

Submit 3 Copies To Appropriate District
Office
District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

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

WELL API NO.
30-015-39454

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
STIRLING 6M

8. Well Number #2

9. OGRID Number 255333

10. Pool name or Wildcat
Red Lake: Glorieta-Yeso (51120)

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 ☐

2. Name of Operator

LIME ROCK RESOURCES A, L.P.

3. Address of Operator

c/o Mike Pippin LLC, 3104 N. Sullivan, Farmington, NM 87401

4. Well Location

Unit Letter M (Lot 7) : 660 feet from the SOUTH line and 330 feet from the WEST line
Section 6 Township 18-S Range 27-E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3335' GL

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 ☐

SUBSEQUENT REPORT OF:

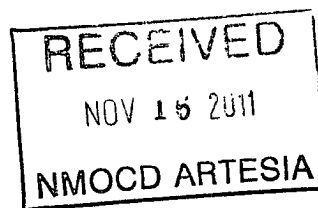
REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Deviate Hole ☒

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Lime Rock would like to change their drilling plans for this well by deviating the hole as indicated in the attached amended C-102 and proposed deviation plan.



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

SIGNATURE Mike Pippin TITLE Petroleum Engineer - Agent DATE 11/11/11

Type or print name Mike Pippin E-mail address: mike@pippinllc.com PHONE: 505-327-4573

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210
DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised July 16, 2010
Submit to Appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-39454	Pool Code 51120	Pool Name RED LAKE: GLORIETA - YESO
Property Code 38839	Property Name STIRLING 6M	Well Number 2
OGRID No 255333	Operator Name LIME ROCK RESOURCES A, L.P.	Elevation 3335'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	6	18-S	27-E	7	660	SOUTH	330	WEST	EDDY

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
M	6	18-S	27-E	7	960	SOUTH	360	WEST	EDDY

Dedicated Acres 40.43	Joint or Infill	Consolidation Code	Order No.
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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

LOT 4 LOT 3 LOT 2 LOT 1 LOT 5 LOT 6 LOT 7 360' B.H. 330' S.L. GRID AZ = 05°44'54" HORZ. DIST. = 301.0'	CORNER COORDINATES TABLE Ⓐ - Y=646365.0 N, X=502266.1 E Ⓑ - Y=646336.6 N, X=503582.9 E Ⓒ - Y=643725.7 N, X=502264.8 E Ⓓ - Y=643702.4 N, X=503598.1 E	GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION Y=644379.9 N X=502595.1 E LAT.=32.771492° N LONG = 103.324891° W BOTTOM HOLE LOCATION Y=644679.3 N X=502625.2 E	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Mike Pippin</i> 4/11/11 Signature Date MIKE PIPPIN Printed Name MIKE@PIPPINLLC.COM E-mail Address 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. AUGUST 12, 2011 Date of Survey Signature & Seal of Professional Surveyor: <i>Gary G. Eidson</i> GARY G. EIDSON NEW MEXICO 12641 RECEIVED JUL 11 9/11 Certificate Number: Gary G. Eidson 12641 Ronald F. Eidson 3239 DSS JWSC W O.: 11 13 2253
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LIME ROCK RESOURCES

EDDY COUNTY, NM (NAD 27)

STIRLING 6M FEE #2

STIRLING 6M FEE #2

ORIGINAL WELLBORE

25 October, 2011

Plan: PROPOSAL #2





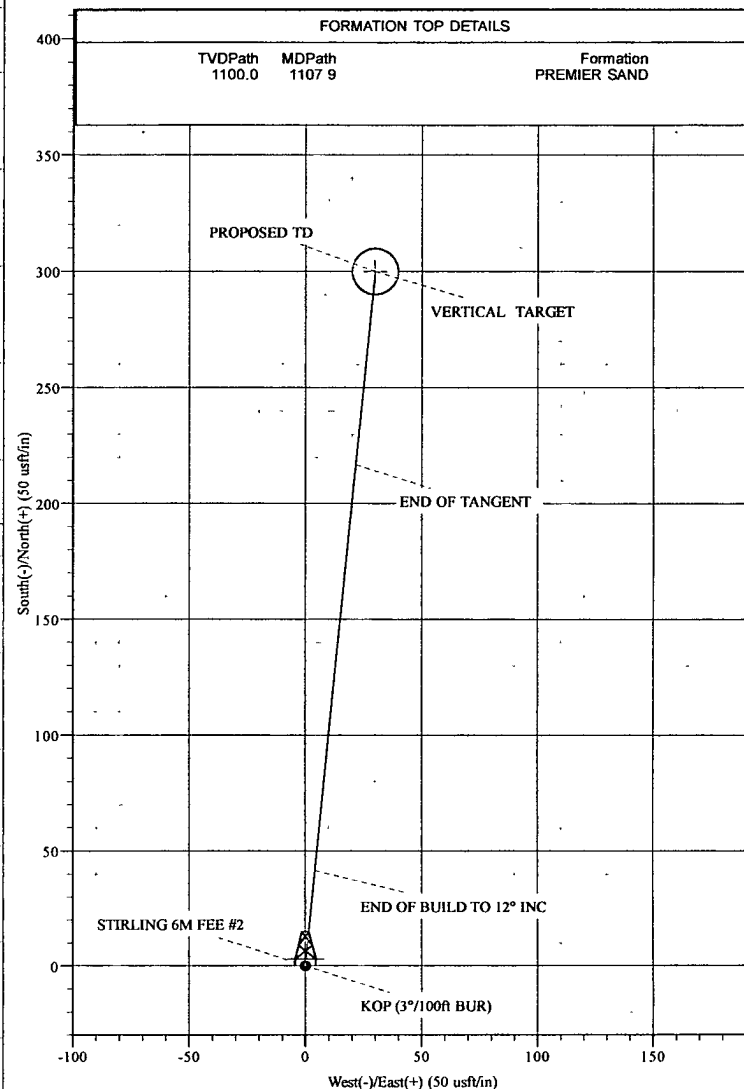
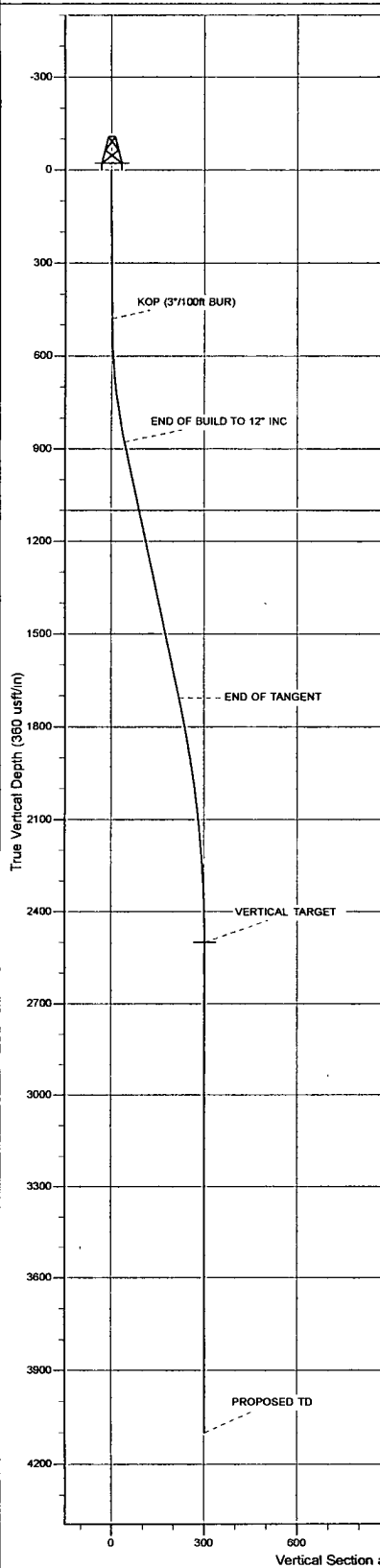
Project: EDDY COUNTY, NM (NAD 27)

Site: STIRLING 6M FEE #2

Well: STIRLING 6M FEE #2

ORIGINAL WELLBORE

Plan: PROPOSAL #2



ANNOTATIONS									
TVD	MD	Inc	Azi	+N/-S	+E/-W	VSe@	Departure	Annotation	
479.5	479.5	0.00	0.00	0.0	0.0	0.0	0.0	KOP (3°/100R BUR)	
876.7	879.6	12.00	5.71	41.5	4.2	41.8	41.8	END OF BUILD TO 12° INC	
1705.8	1727.2	12.00	5.71	216.9	21.7	218.0	218.0	END OF TANGENT	
2500.0	2527.3	0.00	0.00	300.0	30.0	301.5	301.5	VERTICAL TARGET	
4100.0	4127.3	0.00	0.00	300.0	30.0	301.5	301.5	PROPOSED TD	



Azimuths to True North
Magnetic North 7° 93'

Magnetic Field
Strength 48826.0 nT
Dip Angle 60.55°
Date 24/10/2011
Model IGRF2010

Database:	EDM_5000_1_7	Local Co-ordinate Reference:	Well STIRLING 6M FEE #2
Company:	LIME ROCK RESOURCES	TVD Reference:	KB-EST @ 3346.5usft (Original Well Elev)
Project:	EDDY COUNTY, NM (NAD 27)	MD Reference:	KB-EST @ 3346.5usft (Original Well Elev)
Site:	STIRLING 6M FEE #2	North Reference:	True
Well:	STIRLING 6M FEE #2	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #2		

Project:	EDDY COUNTY, NM (NAD 27)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		Using geodetic scale factor

Site:	STIRLING 6M FEE #2			
Site Position:		Northing:	644,379.90 usft	Latitude: 32° 46' 17.372 N
From: Map		Easting:	502,595.10 usft	Longitude: 104° 19' 29.606 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence: 0.00 °

Well:	STIRLING 6M FEE #2			
Well Position	+N/-S	0.0 usft	Northing:	644,379.90 usft
	+E/-W	0.0 usft	Easting:	502,595.10 usft
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft
			Ground Level:	3,335.0 usft

Wellbore:	ORIGINAL WELLBORE				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	24/10/2011	7.93	60.55	48,826

Design:	PROPOSAL #2			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	5.71

Plan Sections											
MD (usft)	Inc (°)	Azi (°)	Vertical Depth	SS (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	-3,346.5	0.0	0.0	0.00	0.00	0.00	0.00	
479.5	0.00	0.00	479.5	-2,867.0	0.0	0.0	0.00	0.00	0.00	0.00	
879.6	12.00	5.71	876.6	-2,469.9	41.5	4.2	3.00	3.00	0.00	5.71	
1,727.2	12.00	5.71	1,705.7	-1,640.8	216.9	21.7	0.00	0.00	0.00	0.00	
2,527.3	0.00	0.00	2,500.0	-846.5	300.0	30.0	1.50	-1.50	0.00	180.00	VERTICAL TARGE
4,127.3	0.00	0.00	4,100.0	753.5	300.0	30.0	0.00	0.00	0.00	0.00	

Database:	EDM 5000 1 7	Local Co-ordinate Reference:	Well STIRLING 6M FEE #2
Company:	LIME ROCK RESOURCES	TVD Reference:	KB-EST @ 3346.5usft (Original Well Elev)
Project:	EDDY COUNTY, NM (NAD 27)	MD Reference:	KB-EST @ 3346.5usft (Original Well Elev)
Site:	STIRLING 6M FEE #2	North Reference:	True
Well:	STIRLING 6M FEE #2	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #2		

Planned Survey

MD (usft)	Inc (°)	Azi (°)	TVD (usft)	SS (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	3,346.50	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	3,246.50	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	3,146.50	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	3,046.50	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	2,946.50	0.0	0.0	0.0	0.00	0.00	0.00
KOP (3°/100ft BUR)										
479.5	0.00	0.00	479.5	2,867.00	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.62	5.71	500.0	2,846.50	0.1	0.0	0.1	3.00	3.00	0.00
600.0	3.62	5.71	599.9	2,746.58	3.8	0.4	3.8	3.00	3.00	0.00
700.0	6.62	5.71	699.5	2,646.99	12.7	1.3	12.7	3.00	3.00	0.00
800.0	9.62	5.71	798.5	2,548.00	26.7	2.7	26.8	3.00	3.00	0.00
END OF BUILD TO 12° INC										
879.6	12.00	5.71	876.7	2,469.82	41.5	4.2	41.8	3.00	3.00	0.00
900.0	12.00	5.71	896.6	2,449.87	45.8	4.6	46.0	0.00	0.00	0.00
1,000.0	12.00	5.71	994.4	2,352.05	66.5	6.6	66.8	0.00	0.00	0.00
1,100.0	12.00	5.71	1,092.3	2,254.24	87.2	8.7	87.6	0.00	0.00	0.00
PREMIER SAND										
1,107.9	12.00	5.71	1,100.0	2,246.50	88.8	8.9	89.2	0.00	0.00	0.00
1,200.0	12.00	5.71	1,190.1	2,156.42	107.8	10.8	108.4	0.00	0.00	0.00
1,300.0	12.00	5.71	1,287.9	2,058.61	128.5	12.9	129.2	0.00	0.00	0.00
1,400.0	12.00	5.71	1,385.7	1,960.80	149.2	14.9	150.0	0.00	0.00	0.00
1,500.0	12.00	5.71	1,483.5	1,862.98	169.9	17.0	170.8	0.00	0.00	0.00
1,600.0	12.00	5.71	1,581.3	1,765.17	190.6	19.1	191.6	0.00	0.00	0.00
1,700.0	12.00	5.71	1,679.1	1,667.35	211.3	21.1	212.4	0.00	0.00	0.00
END OF TANGENT										
1,727.2	12.00	5.71	1,705.8	1,640.75	216.9	21.7	218.0	0.00	0.00	0.00
1,800.0	10.91	5.71	1,777.1	1,569.40	231.3	23.1	232.5	1.50	-1.50	0.00
1,900.0	9.41	5.71	1,875.5	1,470.97	248.9	24.9	250.1	1.50	-1.50	0.00
2,000.0	7.91	5.71	1,974.4	1,372.11	263.8	26.4	265.2	1.50	-1.50	0.00
2,100.0	6.41	5.71	2,073.6	1,272.90	276.2	27.6	277.6	1.50	-1.50	0.00
2,200.0	4.91	5.71	2,173.1	1,173.39	286.1	28.6	287.5	1.50	-1.50	0.00
2,300.0	3.41	5.71	2,272.8	1,073.65	293.3	29.3	294.7	1.50	-1.50	0.00
2,400.0	1.91	5.71	2,372.7	973.76	297.9	29.8	299.4	1.50	-1.50	0.00
2,500.0	0.41	5.71	2,472.7	873.79	299.9	30.0	301.4	1.50	-1.50	0.00
VERTICAL TARGET										
2,527.3	0.00	0.00	2,500.0	846.49	300.0	30.0	301.5	1.50	-1.50	0.00
2,600.0	0.00	0.00	2,572.7	773.79	300.0	30.0	301.5	0.00	0.00	0.00
2,700.0	0.00	0.00	2,672.7	673.79	300.0	30.0	301.5	0.00	0.00	0.00
2,800.0	0.00	0.00	2,772.7	573.79	300.0	30.0	301.5	0.00	0.00	0.00
2,900.0	0.00	0.00	2,872.7	473.79	300.0	30.0	301.5	0.00	0.00	0.00
3,000.0	0.00	0.00	2,972.7	373.79	300.0	30.0	301.5	0.00	0.00	0.00
3,100.0	0.00	0.00	3,072.7	273.79	300.0	30.0	301.5	0.00	0.00	0.00
3,200.0	0.00	0.00	3,172.7	173.79	300.0	30.0	301.5	0.00	0.00	0.00
3,300.0	0.00	0.00	3,272.7	73.79	300.0	30.0	301.5	0.00	0.00	0.00
3,400.0	0.00	0.00	3,372.7	-26.21	300.0	30.0	301.5	0.00	0.00	0.00
3,500.0	0.00	0.00	3,472.7	-126.21	300.0	30.0	301.5	0.00	0.00	0.00
3,600.0	0.00	0.00	3,572.7	-226.21	300.0	30.0	301.5	0.00	0.00	0.00
3,700.0	0.00	0.00	3,672.7	-326.21	300.0	30.0	301.5	0.00	0.00	0.00
3,800.0	0.00	0.00	3,772.7	-426.21	300.0	30.0	301.5	0.00	0.00	0.00
3,900.0	0.00	0.00	3,872.7	-526.21	300.0	30.0	301.5	0.00	0.00	0.00
4,000.0	0.00	0.00	3,972.7	-626.21	300.0	30.0	301.5	0.00	0.00	0.00
4,100.0	0.00	0.00	4,072.7	-726.21	300.0	30.0	301.5	0.00	0.00	0.00
4,127.3	0.00	0.00	4,100.0	-753.50	300.0	30.0	301.5	0.00	0.00	0.00

Planning Report



Database:	EDM_5000_1.7	Local Co-ordinate Reference:	Well STIRLING 6M FEE #2
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Site:	STIRLING 6M FEE #2	North Reference:	True
Well:	STIRLING 6M FEE #2	Survey Calculation Method:	Minimum Curvature
Wellbore:	ORIGINAL WELLBORE		
Design:	PROPOSAL #2		

Formations						
MD (usft)	TVD (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
1,107.9	1,100.0	PREMIER SAND		0.00		

Plan Annotations					
MD (usft)	TVD (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
479.5	479.5	0.0	0.0	KOP (3°/100ft BUR)	
879.6	876.7	41.5	4.2	END OF BUILD TO 12° INC	
1,727.2	1,705.8	216.9	21.7	END OF TANGENT	
2,527.3	2,500.0	300.0	30.0	VERTICAL TARGET	
4,127.3	4,100.0	300.0	30.0	PROPOSED TD	