length (ft)		Detail
20	1	26' x 1 1/2" polish rod w/ 7/8" Pin Spray Metal
0	1	1 1/4" x 1 1/2" x 14 Liner
18	3	4', 6', 8' - 7/8" pony rods
800	32	7/8" Newv KD rods
2250	90	3/4" New KD rods
450	18	7/8" Newv rods
1	1	on/off Tool
2	1	2' - 7/8" pony rod
20	1	2 1/2" x 1 1/2" X 20' pump w/ RH release
0	1	1 1/4" x 1' Strainer Nipple
3551		

WELL HISTORY SUMMARY

22-Feb-07 Ran CBL/GR-CCL from 3580-2470' & 220' to 15'. Perf'd L. M., Queen f/ 3666-68', 60-62', 55-57', 42-47', 28-33', 3623'-27', 3599'-3521', 78'-88', & 3561'-63', w/ 3 spf, (120 degree phasing) 54", 162 holes. Swabbed test Queen: 25 bbl in 1 hr. Shut In for 2 hrs - 0 psig. Foam Acid Frac'd Queen w/ 5,400 gals 15% NEFE + 52 Tons CO2 diverted w/ 4000# RS. AIR= 10.4 BPM. Pavg= 2951#. ISIP= 611#. Flowed well back: recovered 45 bbls, 10% oil cut in 9 hours. Good gas show. Perf'd L. M. Lower 7-Rivers f/ 3536'-45', 05'-12', 3491'-95', 66'-72', Jalmat, 7-R f/3446'-62', 3396'-3426' & 3368'-3374', 3 spf, 77', 231 holes. Foam Acid Frac'd Lower 7-R with 185 bbls 15% NEFE + 65 Tons CO2. Diverted w/ 6,000# RS. AIR= 11.1 bpm. Pavg= 2516#. ISIP= 490#. Flowed well back. 48 bbls, 2% oil cut, slight gas. RIH with 2 7/8" production tubing, pump and rods. PWOP. IP : 11 BOPD, 58 BWPD & 29 MCFPD.
16-Jun-11 POOH with production string. Hydrotest tubing to 7000# - found hole on blast joint, burst 4 jts. RIH with pump and rods. PWOP.
04-Aug-11 Test tubing to 500 psig - OK. POOH with rods & pump. Replace pump. PWOP.
29-Sep-11 POOH with parted 41th - 7/8" (body break). PWOP.
05-Oct-11 POOH with parted 41th - 7/8" (body break). Replaced 3 -3/4" rods (corrosion) and 6 - 3/4" boxes. PWOP.

CIBP set @ 3300' w/ 35' cmt on top.

Yates- 2968
7 Rvs- 3200
Queen- 3560

Spot 50 sx Class C 3668 WOC & tag

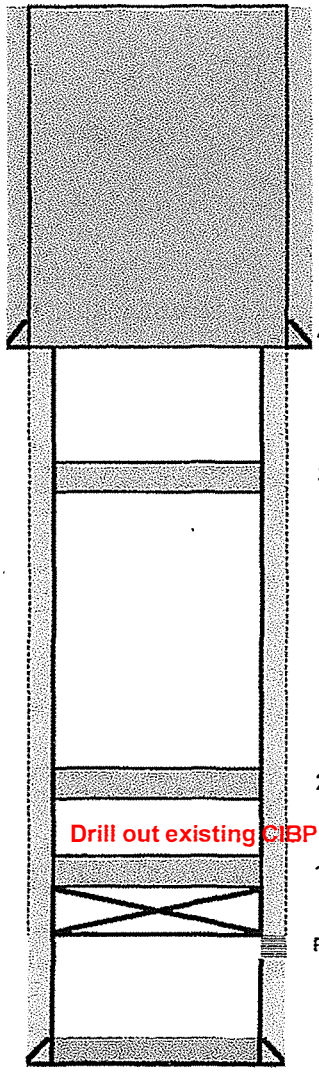
PREPARED BY:	Jim Kidd Domingo Carrizales	UPDATED:	28-Oct-11

32.2209587
-103.2062531

Legacy

Author:	Abby-BCM & Associates, Inc		
Well Name	Cooper Jal Unit	Well No.	#501
Field/Pool	Jalmat; Tan-T-7Rvs-Langlie Mattix; Q-Ggbg	API #:	30-025-38180
County	Lea	Location:	Sec 18, T24S, R37E
State	New Mexico		1310' FNL & 1248' FWL
Spud Date	11/29/2006	GL:	3300'

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	8 5/8		24#	414	12 1/4	250	Circ'd
Prod Csg	5 1/2		15.5#	3,731	7 7/8	1,200	Circ'd



8 5/8 24# CSG @ 414
Hole Size: 12 1/4

Yates- 2968
7 Rvs- 3200
Queen- 3560

4. Perf & Sqz 100 sx cmt @ 465' to surface.

3. Spot 25 sx cmt @ 1300-1100'. WOC & Tag

2. Spot 25 sx cmt @ 3030-2830'. WOC & Tag (Yates)

Drill out existing CIBP & cement

1. Tag existing 5 ½" CIBP @ 3300' w/ 35' cmt cap on top. Circulate hole w/ MLF. Pressure test csg.

Perfs @ 3375-3668'

Spot 50 sx Class C 3668 WOC & tag

5 1/2 15.5# CSG @ 3,731
Hole Size: 7 7/8

TD @

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

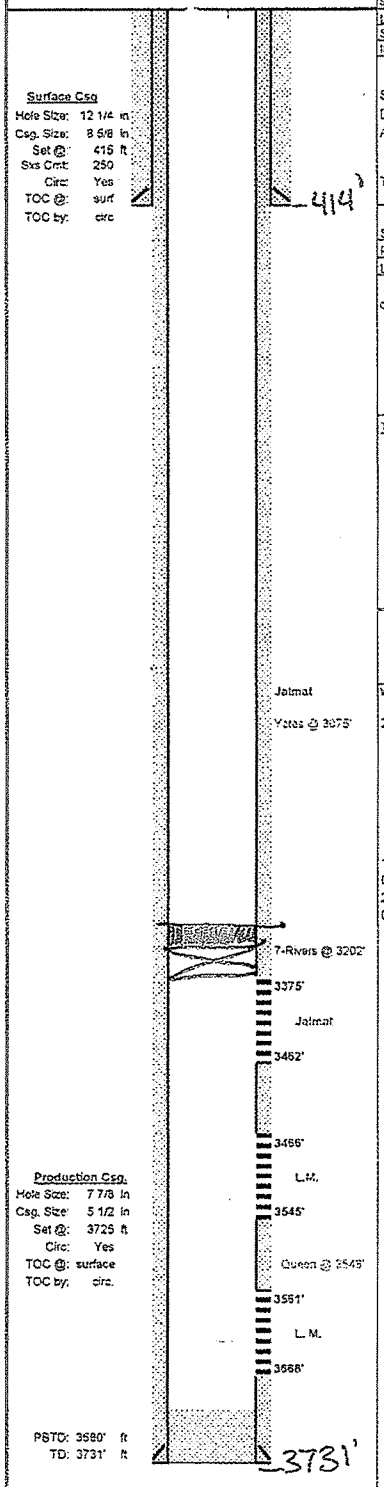
SPECIAL CASES -----AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

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.	501
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LOCATION:	1310 FNL & 1248 FWL Sec 16 Unit D T- 24-S R- 37 E Lea County, New Mexico		
SPUD DATE:	11/29/06 TD 3731'	KB 3,313'	DF 3312'
INT. COMP. DATE:	PBTD 3680'	GL 3,300'	KB 13'

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CASING PROFILE

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ROD DETAIL 10/6/11

Length (ft)		Detail
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2250	90	3/4" New KD rods
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3551		

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CIBP set @ 3300' w/ 35' cmt on top.

Yates- 2968
7 Rvs- 3200
Queen- 3560

PREPARED BY:	Jim Kidd	Domingo Carrizales	UPDATED: 28-Oct-11

32.2209587
-103.2062531

Legacy

Author:	Abby-BCM & Associates, Inc		
Well Name	Cooper Jal Unit	Well No.	#501
Field/Pool	Jalmat; Tan-T-7Rvs-Langlie Mattix; Q-Ggbg	API #:	30-025-38180
County	Lea	Location:	Sec 18, T24S, R37E
State	New Mexico		1310' FNL & 1248' FWL
Spud Date	11/29/2006	GL:	3300'

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
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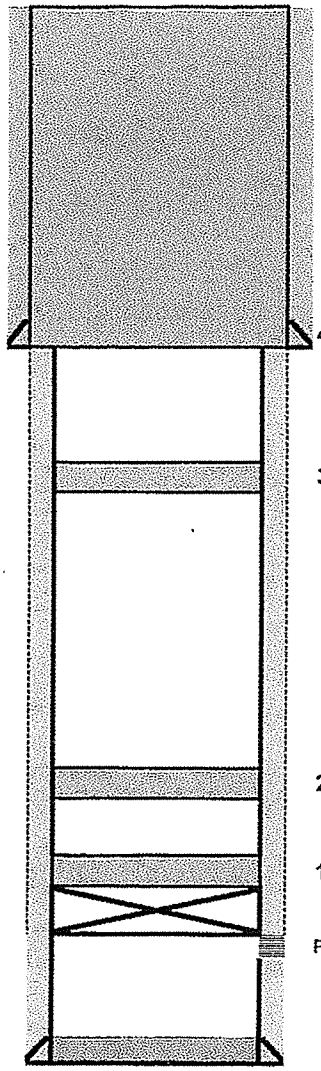
Prod Csg	5 1/2		15.5#	3,731	7 7/8	1,200	Circ'd



8 5/8 24# CSG @ 414
Hole Size: 12 1/4

Yates- 2968
7 Rvs- 3200
Queen- 3560

4. Perf & Sqz 100 sx cmt @ 465' to surface.

3. Spot 25 sx cmt @ 1300-1100'. WOC & Tag

2. Spot 25 sx cmt @ 3030-2830'. WOC & Tag (Yates)

1. Tag existing 5 ½" CIBP @ 3300' w/ 35' cmt cap on top. Circulate hole w/ MLF. Pressure test csg.

Perfs @ 3375-3668'

5 1/2 15.5# CSG @ 3,731
Hole Size: 7 7/8

TD @

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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 20668

COMMENTS

Operator:	OGRID:	Action Number:	Action Type:
LEGACY RESERVES OPERATING, LP 15 Smith Road Suite 3000 Midland, TX79705	240974	20668	C-103F

Created By	Comment	Comment Date
plmartinez	DATA ENTRY PM	05/11/2021

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

CONDITIONS

Action 20668

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
LEGACY RESERVES OPERATING, LP 15 Smith Road Suite 3000 Midland, TX79705	240974	20668	C-103F

OCD Reviewer	Condition
kfortner	See attached conditions of approval Note changes to procedure