ATS-12-688

OCD Artesia

Form 3160-3
(August 2007)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NMLC-058798

6. If Indian, Allotee or Tribe Name

TES 10/22/2012

1a. Type of work: [✓] DRILL [ ] REENTER

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

1b. Type of Well: [✓] Oil Well [ ] Gas Well [ ] Other [✓] Single Zone [ ] Multiple Zone

8. Lease Name and Well No.
LOGAN "35" M FEDERAL #16 <39574>

2. Name of Operator LIME ROCK RESOURCES II-A, L.P.
<277558>

9. API Well No.
30-015-40806

3a. Address 1111 BAGBY ST., STE 4600
HOUSTON, TX 77002

3b. Phone No. *(include area code)*
713-292-9526

10. Field and Pool, or Exploratory
RED LAKE; GLORIETA-YESO NE <96836>

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface 990' FNL & 370' FWL
At proposed prod. zone SAME

11. Sec., T. R. M. or Blk. and Survey or Area
UNIT M - SEC. 35 - T17S - R27E

14. Distance in miles and direction from nearest town or post office*
8 MILES SOUTHEAST OF ARTESIA, NM

12. County or Parish
EDDY

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 acres in lease	17. Spacing Unit dedicated to this well
370'	~~200~~ 40	40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft	**19. Proposed Depth**	**20. BLM/BIA Bond No. on file**
620'	5200'	NMB-000716
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	**22. Approximate date work will start***	**23. Estimated duration**
3612.2' GL	07/01/2012	2-3 WEEKS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM

25 Signature	Name *(Printed/Typed)*	Date
Lisa Barfield	LISA BARFIELD dba PETRO ENERGY GROUP	7/5/12

Title
POA AGENT FOR LIMEROCK RESOURCES II-A, L.P.

Approved by *(Signature)*	Name *(Printed/Typed)*	Date
/s/ James A. Amos	/s/ James A. Amos	OCT 16 2012
Title FIELD MANAGER	**Office** CARLSBAD FIELD OFFICE	

Application approval 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.
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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)

ROSWELL CONTROLLED WATER BASIN

(Instructions on page 2)

RECEIVED
OCT 18 2012
NMOCD ARTESIA

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS &
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

[1] API Number	[2] Pool Code	[3] Pool Name
30-015-40806	96836	RED LAKE; GLORIETA-YESO NE

[4] Property Code	[5] Property Name	[6] Well Number
39514	LOGAN "35" M FEDERAL	16

[7] OGRID No.	[8] Operator Name	[9] Elevation
277558	LIME ROCK RESOURCES II A, L.P.	3621.2

[10] Surface Location

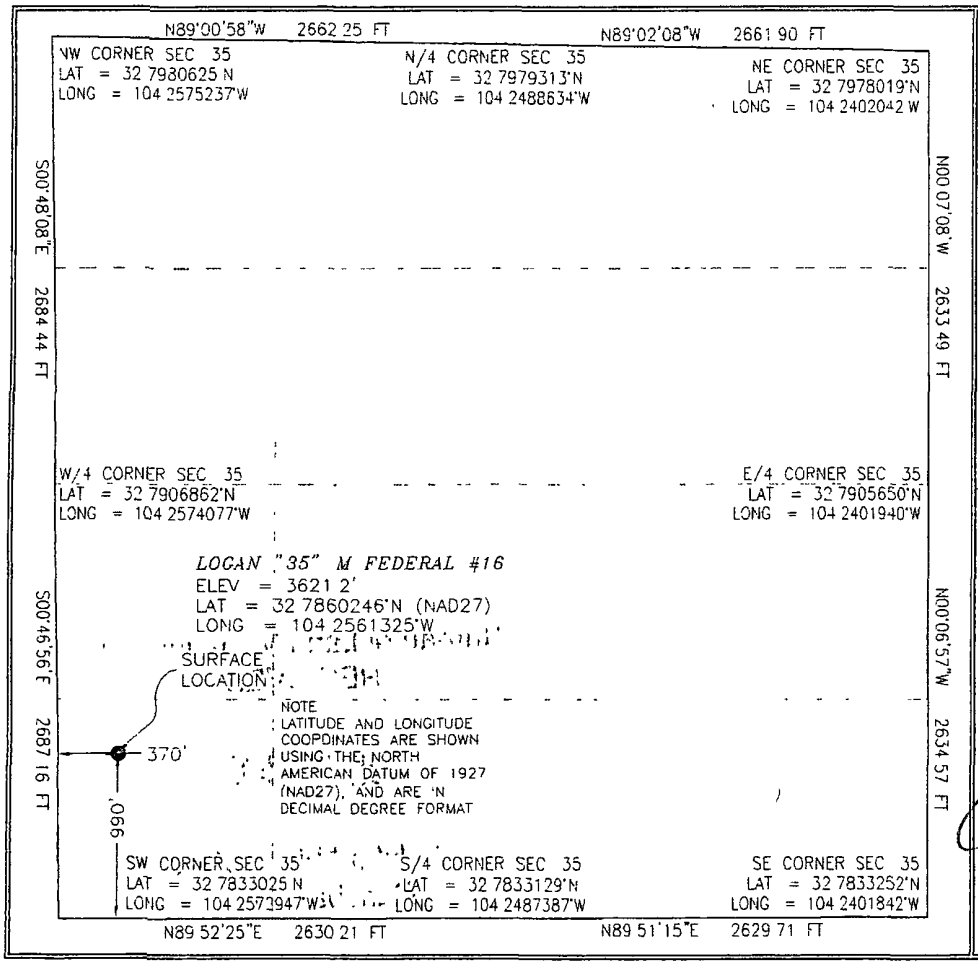
UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	17 S	27 E		990	SOUTH	370	WEST	EDDY

[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

[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 division.



[17] 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 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 a mineral or working interest or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division

Signature 7/5/2012 Date

Printed Name

[18] 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.

APRIL 4, 2012
Date of Survey

Signature and Seal of Professional Surveyor

Certificate Number FILIMON F JARAMILLO, PLS 12797 SURVEY NO 828

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

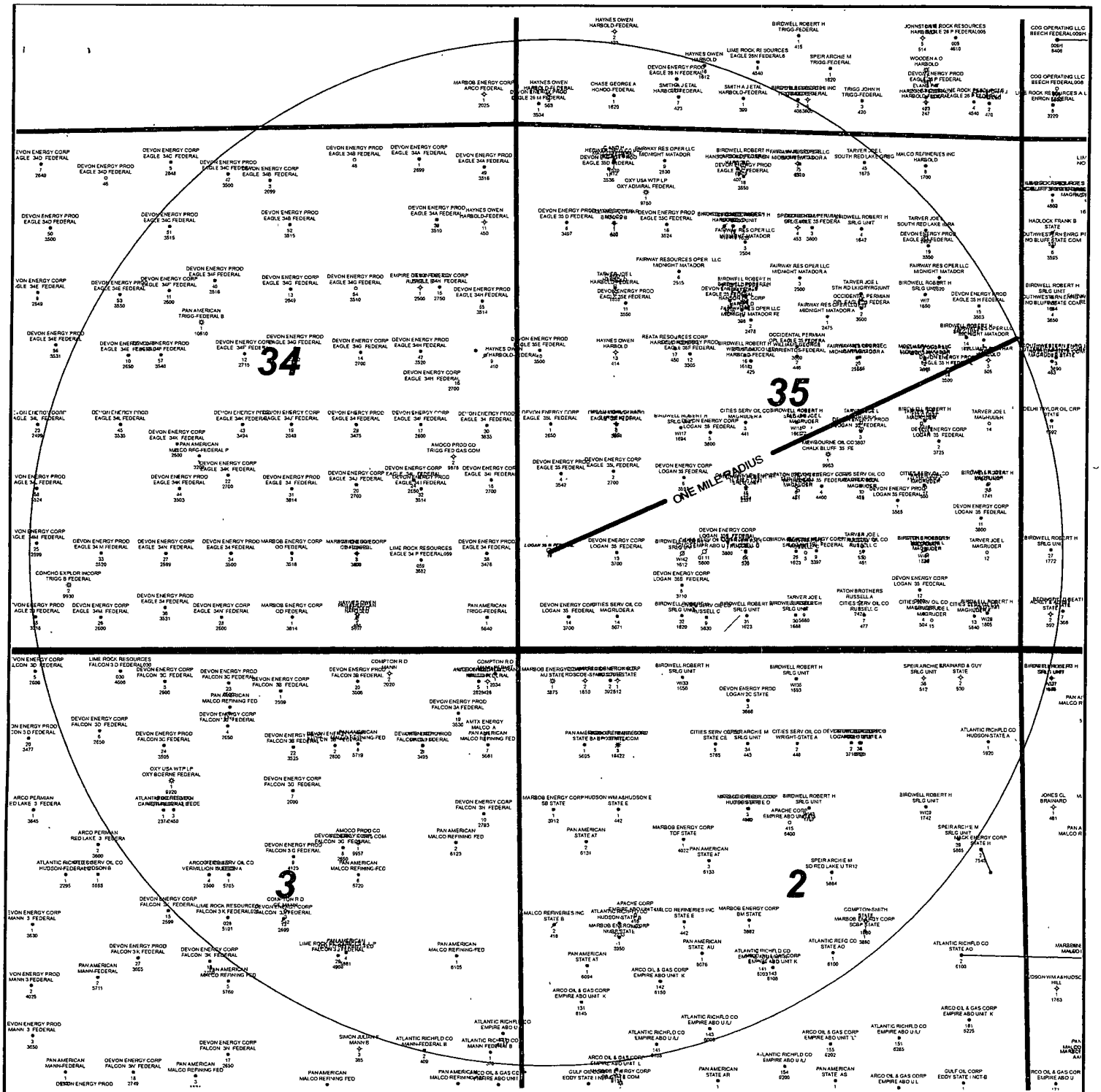
Address: 1111 Bagby Street, Suite 4600, Houston, TX 77002

State of TEXAS
County of HARRIS

This instrument was acknowledged before me on April 13, 2012 by Stella Shows, Charles Adcock of Lime Rock Resources II-A, L.P. acting on behalf of said limited partnership.

Signature of notarial officer: Stella Shows
My commission expires: June 23, 2015

STELLA SHOWS
Notary Public, State of Texas
My Commission Expires
June 23, 2015



(M) S35-T17S-R27E

1 inch = 1400 feet

1000 1000 ft

LIME ROCK RESOURCES

LIME ROCK RESOURCES II-A, L.P.

ONE MILE RADIUS AROUND
LOGAN 35 M FEDERAL #16

		Date: 4 June, 2012

APPLICATION FOR DRILLING
LIME ROCK RESOURCES II-A, L.P
Drilling Plan
LOGAN "35" M FEDERAL #16
990' FSL & 370' FWL, Unit M-Sec. 35-T17S-R27E
Eddy County, NM
Lease Number: NMLC-057798

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

   Estimated tops of geologic markers:

Quaternary – Alluvium	Surface	Glorieta	2952'
7 Rivers	348'	Yeso	3060'
Queen	863'	Tubb	4700'
Grayburg	1364'	TD	5200'
San Andres	1597'		

2. **The estimated depth at which water, oil or gas formations are anticipated to be encountered:**
   Water: Surface water possible in the Triassic between 130' - 330'.
   Nearest water well is 7,099 feet away.
   Oil: Possible in the San Andres, Glorieta below 1597'.
   Gas: Possible in the San Andres, Glorieta below 1597'.

3. **The elevation of the unprepared ground is 3621.2' feet above sea level.**

4. **A rotary rig will be utilized to drill the well to 5200' and run casing. This equipment will be rigged down and the well will be completed with a workover rig.**

5. **Proposed total depth is 5200'.**

6. Proposed Casing and Cement program is as follows:

Type	Hole Size	Casing Size	Wt	Grade	Thread	Casing Condition	Depth	Sx	Density	Yield	Components	Excess Cement %	Collapse Design Factor	Burst Design Factor	Tension Design Factor	TOC
Conductor	26"	20"	91.5	B	Weld	New	80'				Ready mix					
Surface	12.25"	8.675"	24	J-55	ST&C	New	450'	335	14.8	1.34	Cl C Cmt +0.25 lbs/sk Cello Flake +2% CaCl2	200%	1.2	1.18	2.0	Surface
Production	7.875"	5.5"	17	J-55	LT&C	New	5200'	450	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	80%	1.2	1.18	2.0	Surface
						New		650	14.8	1.33	Class C w/ 0.6% R-3 amd 1/4 pps cello flake	50%				

7. Proposed Mud Program is as follows

Depth	0-450	450-4900	4900-5200
Mud Type	Fresh Water	Brine	Brine w/ Gel & Starch
		Properties	
MW	8.5-9.2	9.9-10.2	9.9-10.2
pH	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	<1%	<1%
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

8. **Pressure Control Equipment: See Attached Description and diagram of Pressure Control Equipment.**

9. **Testing, Logging and Coring Program** See COA
   Testing Program: None
   Electric Logging Program: Gamma Ray – Dual Laterlog – Compensated Neutron/Density Log from total depth to surface casing
   surface casing to surface: Gamma Ray – Neutron log
   Coring Program: None

10. **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 2260 psi based on 0.44 x TD. The estimated BHT is 135°F.

11. **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

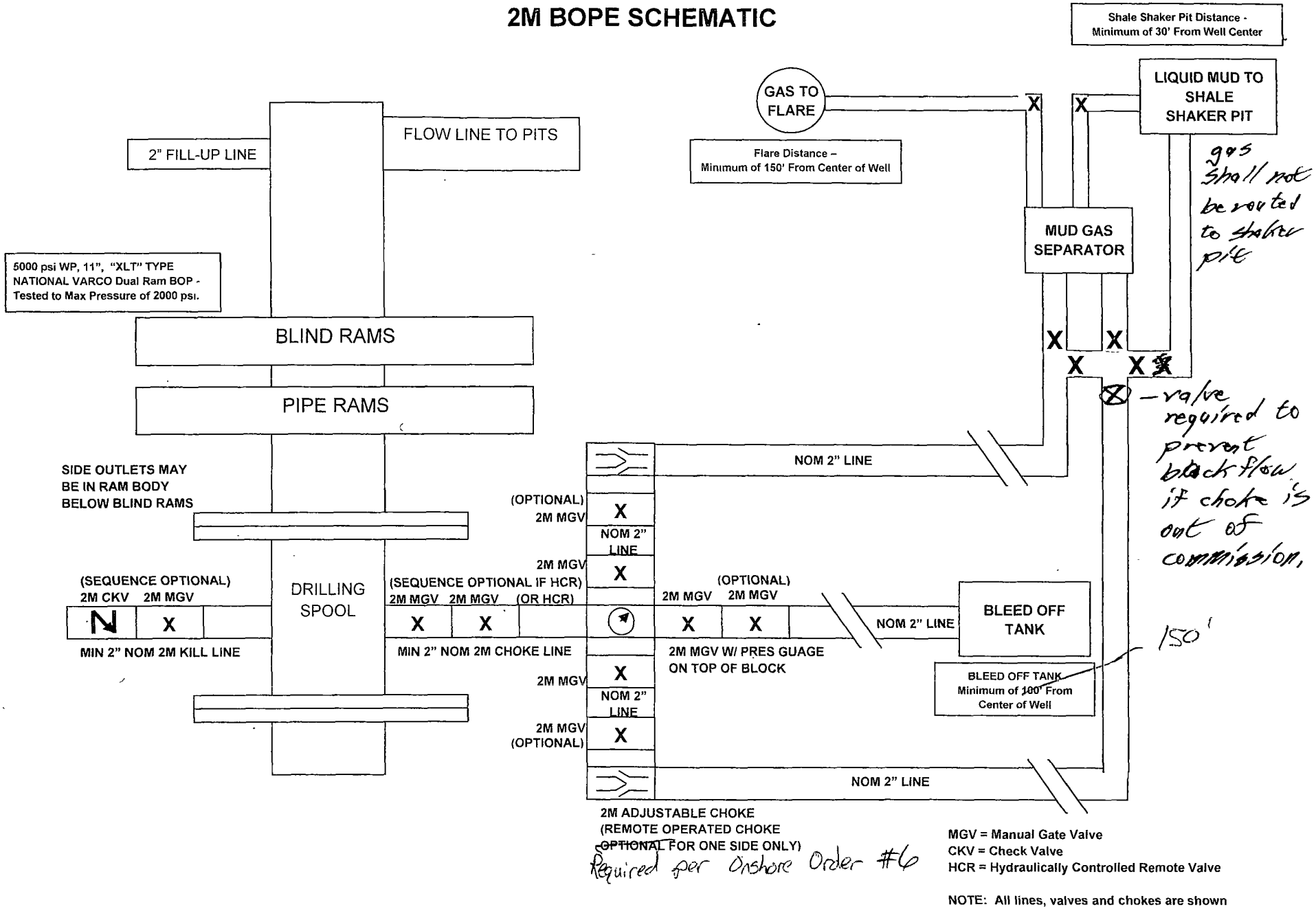
The blowout preventer equipment (BOP) will consist of a 5000 psi rated, 11", "XLT" type, National VARCO double ram preventer that will be tested to a maximum pressure of 2000 psi. The unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and drill pipe 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.

2M BOPE SCHEMATIC

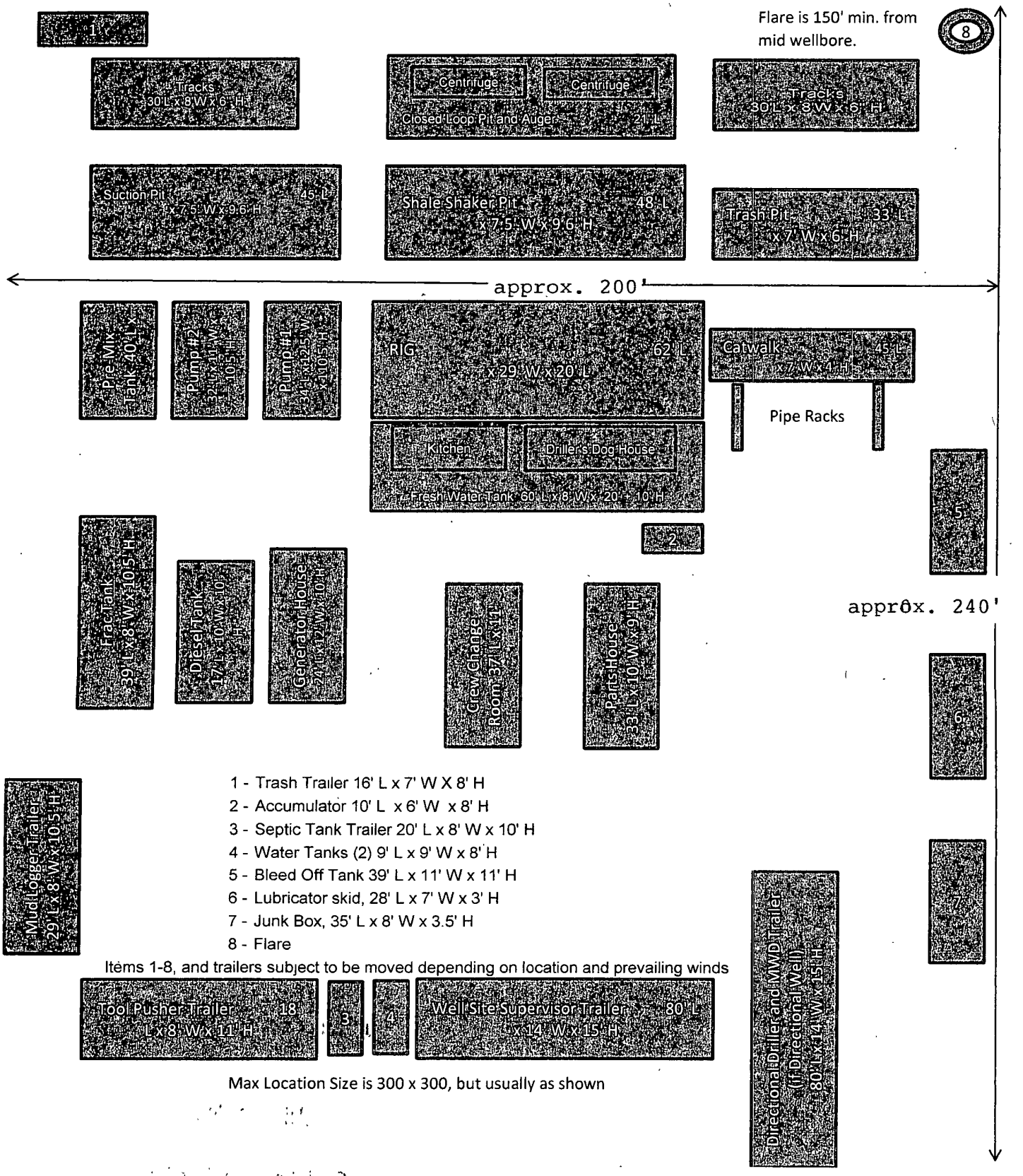


Lime Rock Resources II-A, L.P.

UDI Rig 22 Location Layout

(Note: Not to Scale)

LOGAN 35 M FEDERAL #16



1 - Trash Trailer 16' L x 7' W X 8' H
2 - Accumulator 10' L x 6' W x 8' H
3 - Septic Tank Trailer 20' L x 8' W x 10' H
4 - Water Tanks (2) 9' L x 9' W x 8' H
5 - Bleed Off Tank 39' L x 11' W x 11' H
6 - Lubricator skid, 28' L x 7' W x 3' H
7 - Junk Box, 35' L x 8' W x 3.5' H
8 - Flare

Items 1-8, and trailers subject to be moved depending on location and prevailing winds

Max Location Size is 300 x 300, but usually as shown

LIME ROCK RESOURCES II-A, L.P.

LEGEND FOR RIG LAYOUT PLAT

1 H_2S Warning Signs

2 Briefing Area

3 Flare

4 Wind Sock- at Entrance, on Rig Floor and at Pits

5 Frac Tank from Panic Line

6 Choke Manifold

7 Mud / Gas Separator

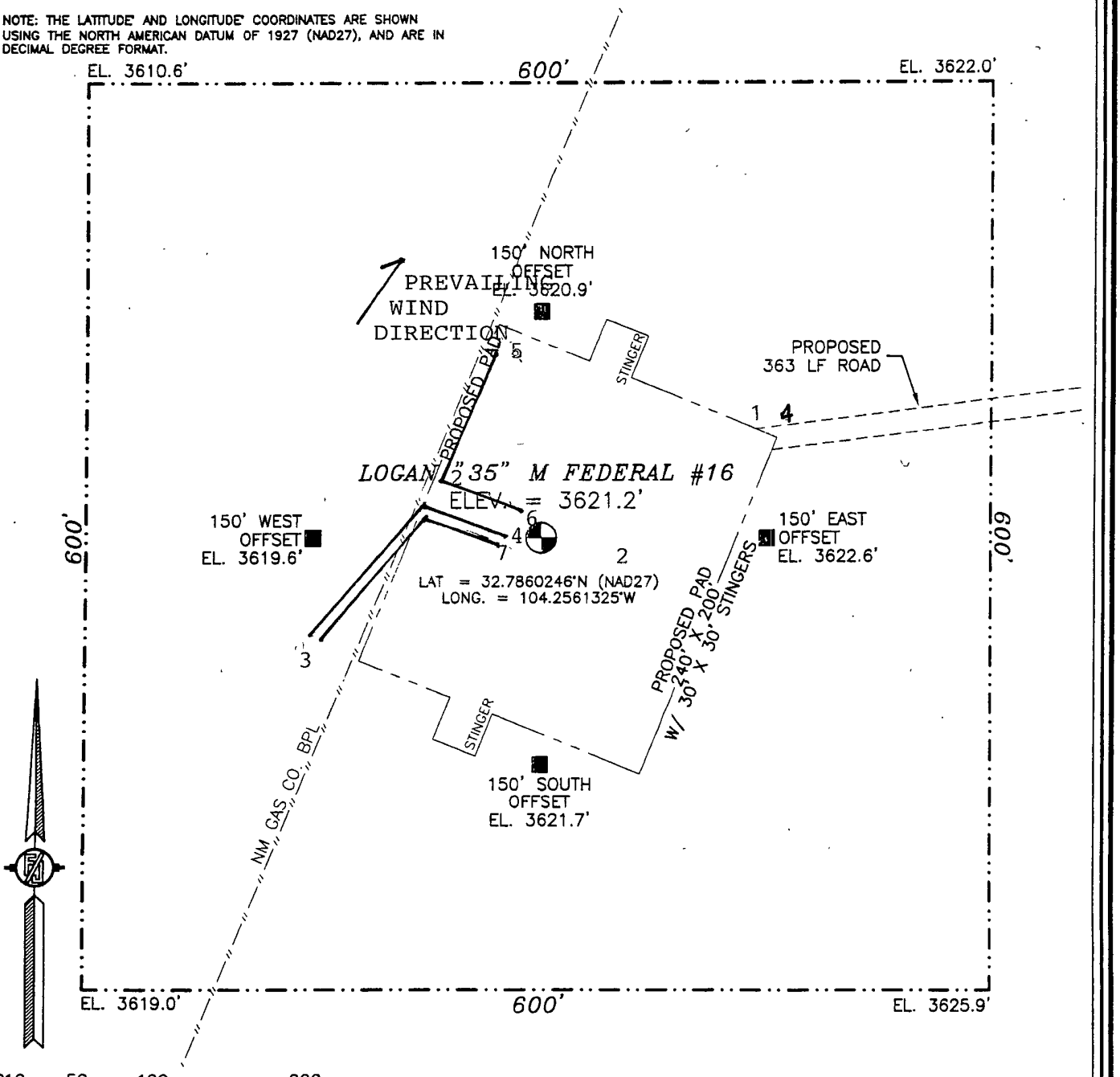
——— Bleed Off Line

═══ Flare Line

Flare is 150' from Center of Well Bore.

SECTION 35, TOWNSHIP 17 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

NOTE: THE LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1927 (NAD27), AND ARE IN DECIMAL DEGREE FORMAT.



010 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM PAVED Cr 225 (EMPIRE) AND PAVED Cr 226 (EVANS) GO SOUTHWEST ON Cr 225 0.15 MILES, TURN RIGHT ON CALICHE LEASE ROAD AND GO NORTHWEST 400 FT, BEND LEFT AND GO WEST 0.15 MILES TO THE EXISTING LOGAN "35" FED. #13 WELL AND FROM NORTHWEST PAD CORNER FOLLOW PROPOSED ROAD SURVEY FLAGS WEST-SOUTHWEST 363 FT TO THE NORTHEAST CORNER OF PROPOSED PAD FOR THIS LOCATION.

LIME ROCK RESOURCES II A, L.P.

LOGAN "35" M FEDERAL #16

LOCATED 990 FT. FROM THE SOUTH LINE AND 370 FT. FROM THE WEST LINE OF SECTION 35, TOWNSHIP 17 SOUTH, RANGE 27 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO

APRIL 4, 2012

SURVEY NO. 828

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 *CARLSBAD, NEW MEXICO*

LIME ROCK RESOURCES II-A, L.P

LOGAN "35" M FEDERAL #16 Well
HYDROGEN SULFIDE (H_2S) CONTINGENCY DRILLING PLAN

Assumed 100 ppm ROE = 3000'

100 ppm H_2S 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 H_2S training in accordance with Onshore Oil and Gas Order No. 6.III.C.3.a. A minimum of an initial training session and weekly H_2S 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,

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. H_2S 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 H_2S 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 H_2S is possible, and furthermore, the color will be changed should the site condition dictate. If H_2S 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 H_2S 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 H_2S 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 H_2S conditions. Drill collars and other bottom hole assembly components are to be inspected after each well, and in the event H_2S 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 H_2S 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 H_2S 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 H_2S, 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 H_2S 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 H_2S, 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 H_2S and SO_2

Common Name	Chemical Formula	Specific Gravity	Threshold Limit	Hazardous Limit	Lethal Concentration
Hydrogen Sulfide	H_2S	1.189 Air= 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	SO_2	2.21 Air= 1	2ppm	N/A	1000 ppm

H2S CONTINGENCY DRILLING PLAN

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.

H_2S OPERATIONS

Though no H_2S 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 H_2S 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 H_2S 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	713-292-9510
	Answering Service (After Hours)	713-292-9555
	Artesia, NM Office	575-748-9724
	Roswell, NM	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

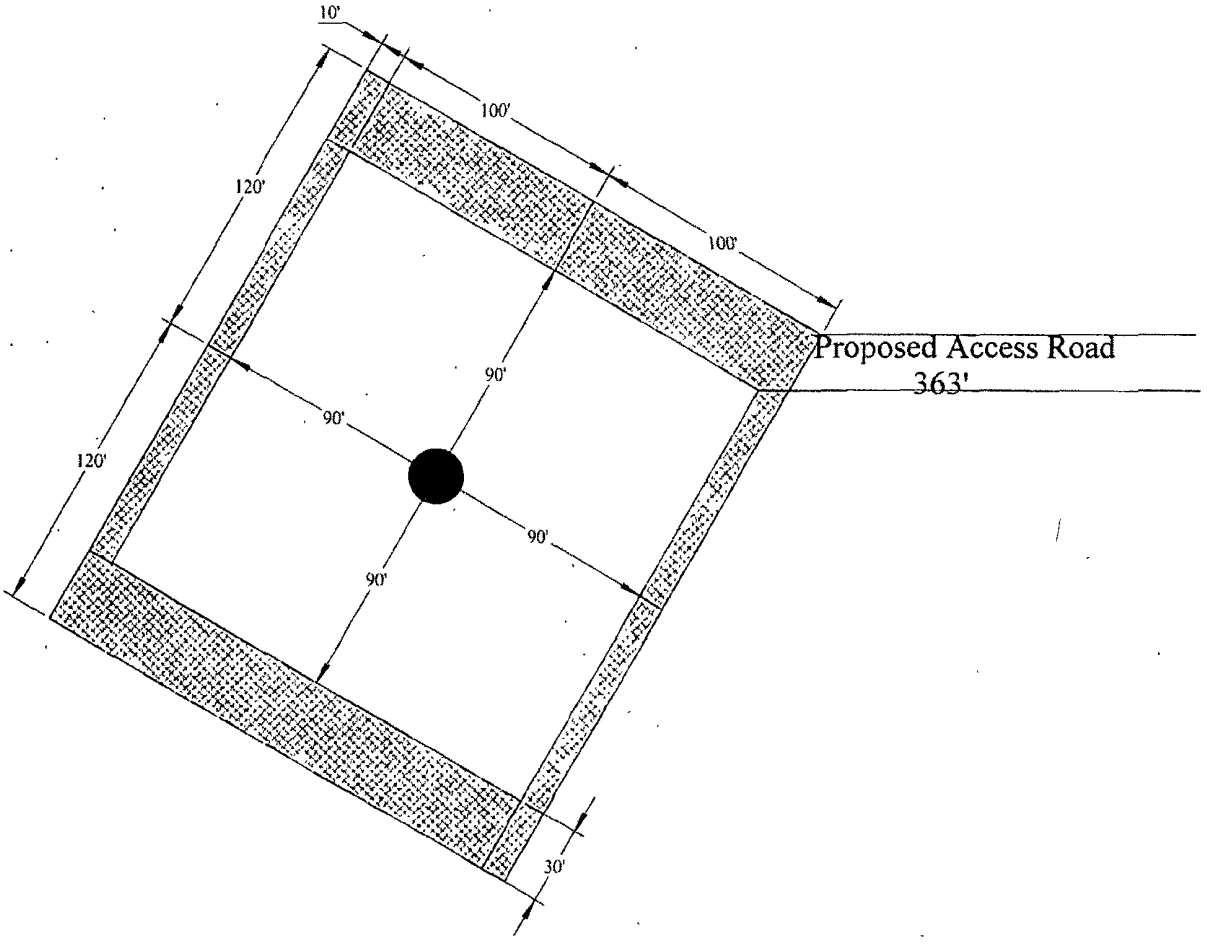
Agency Call List		
City	**Agency or Office**	**Telephone Number**
Artesia	Ambulance	911
Artesia	State Police	575-746-2703
Artesia	Sheriff's Office	575-746-9888
Artesia	City Police	575-746-2703
Artesia	Fire Department	575-746-2701
Artesia	Local Emergency Planning Committee	575-746-2122
Artesia	New Mexico 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
LOGAN "35" M FEDERAL #16

Well Bore

Production Facilities

North

Interim Reclamation

Flowline

PECOS DISTRICT
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	Lime Rock Resoources II A LP
LEASE NO.:	LC057798
WELL NAME & NO.:	Logan 35 M Federal 16
SURFACE HOLE FOOTAGE:	990' FSL & 370' FWL
BOTTOM HOLE FOOTAGE	' FL & ' FL
LOCATION:	Section 35, T.17 S., R.27 E., NMPM
COUNTY:	Eddy County, New Mexico

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.