MAHL

PMAM 170664263

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



STIRLING 6 M #2 -30-015-39454 ADMINISTRATIVE APPLICATION CHECKLIST THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE **Application Acronyms:** [NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] [PPR-Positive Production Response]

or [A]

LimeRock Resources I-Bus
lication [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] TYPE OF APPLICATION - Check Those Which Apply for [A] [1] Location - Spacing Unit - Simultaneous Dedication \square NSL \square NSP \square SD NSL □ NSP □ SD

Well

One Only for [B] or [C]

Commingling - Storage - Measurement

□ DHC □ CTB □ PLC □ PC □ OLS □ OLM 30-0/5-39454 Check One Only for [B] or [C] [B] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery [C] □ WFX □ PMX □ SWD □ IPI □ EOR □ PPR [D] Other: Specify NOTIFICATION REQUIRED TO: - Check Those Which Apply, or

Does Not Apply [2] Working, Royalty or Overriding Royalty Interest Owners [B] Offset Operators, Leaseholders or Surface Owner Application is One Which Requires Published Legal Notice Notification and/or Concurrent Approval by BLM or SLO [D]U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office For all of the above, Proof of Notification or Publication is Attached, and/or, [E] Waivers are Attached [F]SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE SAL [3] OF APPLICATION INDICATED ABOVE. 51300 **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division. Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Mike Pippin	Mike Trakin	Petroleum Engineer	March 3, 2017	
Print or Type Name	Signature	Title	Date	
		mike@pippinllc.	com	

e-mail Address

LIME ROCK RESOURCES II-A, L.P. Mike Pippin 3104 N. Sullivan Farmington, NM 87401 505-327-4573 (phone) mike@pippinllc.com

March 3, 2017

NMOCD c/o Mike McMillan 1220 South St. Francis Drive Santa Fe, NM 87505

RE:

C-107A TO COMMINGLE TWO POOLS STIRLING 6 M #2 – API#: 30-015-39454 Unit Letter "M" Section 6 T18S R27E Eddy County, New Mexico

Dear Mr. McMillan,

The referenced oil well was completed on January 12, 2012 in the Red Lake, Glorieta-Yeso (51120). LIME ROCK has submitted the attached NOI sundry to the State to recomplete into the upper pool, the Red Lake, Queen-Grayburg-San Andres (51300). Interests in these two pools are identical. The State Commissioner of Public Lands has been notified.

LIME ROCK plans to produce the upper pool (San Andres) alone for a period of about 2 months in order to allow the production to stabilize. The production allocations will then be calculated using the stabilized production of the upper pool and the current (Yeso) production of 4 BOPD, 32 MCF/D, and 28 BWPD. We plan to submit these calculations and the resulting allocations to the district office for approval.

Please contact me at 505-327-4573 should you have any questions.

Very truly yours,

Mike Pippin

Petroleum Engineer

Mike Dippin

District'I 1625 N. Franch Drive, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department Form C-107A Revised June 10, 2003

[⊅]District II

201 W Grand Aurora Arteria WM 89710

District III
1000 Rio Brazos Road, Aztec, NM

District IV

Oil Conservation Division

1220 South St. Francis Dr. Santa Fe, New Mexico 87505 APPLICATION TYPE

X Single Well

Establish Pre-Approved Pools

____E3

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

APPLICATION FOR DOWNHOLE COMMINGLING

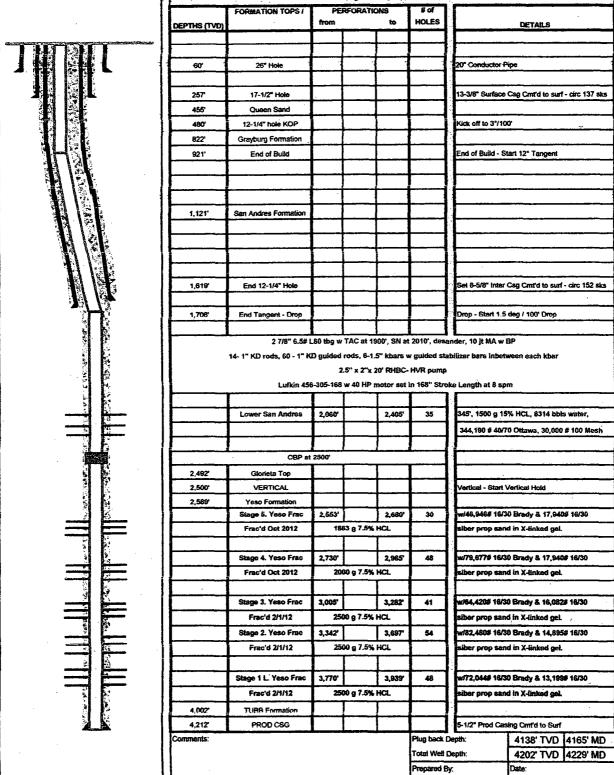
EXISTING WELLBORE

X Yes No

ō	LIME ROCK RESOURCES II-	A, L.P. c/o Mike Pi Addr	ppin LLC (agent), 3104 N. Sullivan, Farmiess	ington, NM 87401
	STIRLING 6 M #2		C. 6 T18S R27E	<u>Eddy</u>
L	ease	Well No. Unit Letter-So	ection-Township-Range	County
0	GRID No. <u>277558</u> Property Code	39000 API No. 30-015-39	454 Lease Type:Federal _	State _X_Fee
	DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
	Pool Name	Red Lake, Queen- Grayburg-San Andres		Red Lake, Glorieta-Yeso
	Pool Code	51300		51120
	Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	~2060'-2405'		2553'-3939'
	Method of Production (Flowing or Antificial Lift)	Prospective		Pumping
	Bottomhiole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top per foration in the upper zone)	741 PSI		851 PSI
	Oil Gravity or Gas BTU (Degree API or Gas BTU)	34.8		38.32
	Producing, Shut-In or New Zone	Proposed New Zone		Producing
	Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to statch production estimates and supporting data.)	Date: RATES:	Date:	Date: February 14, 2017 Rates: 4 BOPD 32 MCF/D 28 BWPD
ĺ	Fixed Allocation Percentage (Note: If allocation is based upon something other	Oil Gas	Oil Gas	Oil Gas
	than current or past production, supporting data or explanation will be required.)		% %	
If A	re all working, royalty and overriding re not, have all working, royalty and over re all produced fluids from all comming fill commingling decrease the value of	riding royalty interest owners been gled zones compatible with each off	mingled zones? notified by certified mail?	Yes_X No
	this well is on, or communitized with, s the United States Bureau of Land Man			Yes X No
	MOCD Reference Case No. applicable ttachments: C-102 for each zone to be commingle Production curve for each zone for at For zones with no production history, Data to support allocation method or Notification list of working, royalty a Any additional statements, data or do	d showing its spacing unit and acre least one year. (If not available, at estimated production rates and suf formula. nd overriding royalty interests for	eage dedication. tach explanation.) pporting data. uncommon interest cases.	
Li Pr Bo	st of other orders approving downhole of st of all operators within the proposed F oof that all operators within the propose ottomhole pressure data.	commingling within the proposed F Pre-Approved Pools and Pre-Approved Pools were provided	following additional information will Pre-Approved Pools ded notice of this application.	
H	nereby certify that the information a	bove is true and complete to the	e best of my knowledge and belief.	
SI	GNATURE Mis	he hippin TITLE P	etroleum Engineer - Agent DAT	E March 3, 2017
T	YPE OR PRINT NAME Mil	e Pippin	TELEPHONE NO. (<u>505</u>) 327-4573
E-	MAIL ADDRESS <u>mike@pi</u>	ppinllc.com		

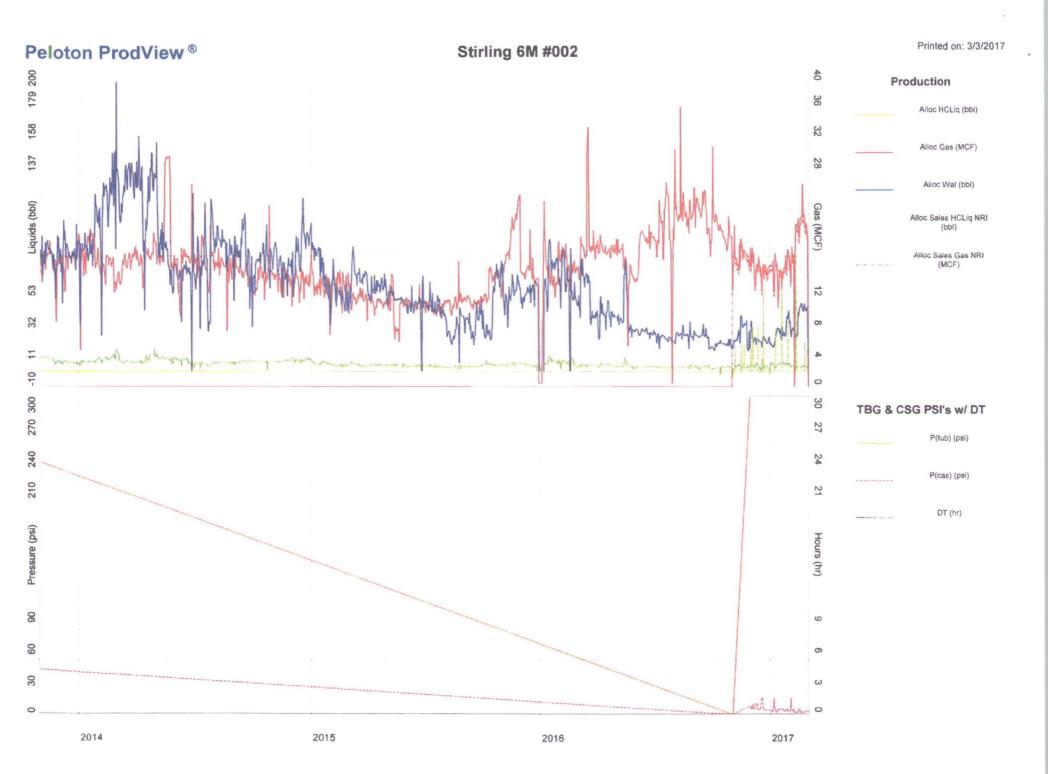
John Colon C

LIME ROC	County	DY	Well Nar		6M 82	-	Field Red La	due: Glorie	ta-Yeso	AFE # R17004 Sar	Andres Recompletion
RESOURCE	Surface Let: Surface Long:	32.771492°N 103.324891° W	BH Lat: BH Long	:				Survey:		T18S-R27E SL 6330' FWL	API# 30-015-39454 OGRID# 277558
Direc	tional Data:	na lineagh timber to		4.7	Tubular	Data	- as need	100			Wellhead Data
OP	480' MD/TVD	Tubulars	Size	Weight	Grade	Thread	TVÐ	MD	TOC	Туре	1
x Dev.: 12.9°	at 1015' MD	Conductor	20"	91.5#	В	Weld	60'	60'	SURF	WP:	I
g sev:	3.0°	Surface	13-3/8"	48#	H40	STC	257	257	SURF		Flange:
v @ Perfs	0.5°	Intermediate	8 5/8"	24#	J-55	STC	1,599	1,619'	SURF	Tree Cap	L
	2599' MD	Production	5 1/2"	17#	J-55	LTC	4,185	4,212	SURF	1	Thread:
· · · · · · ·		Liner					L	LI		<u> </u>	
	Completion Fluid	CEMENT DATA								Tog Hanger:	<u> </u>
iling Fluid: 10 PP	G Brine / Salt Gei	1	i√sks	Yid	W.	T/SK5	Yid	Wt	XS [61M Flange:	<u> </u>
illing Fluid:		Surface	360	1.35	14.8				137	BPV Profile:	N A
mpletion Fluid: 2% KC	1 .	Intermediate	155	1.64	12.8	655	1.34	14.8	152	Elevations:	GR - RKB = 11.5'
mpletion Fixed:		Liner								RKB:	3,346,5'
cker Fluid: NA		Production	240	1.9	12.8	500	1.15	14.8	20	GL:	3,335.0
Well	oore Sketch					Co	mplet	ion inf	iormati	on	
			FORM	ATION	rops /	PE	RFORATI	ONS	# of		
									HOLES	i	DETAILS
		DEPTHS (TVD)				from		to			UK, I AILS
		DEPTHS (TVD)	 			from		1 to			CE, FALLS
		DEPTHS (TVD)				from		100			LIC. FAILS
ТИЛ		-		001116		from		100		70° C	
	\ 	DEPTHS (TVD)		26° Hole		from		- 60		20" Conductor	
		607				from		100			Pipe
		-		26" Hole 7-1/2" He		from		100			Pipe
		607	1		ж	from					



23-Feb-17

Enc McClusky



Submit 1 Copy To Appropriate District	State of New Me	exico	Form C-103
Office District 1 - (575) 393-6161	Energy, Minerals and Natu	ral Resources	Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240		L.	API NO.
<u>District II</u> - (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION		5-39454 licate Type of Lease
District III - (505) 334-6178	1220 South St. Fran	ncis Dr.	STATE FEE S
1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> – (505) 476-3460	Santa Fe, NM 87	7505 6. Sta	te Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM			
87505	CICES AND DEDORTS ON WELLS	7 10	ase Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROP	FICES AND REPORTS ON WELLS OSALS TO DRILL OR TO DEEPEN OR PL ICATION FOR PERMIT" (FORM C-101) FO	UG BACK TO A STIR	LING 6 M
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well Other	8. We	ell Number #2
2. Name of Operator		9. 00	GRID Number 277558
LIME ROCK RESOURCES II	-A, L.P.		
3. Address of Operator			ool name or Wildcat
c/o Mike Pippin LLC, 3104 N. St	ıllivan, Farmington, NM 87401	Red La	ke, Queen-Grayburg-San Andres (51300)
4. Well Location			
Unit Letter M	: 660 feet from the SOUTH	I line and 330	feet from the WEST line
Section 6			MPM Eddy County
J. C.	11. Elevation (Show whether DR		
	3335' GL	,,,,	
12. Check	Appropriate Box to Indicate N	ature of Notice, Report	t or Other Data
	**		
	NTENTION TO:	-	IENT REPORT OF:
PERFORM REMEDIAL WORK		REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON [PULL OR ALTER CASING [CHANGE PLANS MULTIPLE COMPL	COMMENCE DRILLING (CASING/CEMENT JOB	OPNS. PANDA [
PULL OR ALTER CASING DOWNHOLE COMMINGLE		CASING/CEMENT JOB	L
CLOSED-LOOP SYSTEM	-		
OTHER: Recomplete to		OTHER:	
13. Describe proposed or completed of	operations. (Clearly state all pertinent details,		estimated date of starting any proposed work).
SEE RULE 19.15.7.14 NMAC.	For Multiple Completions: Attach wellbore of	liagram of proposed completion or	recompletion.
Lime Rock would like to recomm	plete this Yeso oil well to the San	Andres as follows: MIRL	SIL TOH w/rods numn & tha
			@ 2553'-3939'). Perf San Andres
@ ~2060'-2405' w/~35 holes. S	Stimulate with ~1500 gal 15% HC	L acid & frac w/~30,000#	100 mesh & ~344,190# 40/70 sand
in slick water	-		
00 - 5 - 5 - 5 00 1 000 00			
			lease workover rig. Complete as a n decreases and a DHC order has
been approved, the CBP @ 250	00' will be removed and the well d	overhole commingled.	decreases and a DHC order has
Spud Date: 12/13/11	Drilling R	ig Release Date: 12/27/11	
I hereby certify that the information	n above is true and complete to the b	est of my knowledge and be	elief.
2//1/	A:	_ :	
SIGNATURE Mile	TITLE Petro	oleum Engineer - Agent	DATE <u>2/27/17</u>
Type or print name Mike Pir	opin E-mail address	s: <u>mike@pippinllc.cor</u>	n PHONE: 505-327-4573
For State Use Only	L-man address	. introfeshibhumercot	111014E. 303-321-4313
APPROVED BY:	TITLE		DATE
Conditions of Approval (if any):			

LIME ROCK RESOURCES II-A, L.P. Mike Pippin 3104 N. Sullivan Avenue Farmington, NM 87401 505-327-4573 (phone) mike@pippinllc.com

March 3, 2017

New Mexico Commissioner of Public Lands Attention: Pete Martinez 310 Old Santa Fe Trail PO Box 1148 Santa Fe, NM 87504-1148

RE: Notification of Downhole Commingling

STIRLING 6 M #2 – API#: 30-015-39454 Unit Letter "M" Section 6 T18S R27E Eddy County, New Mexico

Dear Mr. Martinez:

LIME ROCK would like to commingle the existing, producing Red Lake, Glorieta-Yeso interval with the proposed, Red Lake, Queen-Grayburg-San Andres interval. The designated acreage for the proposed commingle will be the southwest quarter of the southwest quarter of section 6.

This letter is to notify you that we have submitted the necessary application and supporting data to the New Mexico Oil Conservation Division. A check for \$30 is enclosed with this notification along with a copy of the State application.

Please contact me at 505-327-4573 should you have any questions.

Very truly yours,

Mike Pippin

Petroleum Engineer

Mike tippin

District 1 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

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

District IV

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Santa Fe, NM 87505

AS DRILLED

Form C-102 Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

☐ AMENDED REPORT

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Nam	e	
30-015-39454	51300 Red Lake, Queen-G		rayburg-San Andres	
⁴ Property Code 38839-39000	•	ty Name NG 6 M	Well Number	
⁷ OGRID No.	⁸ Operat	or Name	⁹ Elevation	
255333 LIME ROCK		SOURCES A, L.P.	3335' GL	

¹⁰ Surface Location

JUL or lot no.	Section	rownsmb .	Kange	1.01 100	reet from the	North/South line	rect from the	East/West line	County
M	6	18 - S	27-E	7	660	SOUTH	330	WEST	EDDY
<u> </u>			¹¹ Bo	ottom Ho	le Location I	f Different Fron	m Surface		
UL or let 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	975	SOUTH	341	WEST	EDDY

12 Dedicated Acres ¹³ Joint or Infill 14 Consolidation Code ¹⁵ Order No. 40

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

GIVISION.				
				17 OPERATOR CERTIFICATION
				I hereby certify that the information contained herein is true and complete
Į.				to the best of my knowledge and belief, and that this organization either
1				owns a working interest or unleased mineral interest in the land including
				the proposed buttom hole location or has a right to drill this well at this
1				location pursuant to a contract with an owner of such a mineral or working
			,	interest, or to a voluntary pooling agreement or a compulsory pooling
				order heretofore entered by the division.
		·		" Mike tippin 2/27/17
				Signature Date
			,	Mike Pippin
				Printed Name
		ĺ		
	 			10
				18SURVEYOR 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
BOTTOM HOLE	ļ			same is true and correct to the best of my belief.
AS DRILLED				8/12/11
AS DIVILLED				Date of Survey
				R '
341'				Signature and Seal of Professional Surveyor.
φ,				Gary Eidson
330, 5	÷			
-0-1-0				
2				12641
,099	SURFACE			Certificate Number
9	7			Commission remarks

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

MAMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-015-39454	Pool Code 5 1/20			
Property Code 39 000		erty Name VG 6M	Well Number 2	
OGRID No. 255333		rator Name ESOURCES A, L.P.	Elevation 3335'	
	Surfac	e 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	,	Lot ldn	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	Joint or	Infill	Consolidation C	ode Ord	ler No.				
40.43						· · · · · · · · · · · · · · · · · · ·			

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	OPERATOR CERTIFICATION
	CORNER COORD	NATES TABLE	GEODETIC COORDINATES NAD 27 NME	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
. 1	A - Y=646365.0 N	I, X=502266.1 E	SURFACE LOCATION	unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this
	⊕ - Y=646336.6 N	I, X=503582.9 E	Y=644379.9 N X=502595.1 E	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
	C - Y=643725.7 M	I, X=502264.8 E	LAT.=32.771492° N LONG.=103.324891° W	heretofare entered by the division.
LOT 5	Ø - Y=643702.4 M	I, X=503598.1 E	BOTTOM HOLE LOCATION	act LA
			Y=644679.3 N	Signature Date
		•	X=502625.2 E	MIKE PIPPIN Printed Name
	,			MIKE@PIPPINLLC, COM E-mail Address
A LOT 6 B				SURVEYOR CERTIFICATION
				I bereby 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
1				Date of Survey Signature & Seal of Professional Surveyor.
LOT 7				MEN MEN
330' GRID AZ.	=05*44*54** IST.=301.0*			(12041) 55 Man. ort De. Steal
-,099		.		Certificate Minnher Gray G. Eidson 12641 Regarded J. Eidson 3239
				DSS JWSC W.O.: 11.13.2253

McMillan, Michael, EMNRD

Michael.McMillan@state.nm.us

From:	Mike Pippin <mike@pippinllc.com></mike@pippinllc.com>
Sent:	Tuesday, March 7, 2017 3:51 PM
To:	McMillan, Michael, EMNRD
Subject:	Re: Lime Rock Stirling 6 M Well No. 2
	g 6 m #2 is fee, but I'm not sure what NMSLO stands for. Many of the DHC we obtained in in the company LRE, which was sold to Vanguard Operating, LLC.
On Tue, Mar 7, 201	17 at 12:26 PM, McMillan, Michael, EMNRD < Michael. McMillan@state.nm.us > wrote:
Mike:	
Does the NMSLO sent?	have the mineral rights in the Lime Rock Stirling 6 M Well No. 2 for the latest DHC you
Based on the NMS	SLO website and the OCD records it shows the minerals as fee.
By the way has Li	me Rock done any DHC workovers for the applications you sent in 1015 and 2016?
Thanks	
Mike	
٠.	
MICHAEL A. M	CMILLAN
Engineering Burea	au, Oil Conservation Division
1220 south St. Fra	ncis Dr., Santa Fe NM 87505
O: <u>505.476.3448</u>	