Form 3160 -3 (August 2007) OCD-Artesia

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

Lease Serial No. NM-g7716

5.	If Indian,	Allotee	or Tribe	Name

APPLICATION FOR PERMIT TO	6. If Indian, Allotee or Tribe Name 705			
la. Type of work DRILL REENT	ER		; .	7 If Unit or CA Agreement, Name and No. 76/
lb. Type of Well: Oil Well Gas Well Other	. Sin	gle Zone Multip	ole Zone	8. Lease Name and Well No. VANDAGRIFF "8" FEDERAL #4 239
2. Name of Operator LIME ROCK RESOURCES II-A, L.P.		-297558	>	9. API Well No. 30-015-40805
3a. Address 1111 BAGBY ST., STE 4600 HOUSTON, TX 77002	3b. Phone No. 713-292-95	(include area code)	1	10. Field and Pool, or Exploratory
				RED LAKE; GLORIETA-YESO &57//2
Location of Well (Report location clearly and in accordance with a At surface 330' FNL & 990' FWL		11. Sec., T. R. M. or Blk. and Survey or Area UNIT D - SEC. 8 - T18S - R27E		
At proposed prod. zone SAME	•		٠.	
14. Distance in miles and direction from nearest town or post office* 8 MILES SOUTHEAST OF ARTESIA, NM	. :	:	•	12. County or Parish 13. State NM
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of ac	cres in lease	17. Spacir	g Unit dedicated to this well 40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed 5000'	Depth	20. BLM/ NMB-00	BIA Bond No. on file 0716
21. Elevations (Show whether DF, KDB, RT, GL, etc.)		nate date work will star	rt*	23. Estimated duration
- 3418' GL	07/01/2012	!		2-3 WEEKS
	. 24. Attac	hments		·
The following, completed in accordance with the requirements of Onsho	ore Oil and Gas (Order No.1, must be at	tached to th	is form:
Well plat certified by a registered surveyor. A Drilling Plan.		4. Bond to cover the Item 20 above).	he operatio	ns unless covered by an existing bond on file (see
3. A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).	Lands, the	5. Operator certific6. Such other siteBLM.		ormation and/or plans as may be required by the
25. 8: -1	I Name	/D		In.

Name (Printed/Typed) LISA BARFIELD dba PETRO ENERGY GROUP Title POA AGENT FOR LIMEROCK RESOURCES II-A, L.P.

Approved by (Signature)

Is/ James A. Armos

Name (Printed/Type /s/ James A. Arios

Date

*(Instructions on page 2)

Title

Office

Application approval does not warrant or certify that the applicant holds legal or equitable title ntitle the applicant to

conduct operations thereon. Conditions of approval, if any, are attached.

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.

(Continued on page 2)

OCT 18 2012

NMOCD ARTESIA

SEE ATTACHED FOR CONDITIONS OF APPROVAL **SPECIAL STIPULATIONS ATTACHED**

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 1220 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, NM 87505

Form C-102 Revised October 15,2009 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	API Numbe	r / / / 0	,]	² Pool Cod		_	³ Pool Na				
30-0	D15~	- 7 <i>0</i> 80	\$511	EDLAKEJG	LORISTA-4	eso	•				
Propert"	2000				³ Property	Name			⁶ Well Number		
3951	7.		VANDAGRIFF "8" D FEDERAL								
OGRID!	10.				8 Operator	Name			⁹ Elevation		
277 ₂₅₅₃₃	,558			LIM	E ROCK RES	OURCES A.L.P.			3418.1		
					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		
D	8	18 S	27 E		330	NORTH	990	WEST	EDDY		
<u></u>		·	11 Bc	ttom Ho	le Location I	f Different From	n Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
D	8	18 S	27 E		330	NORTH	990	WEST	EDDY		
² Dedicated Acres	13 Joint of	r Infill 14 C	onsolidation	Code 15 O	rder No.		h				
40											
,	I										
	vill be ass	igned to th	is complet	ion until a	ll interests have	been consolidated	or a non-standar	d unit has been	approved by the		
ivision.											

SURFACE N	N CORNER SEC. 8	N Q CORNER SEC. 8	NE CORNER SEC. 8	17 OPERATOR CERTIFICATION
	Tl = 32.7694492'N	LAT. = 32.7694395 'N	LAT. = 32.7694296'N	I hereby certify that the information contained herein is true and complete
	NG. = 104.3085085'W	LONG. = 104.2999240'W	LONG. = 104.2913487'W	to the best of my knowledge and belief, and that this organization either
30,		1	i	owns a working interest or unleased mineral interest in the land including
h n	Ì	İ		the proposed bottom hole location or has a right to drill this well at this
VANDAGRIFF "8" D	FEDERAL #4	1		location pursuant to a contract with an owner of such a mineral or working
ELEV. = 3418.1' LAT = 32.7685387'N	J. (NAD27)		!	interest, or to a voluntary pooling agreement or a compulsory pooling order
LONG. = 104.305290		1		heretofore entered by the division.
				Printed Name RICHARD LOGAN BOUGHAN
W Q CORNER SEC. 8 LAT. = 32.7621989'N			E Q CORNER SEC. 8	*SURVEYOR CERTIFICATION
LONG. = 104.3085214'W			LONG. = 104.2913929'W	I hereby certify that the well location shown on this plat
	İ	İ		was plotted from field notes of actual surveys made by
		1		
1				me or under my supervision, and that the same is true
	;			and correct to the best of my belief
		!		OCTOBER 14:2011 M MEX
SM CODNED SEC. 9	NOTE: INOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH	} - , ,		Date of Survey Signature and Seal of Professional Surveyor Certificate Number: FILIMON F JARAMIELO, PLS 12797
SW CORNER SEC. 8 LAT. = 32.7549446'N LONG. = 104.3085334'W	AMERICAN DATUM OF 1927 (NAD27), AND ARE IN DECIMAL DEGREE FORMAT.		SE CORNER SEC. 8 LAT. ≈ 32.7549995'N LONG. ≈ 104.2914412'W	THE CAND STANDARD NO. 622

CERTIFICATION:

I hereby certify that I have inspected the proposed drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have knowledge of state and Federal laws applicable to this operation; that the statements made in the APD package are, to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed in the conformity with this APD package and the terms and conditions which it is approved. I also certify that I, or the company I represent, am/is responsible for the operations conducted under this application. These statements are subject to the provisions of 18U.S.C. 1001 for the filing of a false statement.

Executed this April 25, 2012

Lisa Barfield POA Agent for Lime Rock Resources II-A, L.P. 12777 Jones Rd., Ste 385 Houston, TX 77070 281-890-1818 (office)

POWER OF ATTORNEY

DESIGNATION OF AGENT

Lime Rock Resources II-A, L.P. hereby names the following person as its agent:

Name of Agent: Lisa Barfield dba Petro Energy Group

Agent's Address: 12777 Jones Road Suite 385 Houston, Texas 77070

Agent's Telephone Number: 281-890-1818

GRANT OF SPECIAL AUTHORITY

Lime Rock Resources II-A, L.P grants its agent the authority to act for it with the respect to the following only:

- 1. Executing forms required to be filed with the Oil Conservation Division of the New Mexico Energy, Minerals, and Natural Resources Department.
- 2. Executing forms required to be filed with the Bureau of Land Management of the Department of Interior of the United States of America.

EFFECTIVE DATE

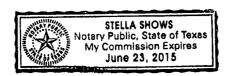
This power of attorney is effective immediately.

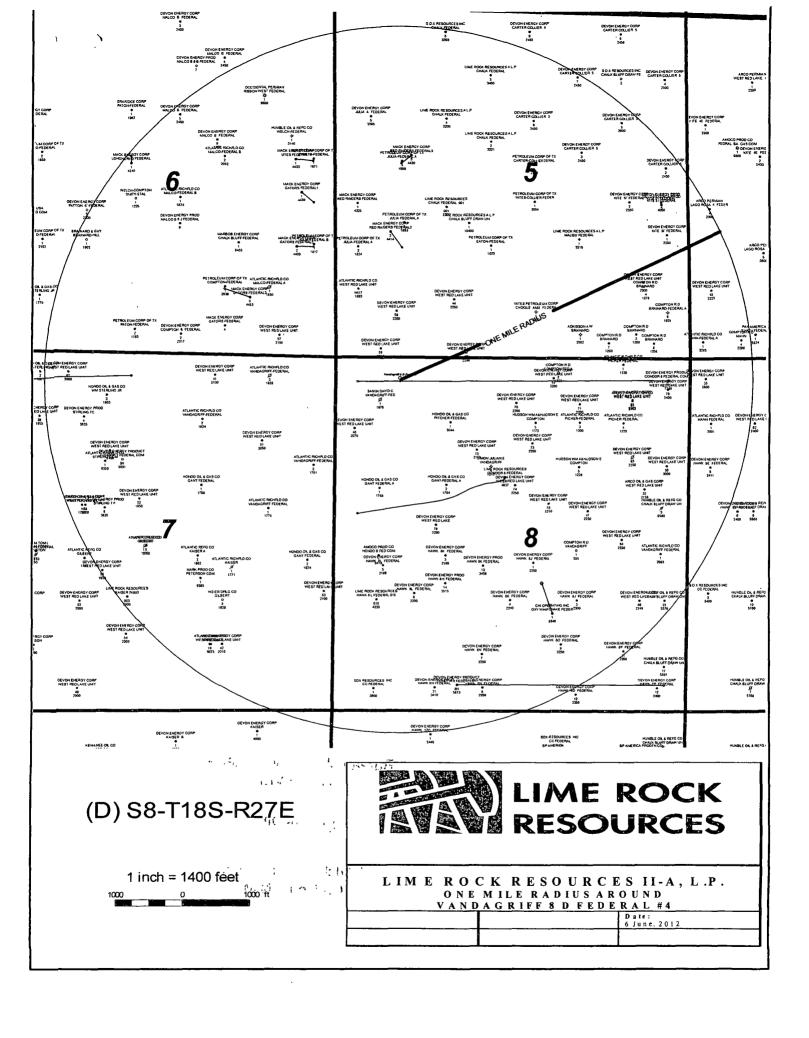
RELIANCE ON THIS POWER OF ATTORNEY

Any person, including the agent, may rely upon the validity of this power of attorney or a copy of it unless that person knows it has terminated or is invalid.

SIGNATURE AND ACKNOWLEDGEMENT

Lime Rock Resources II-A, L.P.
By:
Name: Charles Adcock
Title: Co-Chief Executive Officer
Date: 4/13/2012
Address: 1111 Bagby Street, Suite 4600, Houston, TX 77002
State of TEXAS County of HARRIS
This instrument was acknowledged before me on ADY 1 3 ,2012 by HUA Shows of Lime Rock Resources II-A, L.P. acting on behalf of said limited partnership
Signature of notarial officer: All All Moule My commission expires: My Commission expires:





APPLICATION FOR PERMIT TO DRILL LIME ROCK RESOURCES II-A, L.P

VANDAGRIFF "8" D FEDERAL #4

330' FNL & 990' FWL, Unit D-Sec. 8-T18S-R27E

Eddy County, NM Lease Number: NM-7716

In conjunction with Form 3160-3, Application for Permit to Drill subject well, LIME ROCK RESOURCES II-A, L.P submits the following items of pertinent information in accordance with BLM requirements:

1. and 2. The geologic name of the surface formation is recent Permian with Quaternary alluvium and other surficial deposits.

Estimated tops of geologic markers: (Note - no water wells within 16,400')

<u>FORMATION</u>	<u>DEPTH</u>	FORMATION FLUID CONTENT
Quaternary – Alluvium	Surface	NA
Triassic (down to)	300'	Water
7 Rivers Sand	Not Present	NA
Queen	486'	Oil and Gas
Grayburg	897'	Oil and Gas
Premier	1120'	Oil and Gas
San Andres	1172'	Oil and Gas
Glorieta	2506'	Oil and Gas
Yeso	2665'	Oil and Gas
Tubb	4163'	Oil and Gas
Total Depth	5000'	Total Depth

- 3. The elevation of the unprepared ground is 3418.1' feet above sea level.
- 4. and 5. A rotary rig will be utilized to drill the well to a total depth of 5200' and run casing. This equipment will be rigged down and the well will be completed with a workover rig.

6. And 7. Proposed Casing and Cement program is as follows:

														_
Casing Type	Hole Size	Casing Size	Casing Wt, PPF	Casing Grade	Thread	Casing Cond	Depth	SX CMT	Density, PPG	Yield, Cu ft/Sk	Cement Slurry	Excess Cement %	тос	
Conductor	26"	20"	91 5	В	Weld	New	60'	NA	NA	NA	Ready mix	NA .	Surface	
Surface	12 25"	8 675"	24	J-55	ST&C	New API	425'	280	14.8	1.35	CI C Cmt +0 25 lbs/sk Cello Flake +2% CaCl2	-200%	Surface	Sel Sof
Production	7 875"	5,5"	17	J-55	LT&C	New	5000'	325	12.8	1.903	(35:65)Poz/Cl C Cmt + 5% NacL + 0125lb/sk Cello Flake+ 5lbs/sk LCM-1+ 0 2% R-3 +6% Gel	100%	Surface	
Froduction	, 675]	''	J-55	LIGO	API	3000	630	630 14 8 1.33		Class C w/ 0 6% R-3 amd 1/4 pps cello flake	50%	Surface	

Note:

Production String volumes will be adjusted based on borehole caliper log volumes and actual depth drilled using 35% excess above borehole caliper volume, unless wash out beyond caliper arm reach, then will use original excess cement percentages.

Note:

All casing designed with the following safety or design factors: Collapse = 1.2, Burst – 1.18 and tension = 2

8. Proposed Mud Program is as follows

Depth	0-425'	425-4900'	4900-5000'
Mud Type	Fresh Water	Brine	Brine w/ Gel & Starch
		Properties	
MW	8.5-9.2	9 9-10.2	9 9-10.2
рН	10	10-11 5	10-11 5
WL	NC	NC	15-20
Vis	28-34	30-32	32-35
MC	NC	NC	1
Solids	NC	<2%	<3%
Pump Rate	300-350gpm	350-400gpm	400-450gpm
Special	LCM as Req	Salt Gell & MF as Req'd pmp Hi Vis sweeps to control solids	Salt gel, Acid & MF as req. Pmp Hi Vis sweeps to control Solids

9. Pressure Control Equipment: See Attached Description and diagram of Pressure Control Equipment.

10. Testing, Logging and Coring Program Gee COA

Testing Program: None

Electric Logging Program: Gamma Ray – Dual Laterlog – Compensated Neutron/Density Log

from total depth to surface casing . Gamma Ray – Neutron log

from bottom of Surface casing to surface.

Coring Program: None

11. Potential Hazards:

No abnormal temperatures or pressures are expected. There is no expected H2S from this well. An H2S drilling plan is included and will be followed according to the provisions of Onshore Oil and Gas Order No. 6. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 2200 psi based on 0.44 x TD. The estimated BHT is 135°F.

12. Duration of Operations:

Anticipated spud date will be soon after approval and as soon as a rig will be available. Move in operations and drilling is expected to take 10 days. An additional 14 days will be needed it complete the well and to construct surface facilities.

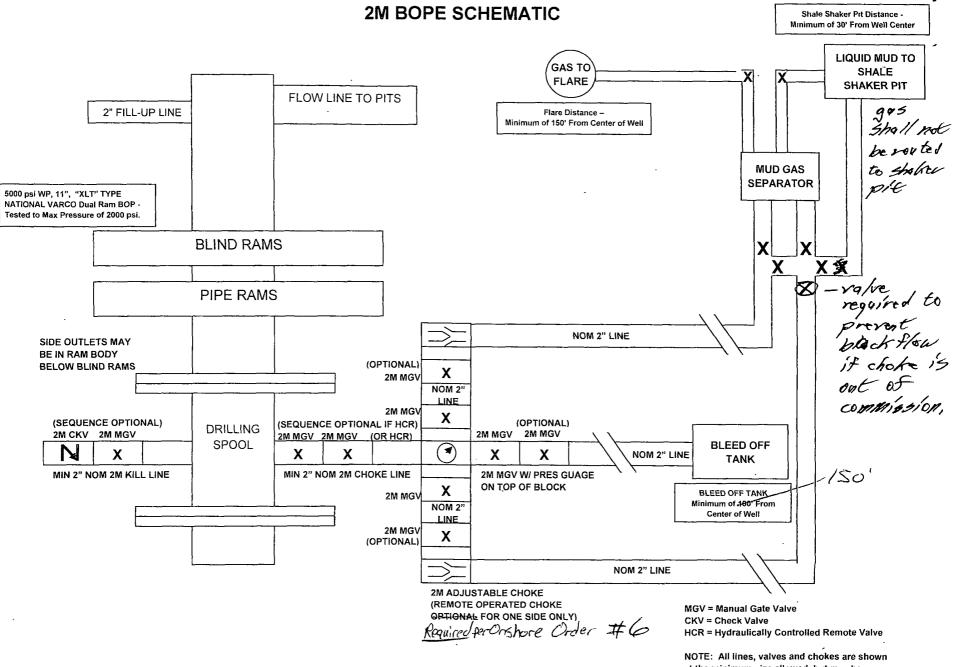
Pressure Control Equipment

The blowout preventer equipment (BOP) will consist of a 5000 psi rated, 11", "XLT" type, National VARCO double ram preventer that will be tested to a maximum pressure of 2000 psi. The unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and drill pipe rams on bottom. The 2M BOP will be installed on the 8 5/8" surface casing and utilized continuously until total depth is reached. All casing strings will be tested as per Onshore Order #2. This also includes a thirty day (30) test, should the rig still be operating on the same well in thirty days.

Pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily drilling logs.

The BOP equipment will consist of the following:

- Double ram with blind rams (top) and pipe rams (bottom),
- Drilling spool, or blowout preventer with 2 side outlets (choke side shall be a
 2" minimum diameter, kill side will be at least 2 inch diameter),
- Kill line (2 inch minimum),
- A minimum of 2 choke line valves (2 inch minimum),
- 2 inch diameter choke line,
- 2 kill valves, one of which will be a check valve (2 inch minimum),
- 2 chokes, one of which will be capable of remote operation,
- Pressure gauge on choke manifold,
- Upper Kelly cock valve with handle available,
- Safety valve and subs to fit all drill string connections in use,
- All BOPE connections subjected to well pressure will be flanged, welded, or clamped.
- A Fill-up line above the uppermost preventer.



NOTE: All lines, valves and chokes are shown at the minimum size allowed, but may be larger.

LIME ROCK RESOURCES II-A, L.P VANDAGRIFF "8" D FEDERAL #4 UNIT D, S8-T18S-R27E, EDDY COUNTY, NM

Design: Closed Loop System with roll-off steel bins (pits)

CRI/HOBBS will supply (2) bins (100 bbl) volume, rails and transportation relating to the Close Loop System. Specification of the Closed Loop System is attached.

Contacts: Gary Wallace (432) 638-4076 Cell

(575) 393-1079 Office

Scomi Oil Tool: Supervisor – Armando Soto (432) 553-7979 Hobbs, NM

Monitoring 24 Hour service

Equipment:

Centrifuges – Derrick Brand Rig Shakers – Brandt Brand

D-watering Unit

Air pumps on location for immediate remediation process

Layout of Close Loop System with bins, centrifuges and shakers attached.

Cuttings and associated liquids will be hauled to a State regulated third party disposal site (CRI or Controlled Recovery, Inc.). The disposal site permit is DFP = #R9166.

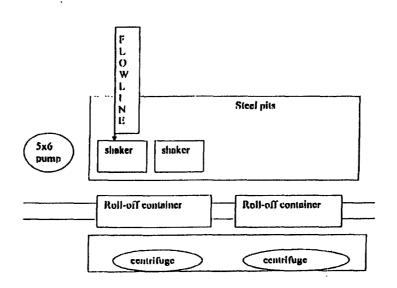
2- (250 bbl) tanks to hold fluid 2-CRI bins with track system 2-500 bbl frac tanks with fresh water 2-500 bbl frac tanks for brine water

Operations:

Closed Loop System equipment will be inspected daily by each tour and any necessary maintenance performed. Any leak in system will be repaired and/or contained immediately. OCD will be notified within 48 hours of any spill. Remediation process will start immediately.

Closure:

During drilling operations all liquids, drilling fluids and cuttings will be hauled off via CRI equipment to DFP #R9166.

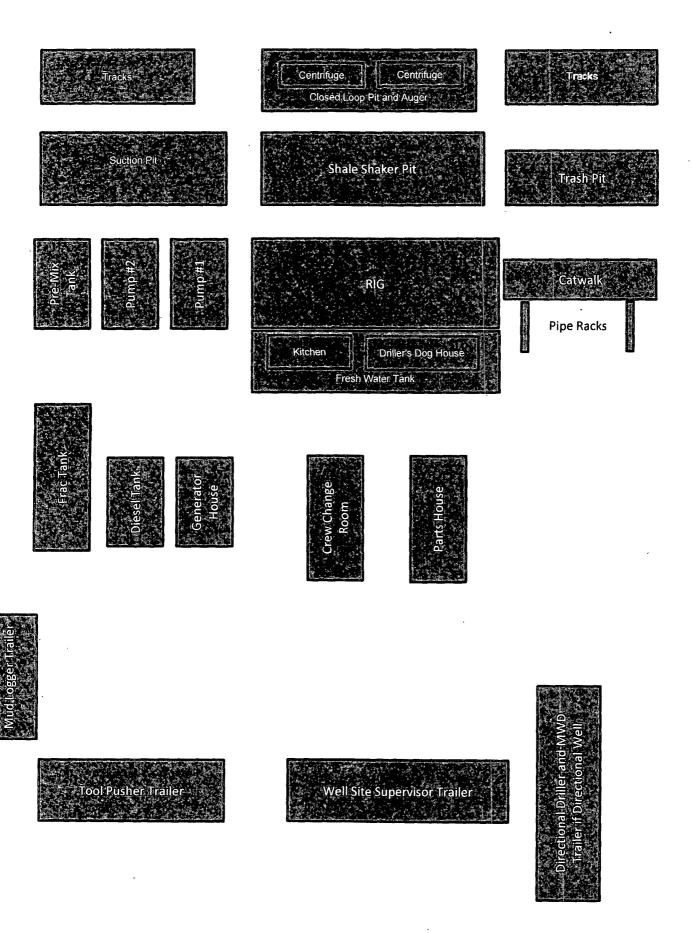


This will be maintained by 24 hour solids control personnel that stay on location.

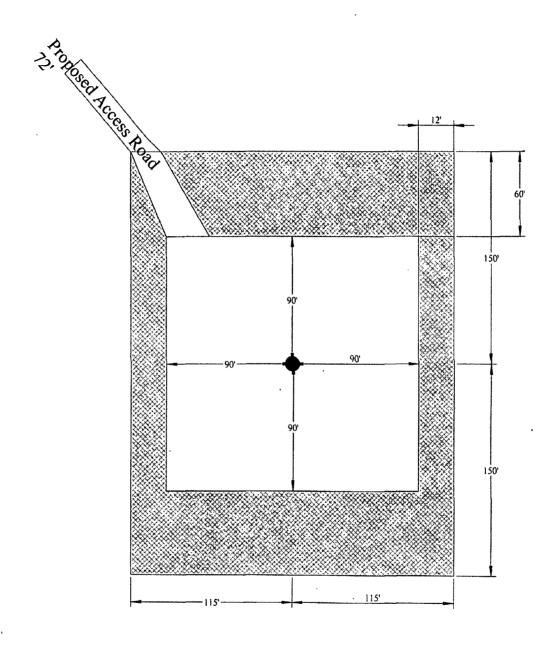


Office: 575.746.1689

Cell: 575,748.6367



Rig Layout Interim Reclamation & Production Facilities



LIME ROCK RESOURCES II-A, L.P. VANDAGRIFF 8 D FEDERAL #4

Well Bore

Production Facilities

North

Wolf Box



Flowline



Interim Reclamation



LIME ROCK RESOURCES II-A, L.P

VANDAGRIFF "8" D FEDERAL #4 Well HYDROGEN SULFIDE (H₂S) CONTINGENCY DRILLING PLAN

Assumed 100 ppm ROE = 3000′ 100 ppm H₂S concentration shall trigger activation of this plan.

This is an open drilling site. H_2S monitoring equipment, along with a choke manifold, mud/gas separator, and flare will be rigged up and in use when the company drills out from under surface casing. H_2S monitors, warning signs, wind indicators and flags will be in use.

SUMMARY PLAN

- 1. All personnel shall receive proper H₂S training in accordance with Onshore Oil and Gas Order No. 6.III.C.3.a. A minimum of an initial training session and weekly H₂S and well control drills for all personnel in each working crew shall be conducted. The initial training session for each well shall include a review of the this Drilling Operations Plan and site specific measures and areas set up when the rig is moved onto location.
- 2. The company has caused the drilling contractor and other vendors to install 2000 psi well control systems including:

A. A choke manifold with:

- i. One remotely operated choke;
- ii. A flare line and flare that is 150' from the wellhead to be ignited, in the event the plan is put into effect, with an electronic ignition system or a back up flare gun;
- iii. A mud/gas separator downstream of the of the choke and upstream of the flare;
- iv. All BOP equipment required for a 2000 psi well control system will be in place and tested by a third party to 250 psi low pressure and 2000 psi high pressure. This test will include testing all lines and equipment associated with the choke manifold and kill line. Weekly BOP function and control drills will be performed with all applicable crews and personnel on location.
- 3. At rig move in, two perpendicular briefing areas readily accessible will be designated and marked with signage. A clear foot path for escape will be designated and marked.
- 4. The following protective equipment for essential personnel will be located on location at rig move in:

A. Breathing apparatus:

- i. Rescue Packs (1 at each briefing area and 2 stored in the designated safety equipment storage area), shall be on location,
- ii. 4 work/escape packs shall be stored on the rig floor with sufficient hose to allow work activity,
- iii. 4 Emergency escape packs shall be stored in the rig doghouse for emergency evacuation,

H2S CONTINGENCY DRILLING PLAN

- B. Auxiliary Rescue Equipment will be available in the designated safety equipment storage area and will include:
 - i. Stretcher,
 - ii. Two OSHA approved full body harnesses,
 - iii. 100 feet of 5/8 inch OSHA approved rope,
 - iv. 2-20# Class ABC fire extinguishers.
- 5. H₂S detection and monitoring equipment shall be in place before drilling out surface casing. There will be a stationary detector in the rig dog house and another with the mud log equipment on the end of the flow line. Three sensors will be placed on the rig floor, the wellhead/cellar, and on the closed loop equipment. The detection level for H₂S will be set at 10 ppm and the alarm will sound if any level of the gas is detected over 10 ppm.
- 6. Visual warning systems will be in place at rig move in and before the surface casing is drilled out. Color coded signage will be placed at the entrance to location indicating H₂S is possible, and furthermore, the color will be changed should the site condition dictate. If H₂S is detected, then a color coded condition flag will be displayed to indicate levels of detection. Wind socks will be placed at the location entrance and one other fully visible site to allow personnel to determine wind direction and safe escape/briefing routes.
- 7. The mud program utilized on this well is intended to provide sufficient density to exclude H₂S from the wellbore. Furthermore, Loss Circulation Material will be added before any known loss circulation (low pressure) zones are encountered. Corrosion inhibitors are included in the mud system to prevent failures in the event H₂S does enter the wellbore, and seal rings are used to prevent the use of elastomers on the wellhead equipment. In the event a rotating head is necessary, elastomers will be designed to operate in H₂S conditions. Drill collars and other bottom hole assembly components are to be inspected after each well, and in the event H₂S is encountered in the wellbore, drill pipe shall be inspected as well.
- 8. The location shall be equipped with one cell telephone in the rig doghouse, one cell telephone with the well site supervisor, two way communication devices to communicate between mud system personnel, rig floor personnel, mud log personnel, and safety personnel on location. In the event H₂S is detected, a company vehicle with two way radios shall be moved into a safe briefing area and manned for communication with all vendors, company personnel or agency personnel as required.

H2S CONTINGENCY DRILLING PLAN

EMERGENCY PROCEDURES

Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas, or if monitors indicate H₂S is present. Escape will take place via the entry road away from the flare stack, or a foot path marked and designated before the well is spud by on site personnel. Once crews and other personnel are a safe distance, the crews will move to evacuate any persons in the Radius of Exposure, followed by blocking access to the Radius of Exposure.

There are no homes or buildings within the Radius of Exposure ("ROE"), so efforts will be concentrated on evacuating any third parties within the ROE. Immediate response will include evacuation of any persons potentially affected by toxic or flammable gasses. Once evacuation is under way, perimeter monitoring and control of access will be executed to ensure safe areas and stage areas.

In the event of a release of gas containing H₂S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H₂S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- · Have received training in the
 - Detection of H₂S, and
 - Measures for protection against the gas.
 - Equipment used for protection and emergency response.

Ignition of Gas Source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO_2). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any

major release. Take care to protect downwind whenever this is an ignition of the gas.

Characteristics of H₂S and S0₂

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H₂S	1.189 Air= 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	S0 ₂	2.21 Air= 1	2ppm	N/A	1000 ppm

Contacting Authorities

Lime Rock Resources personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. Lime Rock Resources response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER) and BLM Onshore Order #6.

H₂S OPERATIONS

Though no H₂S is anticipated during the drilling operation, this contingency plan will provide for methods to ensure the well is kept under control in the event an H₂S reading of 100 ppm or more are encountered.

Once personnel are safe and the proper protective gear is in place and on personnel, the operator and rig crew essential personnel will ensure the well is under control, suspend drilling operations and shut-in the well (unless pressure build up or other operational situations dictate suspending operations will prevent well control), increase the mud weight and circulate all gas from the hole utilizing the mud/gas separator downstream of the choke, the choke manifold and the emergency flare system located 150' from the well. Bring the mud system into compliance and the H₂S level below 10 ppm, and then notify all emergency officers that drilling ahead is practical and safe.

Proceed with drilling ahead only after all provisions of Onshore Order 6, Section III.C. have been satisfied.

H2S CONTINGENCY DRILLING PLAN EMERGENCY CONTACTS

Company Offices -

Lime Rock Houston Office Answering Service (After Hours)

Artesia, NM Office Roswell, NM 713·292·9510 713·292-9555 575-748-9724 575-623-8424

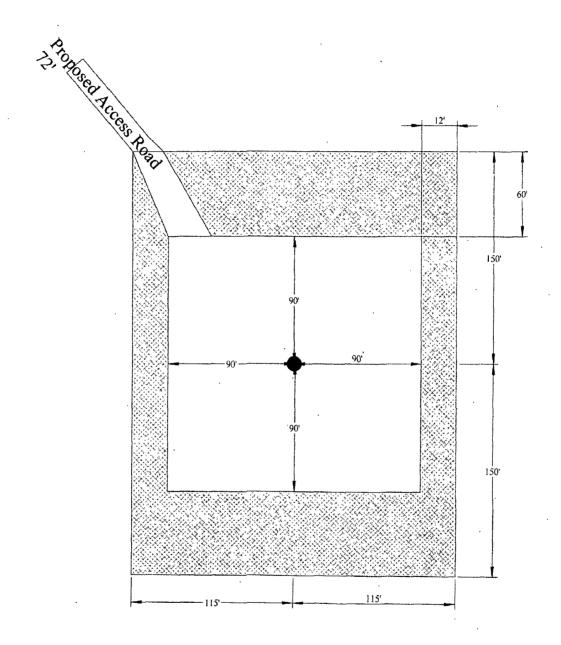
KEY PERSONNEL								
Name	Title	Location	Office #	Cell#	Home #			
SID ASHWORTH	PRODUCTION ENGINEER	HOUSTON	713-292-9526	713-906-7750	713-783-1959			
JERRY SMITH	ASSISTANT PRODUCTION SUPERVISOR	ARTESIA	575-748-9724	505-918-0556	575-746-2478			
MICHAEL BARRETT	PRODUCTION SUPERVISOR	ROSWELL	575-623-8424	505-353-2644	575-623-4707			
GARY FATHEREE	WELL SITE SUPERVISOR	ROTATES ON SITE	NA	940-389-6044	NA			
GARY MCCELLAND	WELL SITE SUPERVISOR	ROTATES ON SITE	NA	903-503-8997	NA			

Agency Call List						
City	Agency or Office	Telephone Number				
Artesia	Ambulance	911				
Artesia	State Police	575-746-2703				
Artesia	Sheriff's Office	575-746-9888				
Artesia	City Police	575-746-2703				
Artesia	Fire Department	575-746-2701				
Artesia	Local Emergency Planning Committee	575-746-2122				
Artesia	New Mexico OCD District II	575-748-1283				
Carlsbad	Ambulance	911				
Carlsbad	State Police	575-885-3137				
Carlsbad	Sheriff's Office	575-887-7551				
Carlsbad	City Police	575-885-2111				
Carlsbad	Fire Department	575-885-2111				
Carlsbad	Local Emergency Planning Committee	575-887-3798				
Carlsbad	US DOI Bureau of Land Management	575-887-6544				
State Wide	New Mexico Emergency Response Commission ("NMERC")	505-476-9600				
State Wide	NMERC 24 hour Number	505-827-9126				
State Wide	New Mexico State Emergency Operations Center	505-476-9635				
National	National Emergency Response Center (Washington, D.C.)	800-424-8802				

H2S CONTINGENCY DRILLING PLAN EMERGENCY CONTACTS

Emergency Services				
Name	Service	Location	Telephone Number	Alternate Number
Boots & Coots International Well Control	Well Control	Houston / Odessa	1-800-256-9688	281-931-8884
Cudd Pressure Control	Well Control & Pumping	Odessa	915-699-0139	915-563-3356
Baker Hughes Inc.	Pumping Service	Artesia, Hobbs and Odessa	575-746-2757	SAME
Total Safety	Safety Equipment and Personnel	Artesia	575-746-2847	SAME
Cutter Oilfield Services	Drilling Systems Equipment	Midland	432-488-6707	SAME
Assurance Fire & Safety	Safety Equipment and Personnel	Artesia	575-396-9702	575-441-2224
Flight for Life	Emergency Helicopter Evacuation	Lubbock	806-743-9911	SAME
Aerocare	Emergency Helicopter Evacuation	Lubbock	806-747-8923	SAME
Med Flight Air Ambulance	Emergency Helicopter Evacuation	Albuquerque	505-842-4433	SAME
Artesia General Hospital	Emergency Medical Care	Artesia	575-748-3333	702 North 13 Street

Rig Layout Interim Reclamation & Production Facilities



LIME ROCK RESOURCES II-A, L.P. VANDAGRIFF 8 D FEDERAL #4

Well Bore

Production Facilities'

North

Interim Reclamation



Flowline

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME: LIME ROCK RESOURCES II-A, LP
LEASE NO.: NM7716
WELL NAME & NO.: 4-VANDAGRIFF 8 D FEDERAL
SURFACE HOLE FOOTAGE: 0330'/N. & 0990'/W.
BOTTOM HOLE FOOTAGE
LOCATION: Section 8, T. 18 S., R. 27 E., NMPM
COUNTY: Eddy County, New Mexico

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