

RECEIVED
Form 3160-5
(August 2007)
AUG 13 2010
NMOCD ARTESIA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCD-ARTESIA

FORM APPROVED
OMB No 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM048344

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Pure Federal #1 Facility C

2. Name of Operator
Lime Rock Resources A, L.P.

9. API Well No.
30-015-35132

3a. Address
1111 Bagby Street, Suite 4600
Houston, Texas 77002

3b. Phone No. (include area code)
713-292-9514

10. Field and Pool or Exploratory Area
Red Lake; QN-GB-SA (51300)

4. Location of Well (Footage, Sec, T., R., M., or Survey Description)
2,310' FNL & 330' FEL (SE 1/4 / NE 1/4) of Sec 21, T17S, R28E, NWP

11. Country or Parish, State
Eddy Co., NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Variance to
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	OO#4.III.C.1

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Lime Rock Resources A, L.P. requests a variance from Onshore Order #4.III.C.1 for the Pure Federal #1 Tank Battery, Federal Lease #NMNM048344, for the use of Exterior Gauging Equipment and is attaching the following information:

1. Pumpers Daily Gauge sheets for the last 3 months.
2. Run Tickets for the last 6 sales that include oil gravity.
3. H2S Concentration in the storage tanks & gas stream.

Exterior gauging system that is not vapor tight will not be approved.

Tanks must be liquid and vapor tight;

Rejected in August 8/9/2010

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
C. Tim Miller

Title Chief Operating Officer

Signature

C. Tim Miller

Date 01/08/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

DSB

COA

SDX RESOURCES, INC.

MONTHLY GAUGE REPORT

Pumper

Pro Kem 575-441

Sem Crude 325-88

Name: PURE FEDERAL

Month / Year 9-09

LRR Lse # 26800

Trans Lse #

GYS 575-748-1

0193990			Tank # 0193991			Tank #						Total Oil Prod. BBL	Total Gas Prod. MCF	Produced Water		Wells #1,2,3,4	
300 1.66		BBL Oil Prod.	Size 300 BBL/In. 1.66		BBL Oil Prod.	Size BBL/In.		BBL Oil Prod.						Meter or Gauge	BBL	Aug 16 oil 33 mcf 5	
In.	Frac.	Prod.	Fl.	In.	Frac.	Prod.	Ft.	In.	Frac.	Prod.	Static					Comments	
7	1/2		10	9	1-1						29.7	21.58	54.7	92829	79	#1 6 oil 22 mcf	24
			12	0	1-1	1-3					27.2	24.90	54.4	92979	150	#1 9 oil 21 mcf	96
7	1/2		13	4	1/4	1-4 1/4					28.0	26.97	39.8	93122	143	#1 11 oil 7 mcf	89
0		1-4 1/2									30.0	27.39	51.7	93188	66	#1 11 oil 19 mcf	31
1		1-1									26.8	21.58	53.5	93321	133	#1 6 oil 21 mcf	79
5		1-4	13	3	1/4						30.1	26.56	45.7	93408	89	#1 11 oil 13 mcf	33
8		1-3	3	1	1-2 1/2						25.6	24.90	55.1	93567	159	#1 9 oil 22 mcf	16
1		1-5									29.3	28.22	41.4	93716	149	#1 12 oil 8 mcf	9
6		1-5									25.2	28.22	50.5	93795	79	#1 12 oil 18 mcf	2
10	1/2	1-4									28.1	26.96	50.1	93910	115	#1 11 oil 17 mcf	
0		1-2	3	1							33.9	21.24	53.3	94010	130	#1 7 oil 20 mcf	
8		1-2 1/2	4	2		1-1					25.9	21.58	46.7	94148	108	#1 6 oil 14 mcf	
			5	6		1-4					26.2	26.56	39.8	94208	122	#1 11 oil 17 mcf	
8			7	0		1-6					25.9	21.88	46.0	94414	149	#1 3 oil 13 mcf	
			8	3		1-3					28.0	24.90	48.3	94476	62	#1 9 oil 16 mcf	
			9	4		1-1					25.4	21.58	53.6	94605	129	#1 6 oil 21 mcf	
			10	10		1-6	#1 33% Clock				30.1	29.88	35.0	94735	130	#1 13 oil 2 mcf	
8			12	1 1/2	1-1 1/2	1-3 1/2					26.2	25.73	43.7	94801	66	#1 10 oil 11 mcf	
9		1-1									26.9	21.58	48.1	94928	127		
2		1-5									24.9	28.22	45.2	95057	129		
10		1-8	12	1	1/2						28.4	33.20	37.1	95139	82		
1		1-3	3	6		#1 9452058					26.1	24.90	43.9	95286	117		
4		1-3									27.8	24.90	40.0	95363	77		
7		1-3									26.2	24.90	39.4	95510	147		
10 1/2	1-1 1/2	1-3 1/2	3	6							25.6	25.73	42.3	95603	93		
10	1 1/2	#1 9452163	4	8		1-2					25.9	23.24	40.0	95703	100		
			6	4		1-6					26.8	29.88	47.9	95797	94		
10	1/2		7	6		1-2					27.5	23.24	49.7	95943	146		
			8	10		1-4					26.6	26.56	36.5	96007	64		
			9	11		1-1					25.5	21.58	46.7	96102	95		
10	1/2		11	5	1-1 1/2	1-6					24.9	29.88	37.0	96251	149		

SDX RESOURCES, INC.

MONTHLY GAUGE REPORT

Pumper B. White

Pro Kem 575-441

Sem Crude 325-61

GYS 575-748-1

Name: PURE FEDERALMonth / Year: 10/2005LRR Lse # 26800

Trans Lse #

0193990			Tank # 0193991			Tank #						Total	Total	Produced Water		Wells
300	BBL	Size	300	BBL	Size							Oil	Gas	Meter		#1,2,3,4
1.68	Oil	BBL/In.	1.68	Oil	BBL/In.							Prod.	Prod.	or		
In	Frac	Prod.	Fl	In	Frac	Prod.	Fl	In	Frac	Prod.	Static	BBL	MCF	Gauge	BBL	Comments
10	1/2		11	5	T/L	1-6					24.9	29.88	37.0	96251	149	
10	1/2		12	8		1-3					26.0	24.90	43.9	96318	67	
10	1 1/2										26.7	18.09	50.1	96436	118	
2		1-4	12	8							26.7	26.56	33.6	96566	130	
8		1-6	2	6	1/2	9242731					25.6	29.88	38.1	96654	88	
1		1-5									26.4	28.22	38.8	96719	65	
3		1-2									27.1	23.24	45.3	96838	119	
6		1-3									33.2	24.90	41.6	96961	123	
0	1/2 T/L	1-6 1/2	2	6	1/2						28.6	30.71	46.0	97007	40	
			8	4		947					23.5	15.77	40.7	97007	10	
			6	9		1-5					24.8	28.22	38.3	97260	149	
0	1/2		6	1		1-5					24.4	28.22	39.1	97330	70	
0	1/2		7	4		1-3					26.4	24.90	40.3	97414	89	
11	1/2	9272829	9	0		1-8					24.3	33.20	31.9	97575	136	
			10	5		1-5					26.2	28.22	41.1	97704	129	
11	1/2		11	8	T/L	1-3					34.7	21.90	42.7	97773	69	
2		1-2 1/2									24.4	24.07	41.5	97868	95	
4		1-2									25.7	23.24	38.5	97933	65	
10		1-6	11	8							25.4	29.88	28.0	98082	149	
3		1-5	1	10		9242768					24.6	28.22	39.5	98183	101	
4		1-1									25.3	21.58	40.8	98183	0	41 Down / Low Voltage 41
10	T/L	1-6									33.3	29.88	37.8	98361	178	
11	3/4	1-1 3/4	1	6							24.3	22.82	37.9	98442	81	
			2	6		1-0					25.8	19.92	35.2	98569	127	
			4	10		1-6					26.6	29.88	39.6	98632	63	
11	3/4		5	3		1-3					26.2	24.90	35.8	98714	80	
9	3/4	9242762	6	7		1-4					27.0	26.56	31.2	98714	0	Hauled 130 bbls
			7	11		1-4					25.8	26.56	27.6	98714	0	
			9	2		1-3					25.5	24.90	33.4	98958	244	
			10	6	T/L	1-4					29.1	26.56	32.0	99026	63	
9	3/4		11	9	1/2	1-3 1/2					29.2	25.73	33.1	99137	111	
3		1-5 1/4									29.5	28.64	39.2	99283	96	

DX RESOURCES, INC.

MONTHLY GAUGE REPORT

Pumper B. White

Pro Kem 575-441

Sam Crude 325-69

GYS 575-748-1

me: **PURE FEDERAL**Month / Year Nov. 09

LRR Lse # 26800

Trans Lse #

0193990			Tank # 0193991			Tank #						Total Oil Prod: BBL	Total Gas Prod: MCF	Produced Water: Meter or Gauge, BBL		Wells #1,2,3,4	Comments
300	BBL	Size	300	BBL	Size	300	BBL	Size	300	BBL	Size						
1.66	Oil	BBL/ln.	1.66	Oil	BBL/ln.	1.66	Oil	BBL/ln.	1.66	Oil	BBL/ln.						
In.	Frac.	Prod.	Fl.	In.	Frac.	Prod.	Fl.	In.	Frac.	Prod.	Fl.	Static					
3		1-5/4	11	9	1/2							29.5	28.64	37.2	99233	96	
4		1-1	1	7		924279						25.7	21.58	35.6	99305	72	
9		1-5										29.5	29.22	41.0	99467	162	
1		1-4										26.5	26.56	34.5	99566	99	
4		1-3										27.1	24.90	26.2	99637	71	
7		1-3										30.1	24.90	39.6	99734	97	
11		1-4										27.4	26.56	38.7	99799	68	
11	T/E	1-0	1	7								27.0	19.92	43.5	99973	174	
			2	11		1-4						26.0	26.56	37.6	100063	90	
			11	1		1-5						25.4	28.22	40.1	100127	71	
11			5	7		1-3						25.5	24.90	37.1	100278	141	
9		1-3	7	4		1-9						26.1	30.56	31.2	100329	111	
			9	7		1-3						26.6	20.90	28.7	100424	45	Changed Oil
			10	0		1-5						32.4	28.22	33.9	100507	153	
			11	2		1-2						31.7	28.24	34.3	100630	93	
9			12	4	T/E	1-2						33.3	23.24	32.6	100764	89	
11		1-2	12	1								27.1	23.24	31.6	100861	92	
0		1-1	3	6		9273013						26.2	21.58	32.5	100927	66	
2		1-2										25.7	23.24	33.7	101013	86	
11		1-9										25.6	34.86	38.3	101184	171	
3		1-4										27.5	26.56	28.2	101280	96	
4		1-1										28.2	21.58	36.5	101351	71	
1	T/E	1-9										31.1	34.86	27.2	101441	90	
2	1/2	1-1/2	3	6								30.3	22.41	26.8	101526	135	
			4	6		1-0						26.7	19.92	29.4	101674	98	
2	1/2		6	3		1-9						27.1	34.86	27.7	101793	119	
11		1-2	7	5		1-2						28.1	23.24	24.6	101867	68	
			8	5		1-0						26.6	19.92	35.8	101908	47	
			9	9		1-3						25.5	24.90	39.4	102067	99	
			10	11	T/E	1-3						26.3	24.90	32.8	102105	98	
11	1/2		12	1		1-2						31.4	23.24	31.7	102198	93	



ConocoPhillips Company
1130 Plaza Office Building
Bartlesville, OK 74004

FACILITY
STATEMENT
OF RUNS

FACILITY NAME: PURE FEDERAL 1
FACILITY/BATTERY NUMBER: 2242667 / 2242667

DATE: SEPTEMBER 2009
PAGE: 22

OPERATOR: LIME ROCK RESOURCES A LP STATE: NM COUNTY: EDDY
PRICE SCHEDULE: PLAINS MARKETING, L. PLAINS MARKETING, L.P., WTI/NMI +P+ +MWTS -CWTI

215055
LIME ROCK RESOURCES A LP
SUITE 4600
1111 BAGBY ST
HOUSTON TX
77002

CURRENT MONTH PRICE REFLECTS:
MARKETING DEDUCTION OF 1.4500 PER BBL
PRICING IS BASED ON A 40.0 GRAVITY BASIS
PRICING METHOD: WEIGHTED AVERAGE

BARRELS	GROSS VALUE	TRANSPORTATION	TAX	NET VALUE
751.35	48,543.07	.00	3,950.75	44,592.32

DATE	TKT NO.	TRN TKT TYP TYP	GRAV	PRICE	BARRELS	GROSS VALUE
09/06/09	9242685	0 TK	36.00	64.608	200.91	12,980.35
TANK NO: 0193991						
09/11/09	9272877	0 TK	36.30	64.608	184.12	11,895.59
TANK NO: 0193990						
09/21/09	9453258	0 TK	35.80	64.608	169.00	10,918.72
TANK NO: 0193991						
09/25/09	9453263	0 TK	35.70	64.608	197.32	12,748.41
TANK NO: 0193990						
TRANSPORTER: SEMGROUP LP						
RUN MONTH TOTAL					751.35	48,543.07
FACILITY TOTAL					751.35	48,543.07

REPORT CENTER/TYPE NAME	DATE	BARRELS	TAX	NET VALUE
0002878197000A1 / HLCO	09/09			
PURE FEDERAL #1		751.35	3,950.75	44,592.32
HLCO TOTAL		751.35	3,950.75	44,592.32
FACILITY TOTAL		751.35	3,950.75	44,592.32

TICKET TYPE
TK OR R = TANK TICKET
MT OR T = METER TICKET
GV = GROSS TICKET
NV = NET VOLUME
RJ = REJECT TICKET
WT = WEIGHT TICKET

TRANSACTION TYPE
O = ORIGINAL
R = REVERSING
C = CORRECTING

PAYMENTS ARE BEING MAILED UNDER SEPARATE COVER.
RETAIN THIS STATEMENT FOR TAX PURPOSES.
FOR INQUIRIES: IF YOUR LAST NAME OR COMPANY
BEGINS WITH:
A-C, CALL (918)661-0903
D-H, CALL (918)661-0904
I-M, CALL (918)661-0905
N-S, CALL (918)661-0906
T-Z, CALL (918)661-0907



ConocoPhillips Company
1130 Plaza Office Building
Bartlesville, OK 74004

FACILITY
STATEMENT
OF RUNS

FACILITY NAME: PURE FEDERAL 1
FACILITY/BATTERY NUMBER: 2242667 / 2242667

DATE: OCTOBER 2009
PAGE: 26

OPERATOR: LIME ROCK RESOURCES A LP STATE: NM COUNTY: EDDY
PRICE SCHEDULE: PLAINS MARKETING, L. PLAINS MARKETING, L.P., WTI/NMI +P+ +MWTs -CWTI

215055
LIME ROCK RESOURCES A LP
SUITE 4600
1111 BAGBY ST
HOUSTON TX
77002

CURRENT MONTH PRICE REFLECTS:
MARKETING DEDUCTION OF 1.4500 PER BBL
PRICING IS BASED ON A 40.0 GRAVITY BASIS
PRICING METHOD: WEIGHTED AVERAGE

BARRELS	GROSS VALUE	TRANSPORTATION	TAX	NET VALUE
784.80	55,963.30	.00	4,554.68	51,408.62

DATE	TKT NO.	TRN TYP	TKT TYP	GRAV	PRICE	BARRELS	GROSS VALUE
✓ 10/04/09	9242731	0	TK	36.60	71.309	200.59	14,303.87
				TRANSPORTER: SENGROU LP			
✓ 10/13/09	9272939	0	TK	36.40	71.309	181.51	12,943.30
				TRANSPORTER: SENGROU LP			
10/19/09	9242768	0	TK	37.40	71.309	199.45	14,222.58
				TRANSPORTER: SENGROU LP			
10/26/09	9242782	0	TK	39.20	71.309	203.25	14,493.55
				TRANSPORTER: SENGROU LP			
RUN MONTH TOTAL						784.80	55,963.30
FACILITY TOTAL						784.80	55,963.30

REPORT CENTER/TYPE NAME	DATE	BARRELS	TAX	NET VALUE
0002878197000A1 / HLCO	10/09			
PURE FEDERAL #1		784.80	4,554.68	51,408.62
HLCO TOTAL		784.80	4,554.68	51,408.62
FACILITY TOTAL		784.80	4,554.68	51,408.62

TICKET TYPE
TK OR R = TANK TICKET
MT OR T = METER TICKET
GV = GROSS TICKET
NV = NET VOLUME
RJ = REJECT TICKET
WT = WEIGHT TICKET

TRANSACTION TYPE
O = ORIGINAL
R = REVERSING
C = CORRECTING

PAYMENTS ARE BEING MAILED UNDER SEPARATE COVER.
RETAIN THIS STATEMENT FOR TAX PURPOSES.
FOR INQUIRIES: IF YOUR LAST NAME OR COMPANY
BEGINS WITH:
A-C, CALL (918)661-0903
D-H, CALL (918)661-0904
I-M, CALL (918)661-0905
N-S, CALL (918)661-0906
T-Z, CALL (918)661-0907



H2S RADIUS OF EXPOSURE

LIME ROCK RESOURCES

PURE FEDERAL BATTERY

Oil Tanks #

0193971

H2S Concentration - PPM - 300

MCF/Day - 53

500 PPM Radius of Exposure - 3 ft

100 PPM Radius of Exposure - 8 ft

Oil Tanks #

H2S Concentration - PPM -

MCF/Day -

500 PPM Radius of Exposure -

100 PPM Radius of Exposure -

Water P/W

H2S Concentration - PPM - 600

MCF/Day - 53

500 PPM Radius of Exposure - 5 ft

100 PPM Radius of Exposure - 12 ft

Wildcat Measurement Service
P.O.Box 1836
416 East Main Street
Artesia, NM 88211-1836

3/30/2009 10:43 AM
Phone: 575-746-3481
888-421-9453
Fax: 575-748-9852
dnorman@wildcatms.com

GAS ANALYSIS REPORT

Analysis For: FRONTIER FIELD SERVICES, L.L.C.
Field Name: EMPIRE ABO
Well Name: PURE FEDERAL #1
Station Number: 631151
Purpose: QUARTERLY
Sample Deg. F: 98.9
Volume/Day:
Formation:
Line PSIG: 14.0
Line PSIA: 27.2

Run No: 290319-11
Date Run: 03/19/2009
Date Sampled: 03/17/2009
Producer: LIME ROCK RESOURCES
County: EDDY
State: NM
Sampled By: FRED TORREZ
Atmos Deg. F:

GAS COMPONENTS			
		MOL%	GPM
Oxygen	O2:	0.0000	
Carbon Dioxide	CO2:	0.4305	
Nitrogen	N2:	3.6925	
Hydrogen Sulfide	H2S:	0.1000	
Methane	C1:	55.7424	
Ethane	C2:	16.9164	4.4984
Propane	C3:	11.8079	3.2346
Iso-Butane	IC4:	1.8285	0.5950
Nor-Butane	NC4:	4.7246	1.4810
Iso-Pentane	IC5:	1.4639	0.5323
Nor-Pentanes	NC5:	1.4360	0.5176
Hexanes Plus	C6+:	1.8573	0.8031
Totals		100.0000	11.6619

Pressure Base: 14.650
Real BTU Dry: 1590.691
Real BTU Wet: 1562.767

Calc. Ideal Gravity: 0.9711
Calc. Real Gravity: 0.9772
Field Gravity:
Standard Pressure: 14.696
Ideal BTU Dry: 1585.093
Ideal BTU Wet: 1557.513
Z Factor: 0.9934
Average Mol Weight: 28.1256
Average CuFt/Gal: 50.5849
26 lb. Product: 2.8044
Ethane+ GPM: 11.6619
Propane+ GPM: 7.1635
Butane+ GPM: 3.9289
Pentane+ GPM: 1.8530

Remarks:
H2S IN GAS STREAM ON LOCATION: 0.1000% = 1,000 PPM

Analysis By: Don Norman