

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING CALLED
BY THE OIL CONSERVATION DIVISION FOR
THE PURPOSE OF CONSIDERING:**

**APPLICATION OF LIME ROCK RESOURCES
II-A, L.P. FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

Case No. 20211

VERIFIED STATEMENT OF DOUG LACEY

Doug Lacey, being duly sworn upon his oath, deposes and states:

1. I am a landman for Lime Rock Resources II-A, L.P. ("Lime Rock"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.

2. Pursuant to Division Rules, the following information is submitted in support of the compulsory pooling application filed herein:

(a) The purpose of this application is to force pool royalty owners and overriding royalty interest owners into the horizontal spacing unit described below, and in a well to be drilled in the unit, for pooling designation purposes.

(b) No opposition is expected because the interest owners being pooled have simply failed to sign a pooling designation for the subject well unit.

(c) A Form C-102 outlining the well unit being pooled is attached as Attachment A. Lime Rock seeks an order pooling all interests in a 160-acre horizontal spacing unit in the Red Lake Glorieta-Yeso Pool comprised of the N/2 S/2 of Section 13, Township 18 South, Range 26 East, N.M.P.M., Eddy County, New Mexico. The unit will be dedicated to the Leavitt Well No. 13-4H, a horizontal well with a surface location in the NW/4 SW/4 of Section 18, Township 18 South, Range 27 East, N.M.P.M., with a first take point in the NE/4 SE/4 and a last take point in the NW/4 SW/4 of Section 13.

(d) The parties being pooled are listed on Attachment B. They are either royalty owners whose leases do not contain a pooling clause, or are overriding royalty interest owners. Lime Rock owns 100% of the working interest in the well unit.

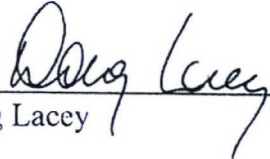
EXHIBIT /

- (e) Some of the interest owners being pooled are unlocatable. In order to locate the persons being pooled, Lime Rock reviewed its division order files on nearby wells, the pertinent county records, telephone records, and internet databases.
- (f) Lime Rock has made a good faith effort to obtain the voluntary joinder of interest owners in a pooling designation, or to locate the interest owners.
- (g) Lime Rock requests that it be designated operator of the well.
- (h) The attachments to this affidavit were prepared by me, or compiled from company business records.
- (i) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF HARRIS)

Doug Lacey, being duly sworn upon his oath, deposes and states that: He is a landman for Lime Rock Resources II-A, L.P.; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.



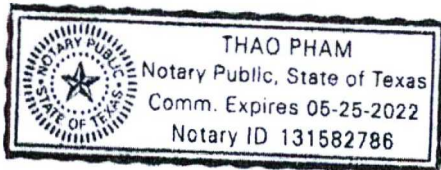
Doug Lacey

SUBSCRIBED AND SWORN TO before me this 22ND day of August, 2019 by Doug Lacey.

My Commission Expires: MAY 25, 2022



Notary Public



District I
1622 N. French Dr., Hobbs, NM 88241
Phone: (505) 393-6161 Fax: (505) 393-0720
District II
511 S. First St., Artesia, NM 88210
Phone: (505) 748-1293 Fax: (505) 748-9720
District III
1077 Rio Grande Road, Amos, NM 87110
Phone: (505) 334-0170 Fax: (505) 334-0170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-1460 Fax: (505) 476-1452

State of New Mexico

JAN 08 2019

Form C-102

Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

DISTRICT ARTESIA O&G

Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-45594		2 Pool Code 51120		3 Pool Name Red Lake; Glaviera - YESO	
4 Property Code 316765		5 Property Name LEAVITT 13			6 Well Number 4H
7 OGRID No. 277558		8 Operator Name LIME ROCK RESOURCES II-A, L.P.			9 Elevation 3293.2

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	18	18 S	27 E		1965	SOUTH	370	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	13	18 S	26 E		2140	SOUTH	100	WEST	EDDY

12 Dedicated Acres 160	13 Joint or Infill	14 Consolidation Code	15 Order No.
----------------------------------	--------------------	-----------------------	--------------

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

NOTE:
LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE.

BOTTOM OF HOLE
LAT. = 32.7461649 N
LONG. = 104.3435971 W
NUSP EAST (FT)
N = 635295.83
E = 538181.90

LANDING POINT
LAT. = 32.7461649 N
LONG. = 104.3435971 W
NUSP EAST (FT)
N = 635295.83
E = 538181.90

16 OPERATOR CERTIFICATION
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a ...
Signature: *Eric P. McClosky* 12/31/18
Printed Name: **Eric McClosky**
E-mail Address: **emcclosky@limerockresources.com**

17 SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.
DECEMBER 19, 2018
Date of Survey: *[Signature]*
Certificate Number: **ELIMON F JARAMILLO PLS 12797**
SURVEY NO: **6787**

ATTACHMENT A

2WP 1-9-19

Attachment B

Lorena Bailey Ennes
15411 South 184th Place
Queen Creek, AZ 85142

RI

Donald R. Fanning & Sons Inc.
50 Flemming Road
Artesia, NM 88210

RI & ORRI

Billy C. Norwood and
Betty R. Norwood,
d/b/a Norwood Oil Company
P.O. Box 1029
Malakoff, TX 75418

ORRI

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE HEARING CALLED
BY THE OIL CONSERVATION DIVISION FOR
THE PURPOSE OF CONSIDERING:**

**APPLICATION OF LIME ROCK RESOURCES
II-A, L.P. FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.**

Case No. 20211

VERIFIED STATEMENT OF STAN BISHOP

Stan Bishop, being duly sworn upon his oath, deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Lime Rock Resources II-A, L.P., and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.
3. The following plats are attached hereto:
 - (a) Attachment A is a base map highlighting the well unit and identifying other nearby producing Yeso wells.
 - (b) Attachment B is a map on top of the Yeso subsea structure. It shows that structure dips to the southeast. The approximate location of the lateral is also shown. Attachment C is the same plat showing a line of cross-section.
 - (c) Attachment D is an east-west cross section. The well logs on the cross-section give a representative sample of the Yeso formation in this area. The target zone for the well is the Paddock zone of the Red Lake-Glorieta Yeso Pool. That zone is continuous and of uniform thickness across the well unit.
4. I conclude from the maps that:
 - (a) The horizontal spacing unit is justified from a geologic standpoint.
 - (b) Each quarter-quarter section in the well unit will contribute more or less equally to production.

EXHIBIT

2

(c) There is no faulting or other geologic impediment in the area which will adversely affect the drilling of the subject well.

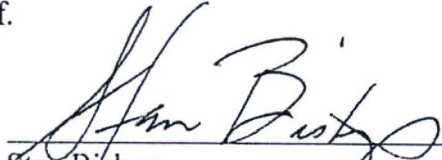
5. An East/West orientation is preferred for the well.

6. Attachment E is the Standard Planning Report for the horizontal well. The producing interval of the proposed well will be orthodox.

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF HARRIS)

Stan Bishop, being duly sworn upon his oath, deposes and states that: He is a geologist for Lime Rock Resources II-A, L.P.; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.



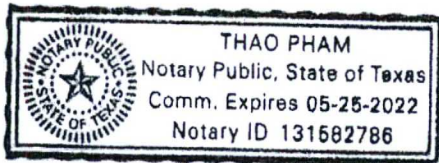
Stan Bishop

SUBSCRIBED AND SWORN TO before me this 21 day of August, 2019 by Stan Bishop.

My Commission Expires: MAY 25, 2022



Notary Public



18S 26E



13

PROPOSE LEAVITT 1

BHL

LANDING POINT

SHL

MAP LEGEND
PRODUCTION
YES OR NO



LIMES

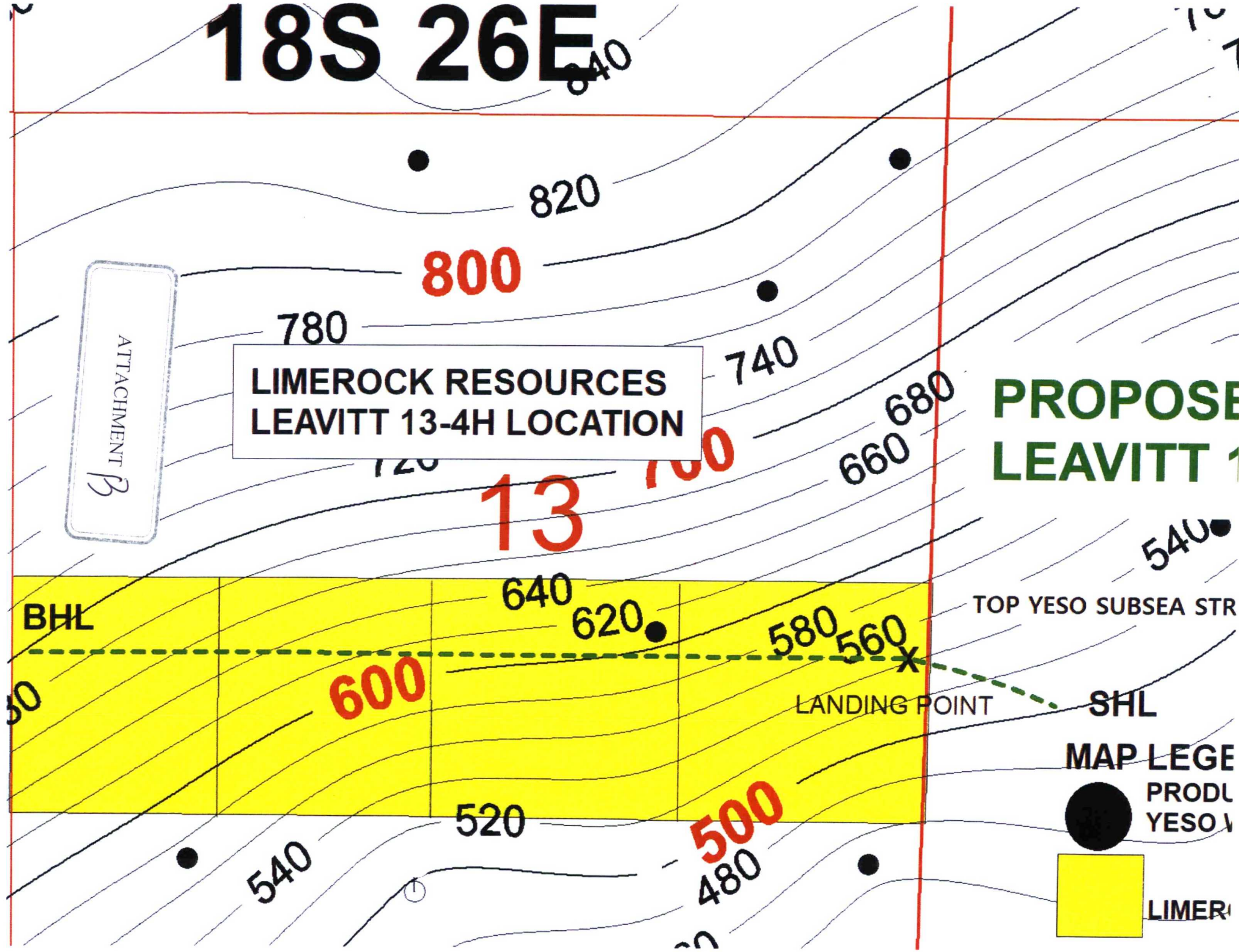


18S 26E

ATTACHMENT
B

LIMEROCK RESOURCES
LEAVITT 13-4H LOCATION

PROPOSE
LEAVITT 1



MAP LEGEND

- PROD YESO
- LIMER

18S 26E

ATTACHMENT C

LIMEROCK RESOURCES
LEAVITT 13-4H LOCATION

PROPOSE
LEAVITT 1

13

800

780

820

740

680
660

540

BHL

640

620

A'

580

560

TOP YESO SUBSEA STR

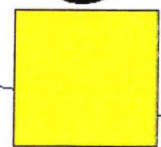
600

LANDING POINT

SHL

MAP LEGEND

PRODUCTION
YESO



LIMEROCK

520

500
480

540

A

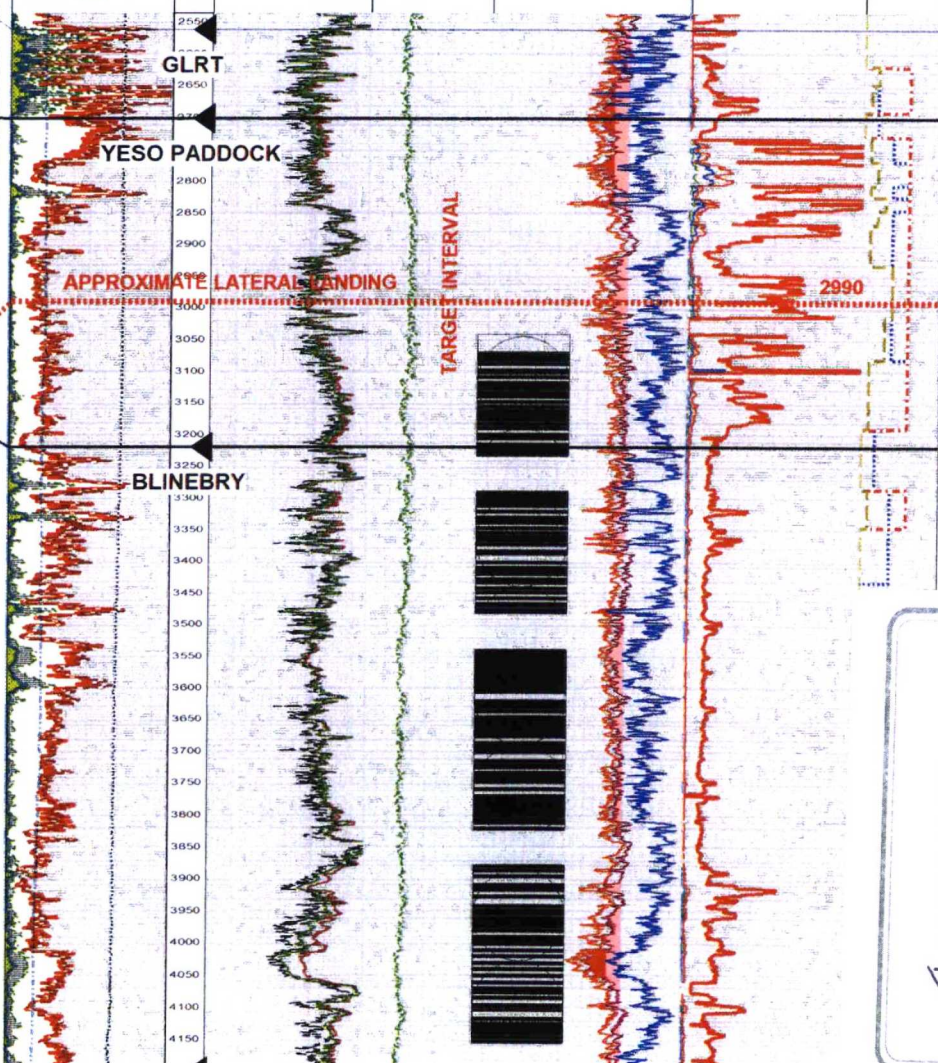
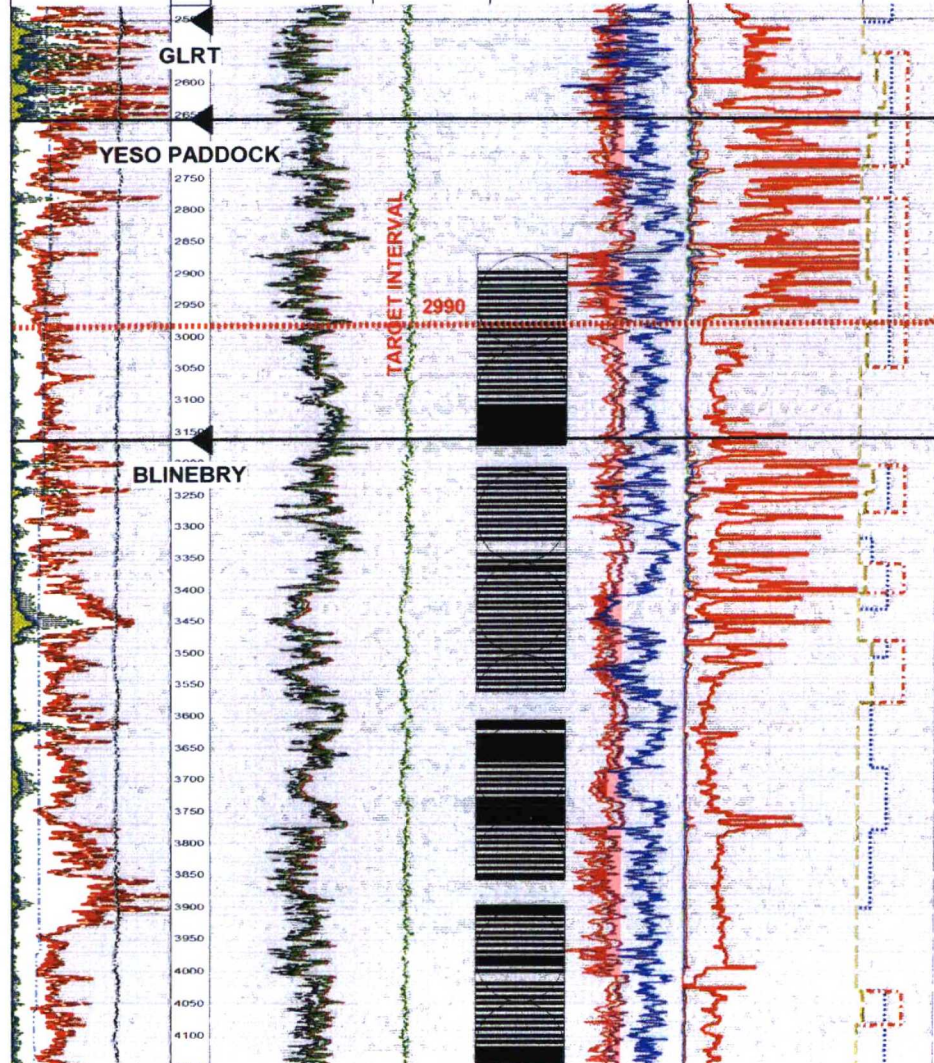
LIME ROCK RESOURCES
MCNATT-VANDERGRIF 2
990 FSL/880 FEL
TWP: 18 S - Range: 26 E - Sec. 14

LIME ROCK RESOURCES
FANNING '13' J 1
2310 FSL/1650 FEL
TWP: 18 S - Range: 26 E - Sec. 13

A'

Correlation	Depth	Resistivity	Porosity	Porosity1	Mudlog Gas	Fluor Quality Cat
CALL	TVD	LLS	DRHO	DRH	C1	FLU
1000	in	ohm-in	2000 0.50	g/cc	4 10 800	UNITS
TENS		LLD	PE	NEH	C2	FLUQUAL
10000	ft	ohm-in	2000	dec	4 10 800	UNITS
GRTH		MSFL		dec	4 10 800	UNITS
100	in	ohm-in	2000			
GRCT(GRTC)		RM, HR, T(N/A)		dec	4 10 800	UNITS
100	in	ohm-in	2000			
GRU(GRTO)				dec	4 10 800	UNITS
100	in	ohm-in	2000			
GR				dec	4 10 800	UNITS
1000	in	ohm-in	2000			

Correlation	Depth	Resistivity	Porosity	Porosity1	Mudlog Gas	Fluor Quality Cat
CALL	TVD	LLS	DRHO	DRH	C1	FLU
1000	in	ohm-in	2000 0.50	g/cc	4 10 800	UNITS
TENS		LLD	PE	NEH	C2	FLUQUAL
10000	ft	ohm-in	2000	dec	4 10 800	UNITS
GRTH		MSFL		dec	4 10 800	UNITS
100	in	ohm-in	2000			
GRCT(GRTC)		RM, HR, T(N/A)		dec	4 10 800	UNITS
100	in	ohm-in	2000			
GRU(GRTO)				dec	4 10 800	UNITS
100	in	ohm-in	2000			
GR				dec	4 10 800	UNITS
1000	in	ohm-in	2000			



ATTACHMENT D

RECEIVED

JAN. 08 2019

DISTRICT 14 ARTESIA O.C.D.

Lime Rock Resources

**Eddy County, NM
SEC 18 T18S R27E
Leavitt 13-4H**

Original Wellbore

Plan: Plan 1

Standard Planning Report

04 January, 2019

ATTACHMENT *E*

Planning Report

Database:	EDM Server Database	Local Co-ordinate Reference:	Well Leavitt 13-4H
Company:	Lime Rock Resources	TVD Reference:	KB @ 3314.2usft
Project:	Eddy County, NM	MD Reference:	KB @ 3314.2usft
Section:	SEC 18 T18S R27E	North Reference:	Grid
Well:	Leavitt 13-4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan 1		

Project	Eddy County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	SEC 18 T18S R27E		
Site Position:		Northing:	637,839.89 usft
From:	Lat/Long	Easting:	543,939.97 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 45' 12.448 N
		Longitude:	104° 19' 29.525 W
		Grid Convergence:	0.00 °

Well	Leavitt 13-4H		
Well Position	+N/-S	-2,731.3 usft	Northing: 635,108.60 usft
	+E/-W	-162.5 usft	Easting: 543,777.51 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,293.2 usft
		Latitude:	32° 44' 45.421 N
		Longitude:	104° 19' 31.430 W
		Ground Level:	

Wellbore	Original Wellbore		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	1/4/2019	7.18
			Dip Angle
			60.40
			Field Strength
			48,007.12003629

Design	Plan 1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			271.92

Plan Survey Tool Program	Date	1/4/2019		
Depth From	Depth To	Survey (Wellbore)	Tool Name	Remarks
(usft)	(usft)			
1	0.0	8,262.1 Plan 1 (Original Wellbore)		

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)	(°)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,213.6	0.00	0.00	2,213.6	0.0	0.0	0.00	0.00	0.00	0.00	
2,869.5	52.47	289.50	2,781.6	93.4	-263.9	8.00	8.00	0.00	289.50	
2,969.5	52.47	289.50	2,842.5	119.9	-338.6	0.00	0.00	0.00	0.00	
3,385.2	90.00	270.12	2,975.0	177.9	-718.7	10.00	9.03	-4.68	-30.00	
8,262.1	90.00	270.10	2,975.0	187.2	-5,595.6	0.00	0.00	0.00	-91.13	PBHL - Leavitt 13-4H

Planning Report

Database:	EDM Server Database	Local Co-ordinate Reference:	Well Leavitt 13-4H
Company:	Lime Rock Resources	TVD Reference:	KB @ 3314.2usft
Project:	Eddy County, NM	MD Reference:	KB @ 3314.2usft
Location:	SEC 18 T18S R27E	North Reference:	Grid
Well:	Leavitt 13-4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
Queen									
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
637.0	0.00	0.00	637.0	0.0	0.0	0.0	0.00	0.00	0.00
Grayburg									
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
906.0	0.00	0.00	906.0	0.0	0.0	0.0	0.00	0.00	0.00
Premier									
946.0	0.00	0.00	946.0	0.0	0.0	0.0	0.00	0.00	0.00
San Andres									
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,230.0	0.00	0.00	1,230.0	0.0	0.0	0.0	0.00	0.00	0.00
9-5/8" - Surface									
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,213.6	0.00	0.00	2,213.6	0.0	0.0	0.0	0.00	0.00	0.00
KOP - Start 8°/100' Build									
2,300.0	6.91	289.50	2,299.8	1.7	-4.9	5.0	8.00	8.00	0.00
2,305.2	7.33	289.50	2,305.0	2.0	-5.5	5.6	8.00	8.00	0.00
Glorieta									
2,397.0	14.67	289.50	2,395.0	7.8	-22.0	22.3	8.00	8.00	0.00
Yeso									
2,400.0	14.91	289.50	2,397.9	8.1	-22.7	23.0	8.00	8.00	0.00
2,500.0	22.91	289.50	2,492.4	18.9	-53.3	53.9	8.00	8.00	0.00
2,600.0	30.91	289.50	2,581.5	34.0	-95.9	97.0	8.00	8.00	0.00
2,700.0	38.91	289.50	2,663.5	53.0	-149.8	151.5	8.00	8.00	0.00
2,800.0	46.91	289.50	2,736.6	75.8	-213.9	216.3	8.00	8.00	0.00
2,869.5	52.47	289.50	2,781.6	93.4	-263.9	266.8	8.00	8.00	0.00
2,869.8	52.47	289.50	2,781.8	93.5	-264.1	267.1	0.00	0.00	0.00
Begin 52.47° Tangent									
2,900.0	52.47	289.50	2,800.2	101.5	-286.7	289.9	0.00	0.00	0.00
2,969.5	52.47	289.50	2,842.5	119.9	-338.6	342.4	0.00	0.00	0.00
KOP - Start 10°/100' Build									
3,000.0	55.13	287.64	2,860.5	127.7	-362.0	366.0	10.01	8.72	-6.10
3,100.0	64.00	282.28	2,911.1	149.8	-445.2	449.9	10.00	8.87	-5.36
3,128.0	66.52	280.94	2,922.9	154.9	-470.1	475.0	10.00	9.00	-4.81

Planning Report

Database:	EDM Server Database	Local Co-ordinate Reference:	Well Leavitt 13-4H
Company:	Lime Rock Resources	TVD Reference:	KB @ 3314.2usft
ject:	Eddy County, NM	MD Reference:	KB @ 3314.2usft
oe:	SEC 18 T18S R27E	North Reference:	Grid
Well:	Leavitt 13-4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
FTP - 100' FEL									
3,200.0	73.05	277.69	2,947.7	165.8	-538.7	542.0	10.00	9.08	-4.51
3,300.0	82.18	273.52	2,969.2	175.3	-633.8	639.3	10.00	9.14	-4.17
3,385.2	90.00	270.12	2,975.0	177.9	-718.7	724.2	10.00	9.17	-3.99
EOC									
3,400.0	90.00	270.12	2,975.0	178.0	-733.5	739.0	0.00	0.00	0.00
3,500.0	90.00	270.12	2,975.0	178.2	-833.5	839.0	0.00	0.00	0.00
3,600.0	90.00	270.12	2,975.0	178.4	-933.5	938.9	0.00	0.00	0.00
3,700.0	90.00	270.12	2,975.0	178.6	-1,033.5	1,038.9	0.00	0.00	0.00
3,800.0	90.00	270.12	2,975.0	178.8	-1,133.5	1,138.8	0.00	0.00	0.00
3,900.0	90.00	270.12	2,975.0	179.0	-1,233.5	1,238.8	0.00	0.00	0.00
4,000.0	90.00	270.12	2,975.0	179.2	-1,333.5	1,338.7	0.00	0.00	0.00
4,100.0	90.00	270.12	2,975.0	179.5	-1,433.5	1,438.7	0.00	0.00	0.00
4,200.0	90.00	270.12	2,975.0	179.7	-1,533.5	1,538.6	0.00	0.00	0.00
4,300.0	90.00	270.12	2,975.0	179.9	-1,633.5	1,638.6	0.00	0.00	0.00
4,400.0	90.00	270.12	2,975.0	180.1	-1,733.5	1,738.5	0.00	0.00	0.00
4,500.0	90.00	270.12	2,975.0	180.3	-1,833.5	1,838.5	0.00	0.00	0.00
4,600.0	90.00	270.12	2,975.0	180.5	-1,933.5	1,938.4	0.00	0.00	0.00
4,700.0	90.00	270.12	2,975.0	180.7	-2,033.5	2,038.4	0.00	0.00	0.00
4,800.0	90.00	270.11	2,975.0	180.8	-2,133.5	2,138.3	0.00	0.00	0.00
4,900.0	90.00	270.11	2,975.0	181.1	-2,233.5	2,238.3	0.00	0.00	0.00
5,000.0	90.00	270.11	2,975.0	181.3	-2,333.5	2,338.2	0.00	0.00	0.00
5,100.0	90.00	270.11	2,975.0	181.5	-2,433.5	2,438.2	0.00	0.00	0.00
5,200.0	90.00	270.11	2,975.0	181.7	-2,533.5	2,538.1	0.00	0.00	0.00
5,300.0	90.00	270.11	2,975.0	181.9	-2,633.5	2,638.1	0.00	0.00	0.00
5,400.0	90.00	270.11	2,975.0	182.1	-2,733.5	2,738.0	0.00	0.00	0.00
5,500.0	90.00	270.11	2,975.0	182.3	-2,833.5	2,838.0	0.00	0.00	0.00
5,600.0	90.00	270.11	2,975.0	182.5	-2,933.5	2,937.9	0.00	0.00	0.00
5,700.0	90.00	270.11	2,975.0	182.6	-3,033.5	3,037.9	0.00	0.00	0.00
5,800.0	90.00	270.11	2,975.0	182.8	-3,133.5	3,137.8	0.00	0.00	0.00
5,900.0	90.00	270.11	2,975.0	183.0	-3,233.5	3,237.8	0.00	0.00	0.00
6,000.0	90.00	270.11	2,975.0	183.2	-3,333.5	3,337.7	0.00	0.00	0.00
6,100.0	90.00	270.11	2,975.0	183.4	-3,433.5	3,437.7	0.00	0.00	0.00
6,200.0	90.00	270.11	2,975.0	183.6	-3,533.5	3,537.6	0.00	0.00	0.00
6,300.0	90.00	270.11	2,975.0	183.8	-3,633.5	3,637.6	0.00	0.00	0.00
6,400.0	90.00	270.11	2,975.0	184.0	-3,733.5	3,737.5	0.00	0.00	0.00
6,500.0	90.00	270.11	2,975.0	184.2	-3,833.5	3,837.5	0.00	0.00	0.00
6,600.0	90.00	270.10	2,975.0	184.3	-3,933.5	3,937.4	0.00	0.00	0.00
6,700.0	90.00	270.10	2,975.0	184.5	-4,033.5	4,037.4	0.00	0.00	0.00
6,800.0	90.00	270.10	2,975.0	184.7	-4,133.5	4,137.3	0.00	0.00	0.00
6,900.0	90.00	270.10	2,975.0	184.9	-4,233.5	4,237.3	0.00	0.00	0.00
7,000.0	90.00	270.10	2,975.0	185.1	-4,333.5	4,337.2	0.00	0.00	0.00
7,100.0	90.00	270.10	2,975.0	185.2	-4,433.5	4,437.2	0.00	0.00	0.00
7,200.0	90.00	270.10	2,975.0	185.4	-4,533.5	4,537.1	0.00	0.00	0.00
7,300.0	90.00	270.10	2,975.0	185.6	-4,633.5	4,637.1	0.00	0.00	0.00
7,400.0	90.00	270.10	2,975.0	185.8	-4,733.5	4,737.0	0.00	0.00	0.00
7,500.0	90.00	270.10	2,975.0	185.9	-4,833.5	4,837.0	0.00	0.00	0.00
7,600.0	90.00	270.10	2,975.0	186.1	-4,933.5	4,936.9	0.00	0.00	0.00
7,700.0	90.00	270.10	2,975.0	186.3	-5,033.5	5,036.9	0.00	0.00	0.00
7,800.0	90.00	270.10	2,975.0	186.5	-5,133.5	5,136.8	0.00	0.00	0.00
7,900.0	90.00	270.10	2,975.0	186.6	-5,233.5	5,236.8	0.00	0.00	0.00
8,000.0	90.00	270.10	2,975.0	186.8	-5,333.5	5,336.7	0.00	0.00	0.00

5-1/2" - Production

Planning Report

Database:	EDM Server Database	Local Co-ordinate Reference:	Well Leavitt 13-4H
Company:	Lime Rock Resources	TVD Reference:	KB @ 3314.2usft
Project:	Eddy County, NM	MD Reference:	KB @ 3314.2usft
Section:	SEC 18 T18S R27E	North Reference:	Grid
Well:	Leavitt 13-4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Plan 1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,100.0	90.00	270.10	2,975.0	187.0	-5,433.5	5,436.7	0.00	0.00	0.00
8,200.0	90.00	270.10	2,975.0	187.1	-5,533.5	5,536.6	0.00	0.00	0.00
8,262.1	90.00	270.10	2,975.0	187.2	-5,595.6	5,598.7	0.00	0.00	0.00
PBHL									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL - Leavitt 13-4H	0.00	0.00	2,975.0	187.2	-5,595.6	635,295.85	538,181.90	32° 44' 47.274 N	104° 20' 36.950 W
- plan hits target center									
- Point									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,230.0	1,230.0	Surface	9-5/8	12-1/4
8,000.0	2,975.0	Production	5-1/2	8-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
400.0	400.0	Queen		0.00	
637.0	637.0	Grayburg		0.00	
906.0	906.0	Premier		0.00	
946.0	946.0	San Andres		0.00	
2,305.2	2,305.0	Glorieta		0.00	
2,397.0	2,395.0	Yeso		0.00	

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
1,230.0	1,230.0	0.0	0.0	9-5/8"
2,213.6	2,213.6	0.0	0.0	KOP - Start 8"/100' Build
2,869.8	2,781.8	93.5	-264.1	Begin 52.47° Tangent
2,969.5	2,842.5	119.9	-338.6	KOP - Start 10"/100' Build
3,128.0	2,822.0	154.9	-470.1	FTP - 100' FEL
3,385.2	2,975.0	177.9	-718.7	EOC
8,000.0	2,975.0	186.8	-5,333.5	5-1/2"
8,262.1	2,975.0	187.2	-5,595.6	PBHL



LIME ROCK

Project: Eddy County, NM
 Site: SEC 18 T18S R27E
 Well: Leavitt 13-4H
 Wellbore: Original Wellbore
 Design: Plan 1

Reference Details

Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Latitude: 32° 44' 45.421 N
 Longitude: 104° 18' 31.438 W
 Grid Convergence: 0.00° West
 Ground Elevation: 3293.2
 KB Elevation: KB @ 3314.2usft



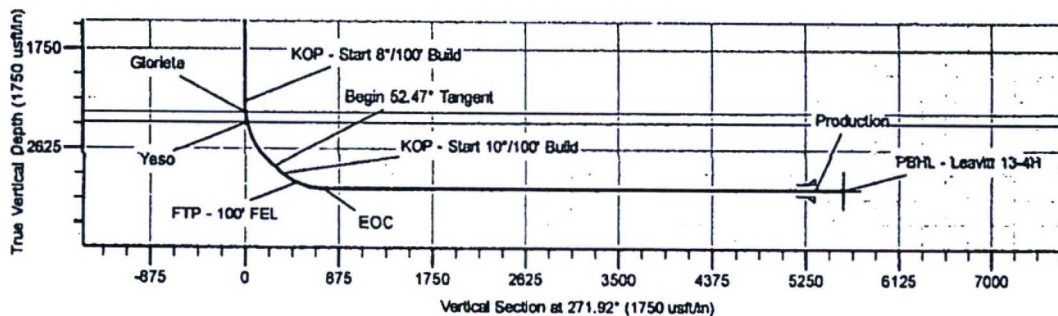
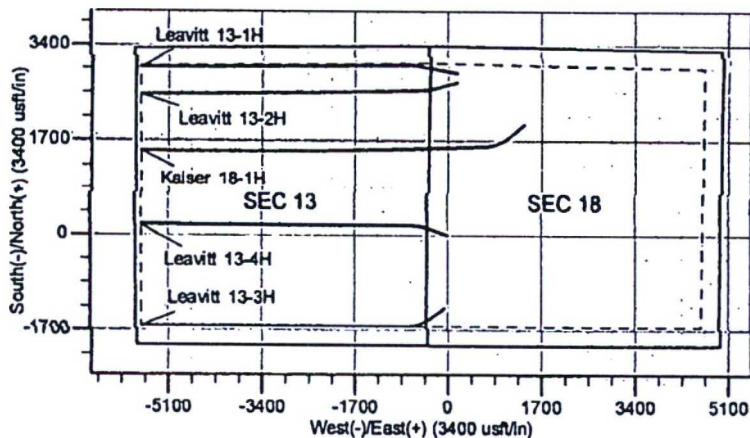
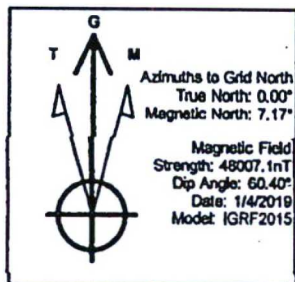
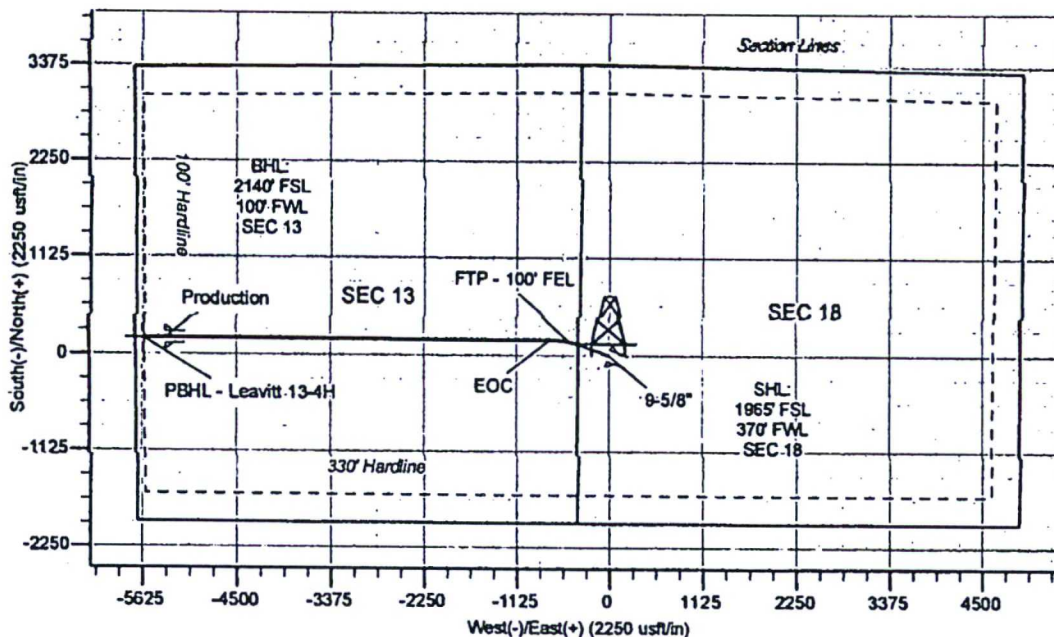
RPM Consulting, Inc.
 1600 Broadway, Suite 1510
 Denver, CO 80013
 303-595-7625

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0
2213.6	0.00	0.00	2213.6	0.0	0.0	0.00	0.00	0.0
2869.5	52.47	289.50	2781.6	93.4	-263.9	8.00	289.50	266.8
2969.5	52.47	289.50	2842.5	119.9	-338.6	0.00	0.00	342.4
3385.2	90.00	270.12	2975.0	177.9	-716.7	10.00	-30.00	724.2
8262.1	90.00	270.10	2975.0	187.2	-5595.6	0.00	-91.13	5598.7

CASING DETAILS

TVD	MD	Name	Size
1230.0	1230.0	Surface	9-5/8
2975.0	8000.0	Production	5-1/2



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF LIME ROCK RESOURCES
II-A, L.P. FOR COMPULSORY POOLING,
EDDY COUNTY, NEW MEXICO.

Case No. 20211

SELF-AFFIRMED STATEMENT OF NOTICE

COUNTY OF SANTA FE)
) ss.
STATE OF NEW MEXICO)

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Lime Rock Resources II-A, L.P.
3. Lime Rock Resources II-A, L.P. has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the application filed herein.
4. Notice of the application was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
5. Lime Rock Resources II-A, L.P. has complied with the notice provisions of Division Rules.
6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date: _____

8/22/19


James Bruce

EXHIBIT

3

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruce@aol.com

February 28, 2019

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

To: Persons on Exhibit A

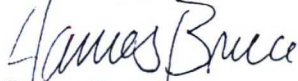
Ladies and gentlemen:

Enclosed is a copy of an application for compulsory pooling, filed with the New Mexico Oil Conservation Division by Lime Rock Resources II-A, L.P., regarding a Yeso well in the N/2S/2 of Section 13, Township 18 South, Range 26 East, NMPM, Eddy County, New Mexico.

This matter is scheduled for hearing at 8:15 a.m. on Thursday, March 21, 2019, in Porter Hall at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest who may be affected by the application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting this matter at a later date.

A party appearing in a Division case is required by Division Regulations to file a Pre-Hearing Statement no later than Thursday, March 14, 2019. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The names of the party and his or her attorney; a concise statement of the case; the names of the witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that need to be resolved prior to the hearing

Very truly yours,


James Bruce

Attorney for Mewbourne Oil Company

ATTACHMENT *A*

EXHIBIT

A

Lorena Bailey Ennes
15411 South 184th Place
Queen Creek, AZ 85142

RI

Donald R. Fanning & Sons Inc.
50 Flemming Road
Artesia, NM 88210

RI & ORRI

Billy C. Norwood and
Betty R. Norwood,
d/b/a Norwood Oil Company
P.O. Box 1029
Malakoff, TX 75418

ORRI

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Billy C. Norwood and
Betty R. Norwood dba
Norwood Oil Company

P.O. Box 1029
Malakoff, TX 75148

9590 9402 3452 7275 9796 88

2. Article Number (Transfer from service)

7018 2290 0000 3423 6393

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Billy C. Norwood* ☒ Agent ☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee

- Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To

Lorena Bailey Ennes

25411 S. 184th Place

Street and Apt. No., Unit, or Box No.

Queen Creek, AZ 85142

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee

- Extra Services & Fees (check box, add fee as appropriate)
- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent Billy C. Norwood and
Betty R. Norwood dba
Norwood Oil Company

P.O. Box 1029
Malakoff, TX 75148

Street and Apt. No., Unit, or Box No.

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Lorena Bailey Ennes

25411 S. 184th Place
Queen Creek, AZ 85142

9590 9402 3452 7275 9795 03

2. Article

7018 2290 0000 3423 6898

PS Form 3811, July 2

PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Lorena Ennes* ☐ Agent ☐ Addressee

B. Received by (Printed Name)

LORENA ENNES

C. Date of Delivery

3.6.19

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over \$500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee

\$

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$ _____
- ☐ Return Receipt (electronic) \$ _____
- ☐ Certified Mail Restricted Delivery \$ _____
- ☐ Adult Signature Required \$ _____
- ☐ Adult Signature Restricted Delivery \$ _____

Postmark
Here

Postage

\$

Total Postage and Fees

\$

Sent To Donald R. Fanning & Sons Inc. 50 Flemming Road
 Artesia, NM 88211

Street and Apt. No., or P.O. Box No.

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

7018 2290 0000 3423 6881

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
 OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL®

James Bruce
 P.O. Box 1056
 Santa Fe, New Mexico 87504

\$7.00⁰
 US POSTAGE
 FIRST-CLASS

071V00607931
 87501
 000113235



7018 2290 0000 3423 6881

NSW

Donald R. Fanning & Sons Inc. 50 Flemming Road
 Artesia, NM 88211

NSS

87504>1056

CARLSBAD CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

Ad No.
0001279217

JAMES BRUCE ATTORNEY AT LAW
PO BOX 1056

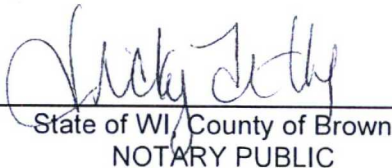
SANTA FE NM 87504

I, a legal clerk of the **Carlsbad Current-Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

03/06/19


Legal Clerk

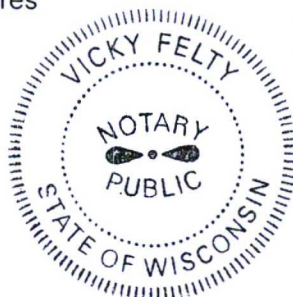
Subscribed and sworn before me this
6th of March 2019.


State of WI/ County of Brown
NOTARY PUBLIC

9/9/21

My Commission Expires

Ad#:0001279217
P O : Tanos Energy Holdings LLC
of Affidavits :0.00



NOTICE

To: Tanos Energy Holdings LLC, Energen Resources Corporation, Terrance W. Mangan, Ann Landrith Holdings LLC, Roscommon LLC, Savage Minerals LLC, Henrietta L. Johnson, Billy C. Norwood, Betty R. Norwood, Norwood Oil Company, New Mexico Oil Corporation, Kathleen V. Waldrop, Andrea L. Lerfald, Jo Etta Kruger, Dorothy Waldrop, CBR Oil Properties LLC, First Century Oil Inc., Michael Harrison Moore as Trustee of the Michael Harrison Moore 2006 Trust, Richard Lyons Moore as Trustee of the Richard Lyons Moore 2006 Trust, Cedar Creek Central LLC, Peregrine Energy LLC, Jeannette Anne Greene, Retha June Dossey, Dana Ray Mosman, Donna R. Nichols, Sidney Nichols, Donald R. Fanning & Sons Inc., Lorena Bailey Ennes, Benjamin Lee Wilson as Trustee of The Wilson Family Trust, R.K. Moore, Lois Vandagriff, Lillian Lorene Busch, Harriet Parish, St. Devote LLC, and Percussion Petroleum Operating LLC., r your heirs, devisees, successors, or assigns: Lime Rock Resources II-A, L.P. has filed two applications with the Oil Conservation Division for orders pooling all mineral interests in the Yeso formation underlying the horizontal spacing units described as follows:

(a) Case No. 20210: For a horizontal spacing unit comprised of the S/2N/2 of Section 13, Township 18 South, Range 26 East, NMPM and the SW/NW/4 of Section 18, Township 18 South, Range 27 East, NMPM. The unit will be dedicated to the Kaiser Well No. 18-1H; and (b) Case No. 20211: For a horizontal spacing unit comprised of the N/2S/2 of Section 13, Township 18 South, Range 26 East, NMPM. The unit will be dedicated to the Leavitt Well No. 13-4H.

Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The applications are scheduled to be heard at 8:15 a.m. on March 21, 2019 at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. As an interest owner to the well units you have the right to enter an appearance and participate in the cases. Failure to appear will preclude you from contesting these matters at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504. The units are located approximately 5 miles southeast of Atoka, New Mexico.

Pub: March 6, 2019

EXHIBIT

4