#### District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

#### State of New Mexico

**Energy Minerals and Natural Resources** 

Oil Conservation Division 1220 South St. Francis Dr.



Form C-101

Revised December 16, 2011

District IV Santa Fe, NM 87505 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD'A ZONE Operator Name and Address OGRID Number Lime Rock Resources II-A, L.P.
1111 Bagby Street, Suite 4600 Houston, Texas 77042 277558 Stirling 6M **Surface Location** E/W Line UL - Lot Range Feet from N/S Line Section Township Lot Idn Feet From County 188 27E 602 312 W Eddy **Pool Information** Redlake; Glorieta-Yeso 51120 Additional Well Information Well Type Lease Type Work Type 11 Cable/Rotary <sup>13</sup> Ground Level Elevation 0 3322.5 14 Multiple 15 Proposed Depth 16 Formation 17 Contractor 18 Spud Date 4300' TVD / 4321' MD After 3/4/2013 Yeso United Drilling, Inc Distance from nearest fresh water well: 0.11 Miles Distance to nearest surface water: 0.15 Miles Depth to Ground water: 8 Feet **Proposed Casing and Cement Program** Hole Size Casing Size Casing Weight/ft Setting Depth Sacks of Cement Estimated TOC Type 91.5 .26" 20" Conductor 40 Ready Mix Surface 24 Surface 12-1/4" 8-5/8" 350 300 Surface Production 7-7/8" 5-1/2" 17 4321 830 Surface **Casing/Cement Program: Additional Comments Proposed Blowout Prevention Program** Working Pressure Test Pressure Type Manufacturer National Varco XLT 11" 5000 2000 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. OIL CONSERVATION DIVISION I further certify that the drilling pit will be constructed according to NMOCD guidelines , a general permit , or an (attached) alternative Approved By: OCD-approved plan  $\boxtimes$ . Signature: Title: Printed name: Spencer Cox Approved Date: Title: Production Engineer **Expiration Date** E-mail Address: scox@limerockresources.com Date: 2-5-13

Conditions of Approval Attached

Phone: 713-292-9528

<u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM \$8210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170

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State of New Mexico

Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr.

Santa Fe, NM 87505

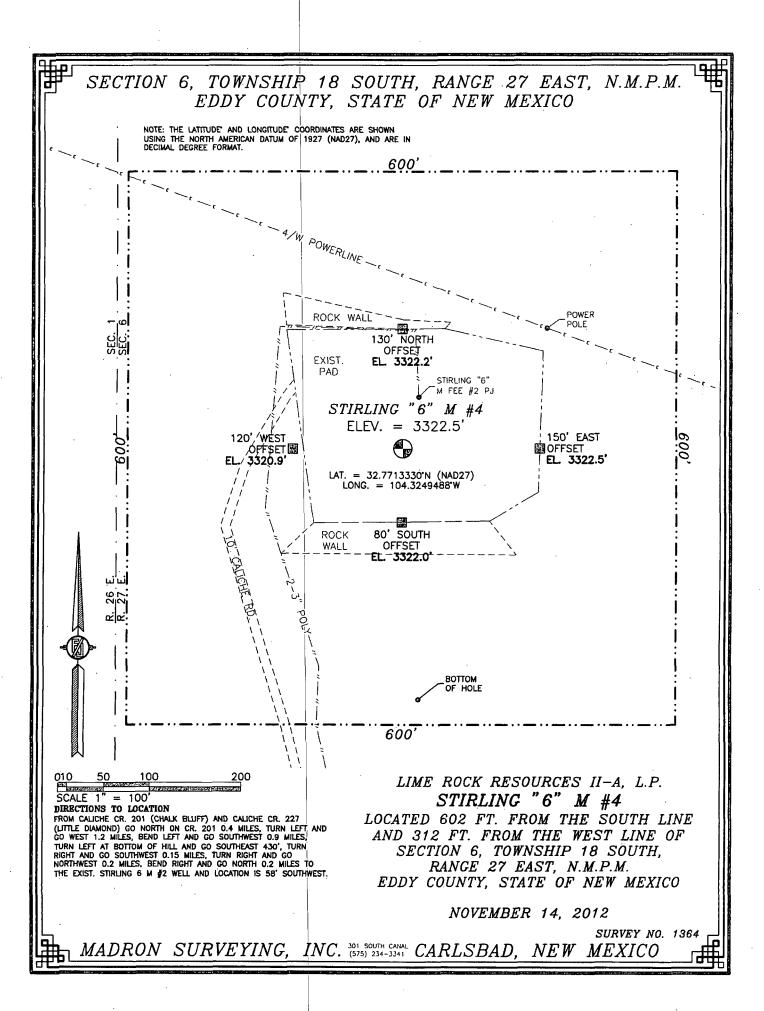
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

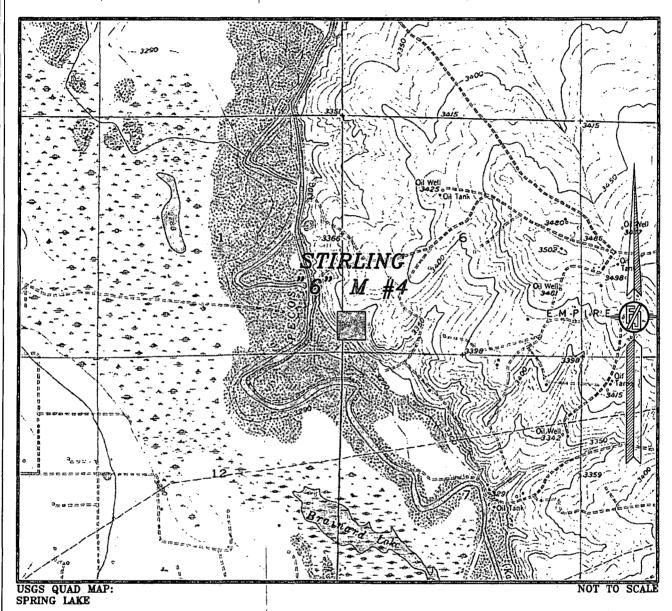
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2 Property	Code	. 7		_,,	5 Property			/	6 Well Number
<u>010</u>	$\frac{\mathcal{O}\mathcal{O}}{2}$				STIRLING	6 "6" M			4
7 OGRID No.			* Operator	Nâme		1	<sup>9</sup> Elevation		
277.558 LIME					ROCK RESO	URCES II <b>~</b> A, L.I	<b>)</b> .		3322.5
					" Surface	Location		<u>'</u>	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West liné	County
7	6	18 S	27 E		602	SOUTH	312	WEST	EDDY
			υE	Bottom H	ole Location	If Different Fro	om Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
7	6	18 S	27 E	!	330	SOUTH	330	WEST	EDDY
Dedicated Acres	3 Joint of	r Infill	onsolidation	Code 15 Oi	rder No.			,	

division.

NW CORNER SEC. 6  LAT. = 32.7841890'N  LONG. = 104.3174564'W  LONG. = 104.3259931'W  LONG. = 104.3174564'W  LONG. = 104.3259931'W  LONG. = 104.3174564'W  LONG. = 104.3067806'N  LONG. = 104.3259931'W  LONG. = 104.3174564'W  LONG. = 104.3067806'N  LONG. = 104.3067806'W  LONG. = 104.3067806'W  LONG. = 104.3067806'W  LOT 1  LOT 2  LOT 1  LOT 3  LOT 2  LOT 1  LOT 3  LOT 2  LOT 1  LOT 3  LOT 2  LOT 1  LOT 4  LOT 3  LOT 2  LOT 1  LOT 5  W/4 CORNER SEC. 6  LAT. = 32.7765330'N  LONG. = 104.3259630'W  LONG. = 104.3259630'W  LONG. = 104.3259630'W  LOT 6  LOT 6  LOT 6  LOT 6  LOT 7  LOT 6  LOT 7  LOT 6  LOT 8  SW/4 CORNER SEC. 6  LAT. = 32.77763330'N  LONG. = 104.3259630'W  LONG. = 104.3259630'W  LOT 6  LOT 6  LOT 6  LOT 7  LOT 1  LOT 6  LOT 6  LOT 8  SW/4 CORNER SEC. 6  LAT. = 32.77763330'N  LONG. = 104.3259630'W  LONG. = 104.3249486'W  LONG. = 104.3249486'W  LONG. = 104.3249486'W  LONG. = 104.3249680'W  LONG. = 104.3249680'W  LONG. = 104.3249680'W  LONG. = 104.3249680'W  LONG. = 104.324600'W  LONG. = 104.324600'W  LONG. = 104.3249486'W  LONG. = 104.324680'W  LON		N89:01'49"W	2624.67 FT		N88'59'51"W	2667.45 FT		" OPERATOR CERTIFICATION
LONG. = 104.3259931W   LONG. = 104.3174564W   LONG. = 104.3087806W     CONG. = 104.3259931W   LONG. = 104.3174564W   LONG. = 104.3087806W     CONG. = 104.3259931W   LONG. = 104.3174564W   LONG. = 104.3087806W     CONG. = 104.3259931W   LONG. = 104.3087806W     CONG. = 104.3259931W   LONG. = 104.3087806W     CONG. = 104.3259931W   LOT 2     LOT 4   LOT 3   LOT 2     LOT 5   LOT 1     LOT 5   LOT 1     LOT 5   LOT 1     LOT 5   LOT 6   LOT 7     LOT 6   LOT 7   LONG. = 104.3249905W     LOT 6   LOT 7   LONG. = 104.3249905W     LOT 6   LOT 7   LONG. = 104.324905W     LOT 1   LOT 2     LOT 2   LOT 2     LOT 2   LOT 2     LOT 3   LOT 2     LOT 4   LO				R SEC. 6	1	NE CORNER SEC. 6	]	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
LOT 4								
LOT 4	S	,	1		i	•		the proposed bottom hole location or has a right to drill this well at this
NOTE: LATITUDE AND LONGITUDE   COORDINATES ARE SHOWN   USING THE NORTH   AMERICAN DATUM OF 1927   (N-0.027), AND ARE IN   DECIMAL DEGREE FORMAT.	8				İ		NO.	location pursuant to a contract with an owner of such a mineral or working
NOTE: LATITUDE AND LONGITUDE   COORDINATES ARE SHOWN   USING THE NORTH   AMERICAN DATUM OF 1927   (N-0.027), AND ARE IN   DECIMAL DEGREE FORMAT.		•			ĺ		): 32	
NOTE: LATITUDE AND LONGITUDE   COORDINATES ARE SHOWN   USING THE NORTH   AMERICAN DATUM OF 1927 (N-027), AND ARE IN   DECIMAL DEGREE FORMAT.	3"E	LOT 4	107.3	OT 2	1	LOT	4	
W/4 CORNER SEC. 6   LAI. = 32.7758486N   LONG. = 104.3259603W   LAI. = 32.7766330N   LONG. = 104.3259603W   LONG. = 104.3087003W   LONG. = 104.3259645W   LONG. = 104.3249488 W   L	. 26		1	<u> </u>		<u> </u>	1 1	Spano1/2 2-5-13
W/4 CORNER SEC. 6   LAI. = 32.7758486N   LONG. = 104.3259603W   LAI. = 32.7766330N   LONG. = 104.3259603W   LONG. = 104.3087003W   LONG. = 104.3259645W   LONG. = 104.3249488 W   L	34.		LATITUDE AND LONGITUDE	1			265	Signature Date
W/4 CORNER SEC. 6   LAI. = 32.7758486N   LONG. = 104.3259603W   LAI. = 32.7766330N   LONG. = 104.3259603W   LONG. = 104.3087003W   LONG. = 104.3259645W   LONG. = 104.3249488 W   L	==	,	"USING THE NORTH		,		7.86	Spencer Cox
W/4 CORNER SEC. 6   LAI. = 32.7758486N   LONG. = 104.3259603W   LAI. = 32.7766330N   LONG. = 104.3259603W   LONG. = 104.3087003W   LONG. = 104.3259645W   LONG. = 104.3249488 W   L	4		(NAD27), AND ARE IN		ì			Printed Name
W/4 CORNER SEC. 6   LAT. = 32.7758486N   LONG. = 104.3259603W   LAT. = 32.7766330N   LONG. = 104.3259603W   LONG. = 104.3087003W   LONG. = 104.3259645W   LONG. = 104.3249488 W   L	İ	LOT 5	1					SLOXE I merodenesources com
Lat. = 32.7769330'N  Lat. = 32.7769330'N  Long. = 104.3259603'W    Lat. = 32.7766330'N    Long. = 104.3087003'W    Long. = 104.3087003'W    Stirling "6" M #4     Lot 6	1	ł	İ					E-mail Address
LONG. = 104.3087003*W   LONG		LAT. = 32.7769486'N	+					
Thereby 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.   STIRLING "6" M #4		LONG. = 104.3259603W	1					*SURVEYOR CERTIFICATION
STIRLING "6" M #4								I hereby certify that the well location shown on this
LOT 6   ELEV. = 3322.5'   NOVEMBER 14. 2012   NOVEMBER 14. 2012   Date of Survey   Date of	ᇤ		i .	ŧ			_	plat was plotted from field holes of actual surveys
LOT 6   ELEV. = 3322.5'   NOVEMBER 14. 2012   NOVEMBER 14. 2012   Date of Survey   Date of	5.						lo O	made by me or under my supervision, and that the
SW CORNER SEC. 6	540		STIRLING "6" M #4					same is true and correct to the best of my belief.
LAT. = 32.7696936'N   LONG. = 104.3249488'W     LONG. = 104.3259645'W   BOTTOM OF HOLE     LOT 7 - 40.42 AC   LONG. = 104.3172530'W     LONG. = 104.3249488'W     LONG. = 104.324995'W     LONG. = 104.3248905'W     LOT 7 - 40.42 AC   LONG. = 104.3172530'W     LONG. = 104.3172530'W     LOT 7 - 40.42 AC   LONG. = 104.3172530'W     LONG. = 104.3172530'W     LONG. = 104.3259645'W     LOT 7 - 40.42 AC   LONG. = 104.3172530'W     LONG. = 104.3269635'N     LOT 7 - 40.42 AC   LONG. = 104.3172530'W     LONG. = 104.3086145'W     LONG. = 104.3249488'W     LONG. = 104.3259645'W     LONG. = 104.324905'W     LONG. = 104.3248905'W     LONG. = 104.3086145'W     LONG. = 104.30	1 2			MAD27)			V.97	
LONG. = 104.3259645W   SURFACE   BOTTOM OF HOLE   LAT. = 32.7705848N   LONG. = 104.3248905W   Signature and Sept Of Professional Surveyor   Signature and Sept Of Professional Surveyor   Signature and Sept Of Sept Of Sept Of Surveyor   LAT. = 32.7695632N   LAT. = 32.7695632N   LAT. = 32.7694355N   LONG. = 104.3172530W   LONG. = 104.3086145W   SURVEY NO. 1364	, 9 , 6					<del></del> -	10 1	
LOCATION LAT. = 32.7705848'N LONG. = 104.3248905'W Signature and Sept of Professional Survey or Certificate Number: Fill No. Pt. SIZ.797 SURVEY NO. 1364	01,		BOTTOM OF HOLE				15	
BOTTOM OF HOLE 3330' FSL: 330' FWL S/4 CORNER SEC. 6 LAT. = 32/7695632'N LOT 7 - 40.42 AC LONG. = 104.3172530'W Signature and Section Professional Surveyor Certificate Number: Fill Mark F JARAMILLO. PLS 12797 LAT. = 32.7694355'N LONG. = 104.3172530'W LONG. = 104.3086145'W SIRVEY NO. 1364	.00	LOCATION	LAT. = 32.7705848'N				.32	THE WALLENDER
330' FWL S/4 CORNER SEC. 6   SE CORNER SEC. 6   LAT. = 32/7695632'N   LAT. = 32/7695632'N   LAT. = 32/7695632'N   LAT. = 32/7694355'N   LONG. = 104.3172530'W   LONG. = 104.3086145'W   SURVEY NO. 1364	05	воттом	1				13/	Signature and Seakof Professional Surveyor
LAT. = 32.7695632'N LAT. = 32.7694355'N LAT. = 32.7694355'N LONG. = 104.3172530'W LONG. = 104.3086145'W SURVEY NO. 1364				R SEC. 6		. CE CODNED CEO E	$\ (\cdot\ $	
LONG. = 104.3086145W)		LOT 7 - 40.42 AC			ļ	LAT. = ,32.7694355'N		
[303 00 31 E 2030.42 F]		S88:59'31"E	2678.88 FT			2656.42 FT	ן נ	



# SECTION 6, TOWNSHIP 18 SOUTH, RANGE 27 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO LOCATION VERIFICATION MAP



LIME ROCK RESOURCES II—A, L.P.

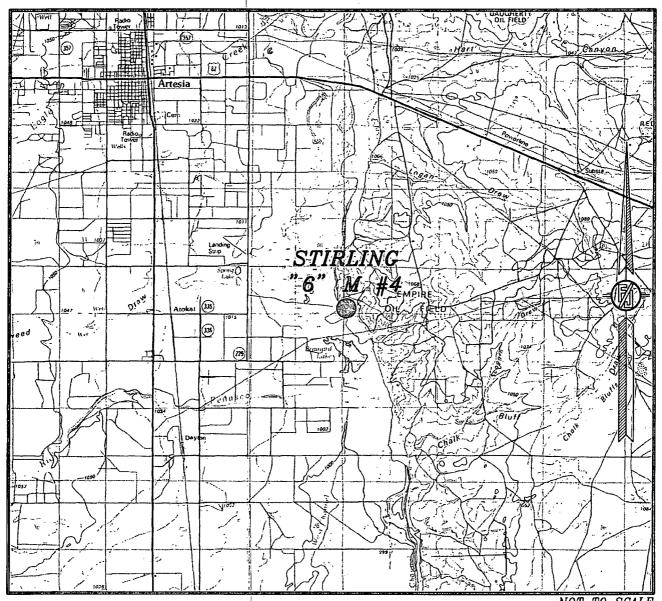
STIRLING "6" M #4

LOCATED 602 FT. FROM THE SOUTH LINE
AND 312 FT. FROM THE WEST LINE OF
SECTION 6, TOWNSHIP 18 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

NOVEMBER 14, 2012

SURVEY NO. 1364
MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO

# SECTION 6, TOWNSHIP 18 SOUTH, RANGE 27 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO VICINITY MAP



NOT TO SCALE

LIME ROCK RESOURCES II—A, L.P.
STIRLING "6" M #4

LOCATED 602 FT. FROM THE SOUTH LINE
AND 312 FT. FROM THE WEST LINE OF
SECTION 6, TOWNSHIP 18 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

NOVEMBER 14, 2012

SURVEY NO. 1364

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO

## Lime Rock Resources II-A, L.P. Drilling Plan

Stirling 6M #4 602' FSL 312' FWL M-S6-T18S-R27E Eddy County, NM

- 1. The elevation of the unprepared ground is 3322.5' feet above sea level.
- 2. The geologic name of the surface formation is Quaternary Alluvium.
- 3. A rotary rig will be utilized to drill the well to 4300' and run casing. This equipment will be rigged down and the well will be completed with a workover rig.
- 4. Proposed total depth is 4321' MD / 4300' TVD.
- 5. The KOP for directional drilling will be at 480'. See directional plan for detail. Well will be drilled to total depth of 4321' MD / 4300' TVD inside a 30' X 30' square target inside of 40 acre spacing regulatory quarter-quarter setback distances.
- 6. Estimated tops of geologic markers:

	MD	TVD
Quaternary – Alluvium	Surface	Surface
Queen	467	467
Grayburg	847	845
Premier	1101	1094
San Andres	1113	1105
Glorieta	2499	2478
Yeso	2616	2595
Tubb	4031	4010
TD	4321	4300

7. Estimated depths at which anticipated oil, gas, or other mineral bearing formations are expected to be encountered:

	MD	TVD
Queen	467	467
Grayburg	847	845
Premier	1101	1094
San Andres	1113	1105
Glorieta	2499	2478
Yeso	2616	2595
Tubb	4031	4010
TD	4321	4300

#### 8. Proposed Casing and Cement program is as follows:

Туре	Hole Size	Casing Size	Wt	Grade	Thread	Depth	Sx	Density	Yield	Components
Conductor	26"	20"	91.5	Weld ed	В	40				Ready Mix
		·	<u> </u>					<u> </u>		
Surface	12-1/4"	8-5/8" 	24	ST&C	J-55	350	300	14.8	1.35	CI C Cmt + 0.25 lbs/sk Cello Flake + 2% CaCl2
Production	7-7/8"	5-1/2"	17	LT&C	J-55	4321	200	12.8	1.903	(35:65) Poz/Cl C Cmt + 5% NaCl + 0:25 lbs/sk Cello Flake + 5 lbs/sk LCM-1 +0.2% R-3 + 6% Gel
						···	630	14.8	1.33	Cl H w/ 0.6% R-3, 0.125% Cello Flake, 2% Gel
									_	<i>:</i>

#### 9. Proposed Mud Program is as follows:

Depth	Depth 0-350		4150-4300
Mud Type	Fresh Water Mud	Brine	Brine, Salt Gel, & Starch
Properties			
MW	8.4-9.2	9.8-10.1	9.9-10.1
рН	9.0-10.5	10-12	10.0-12.0
WL	NC	NC	20-30
Vis	28-34	28-29	32-34
MC	NC	NC	<2
Solids	NC	<2 .	<3
Pump Rate	300-350	375-425	400-425
Special		Use Poymers sticks and MF-55 Hi-Vis Sweeps as necessary	Hi Vis Sweeps, add acid and starch as req. Raise Vis to 35 for log.

## 10. Pressure Control Equipment: See Attached Description and diagram of Pressure Control Equipment.

#### 11. Testing, Logging and Coring Program

Testing Program: No drill stem tests are anticipated

Electric Logging Program: SGR-DLL-CDL-CNL Quad Combo from 4321' to surf. Csg. SGR-CNL to

Surf.

Coring Program: No full or sidewall cores are anticipated.

#### 12. Potential Hazards:

No abnormal temperatures or pressures are expected. There is no known presence of H2S in this area. If H2S is encountered the operator will comply with 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 1892 psi based on 0.44 x TD. The estimated BHT is 125 degrees F.

#### 13. 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.

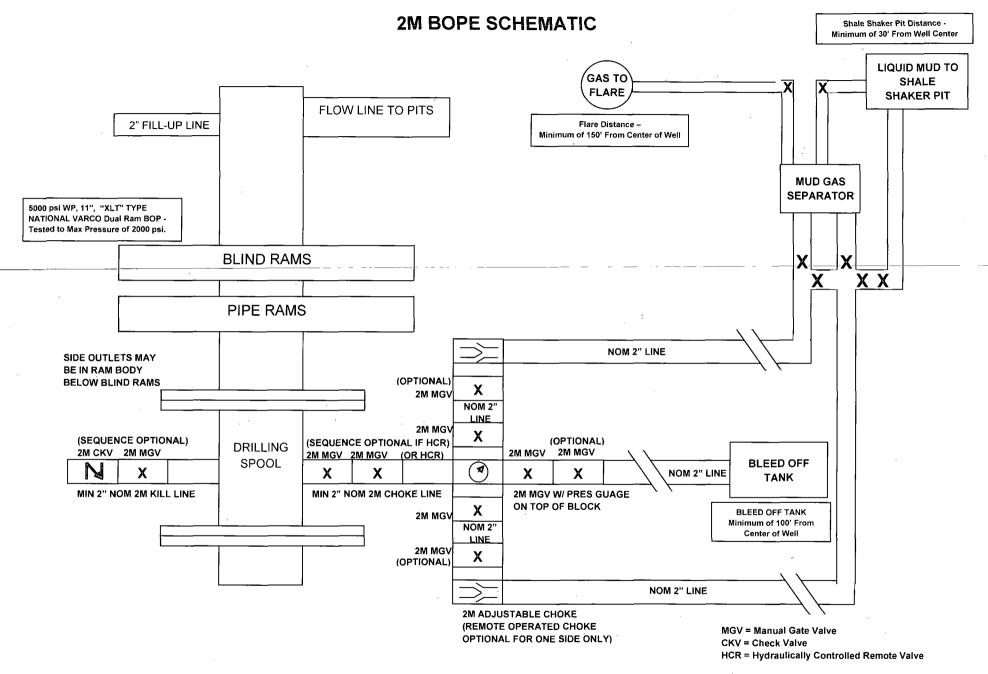
#### **Pressure Control Equipment**

The blowout preventer equipment (BOP) will consist of a 5000 psi rated, "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. Stirling 6M #4

## 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 and emergency response equipment 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.

#### **EMERGENCY PROCEDURES**

#### Escape

Crews shall escape upwind of escaping gas in the event of an emergency release of gas, or if monitors indicate H<sub>2</sub>S 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
  - o Detection of H2S, and
  - o Measures for protection against the gas,
  - o Equipment used for protection and emergency response.

#### H2S CONTINGENCY DRILLING PLAN EMERGENCY CONTACTS

#### **Ignition of Gas Source**

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (S02). 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	H <sub>2</sub> S	1.189 Air= 1	10 ppm	100 ppm/hr	600 ppm
Sulfur Dioxide	S0 <sub>2</sub>	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.

#### H<sub>2</sub>S Operations

Though no H<sub>2</sub>S 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<sub>2</sub>S 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<sub>2</sub>S level below 10 ppm, 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 PERSON	NEL		· 		<del></del>
Name	Title	Location	Office #	Cell #	Home #
SID ASHWORTH	OPERATIONS MANAGER	HOUSTON	713-292-9526	713-906-7750	713-783-1959
SPENCER COX	PRODUCTION ENGINEER	HOUSTON	713-292-9528	432-254-5140	SAME AS CELL
ERIC MCCLUSKY	PRODUCTION ENGINEER	HOUSTON	713-360-5714	405-821-0534	832-491-3079
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
DALW KENNARD	WELL SITE SUPERVISOR	ROTATES ON SITE	NA	575-420-1651	. NA
GARY MCCELLAND	WELL SITE SUPERVISOR	ROTATES ON SITE	NA	903-503-8997	NA
BRAD TATE	WELL SITE SUPERVISOR	ROTATES ON SITE	NA	575-441-1966	NA
DAVE WILLIAMSON	WELL SITE SUPERVISOR	ROTATES ON SITE	NA	575-308-9980	NA

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		Agency Call List		1
City		cy or Office	Telephone Number	1
Artesia		Ambulance	911	1
Artesia	1	State Police	575-746-2703	1
Artesia		Sheriff's Office	575-746-9888	1
Artesia		City Police	575-746-2703	1
Artesia		Fire Department	575-746-2701	1
Artesia	Lc	ocal Emergency Planning Committee	575-746-2122	1
Artesia		New Mexico OCD District II	575-748-1283	1
Carlsbad		Ambulance	911	t
Carlsbad	<del></del>	State Police	575-885-3137	1
Carlsbad		Sheriff's Office	575-887-7551	1
Carlsbad		City Police	575-885-2111	1
Carlsbad		Fire Department	575-885-2111	1
Carlsbad	Le	ocal Emergency Planning Committee	575-887-3798	1
Carlsbad		US DOI Bureau of Land Management	575-887-6544	1
State			<b>3.0.0</b>	1
Wide	New Mexico Emergency	Response Commission ("NMERC")	505-476-9600	1 .
State Wide		NMERC 24 hour Number	505-827-9126	1.
State Wide	New Mexico	State Emergency Operations Center	505-476-9635	1
National		Response Center (Washington, D.C.)	800-424-8802	1
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### H2S CONTINGENCY DRILLING PLAN EMERGENCY CONTACTS

	Emerg	gency Services			
Name	Service	Location	Telephone Number	Alternate Number	
Boots & Coots International Well Control	Well Control	Houston / Odessa	1-800-256-9688	<sup>/</sup> 281-931-8884	
Cudd Pressure Control	Well Control & Pumping	Odessa	915-699-0139	915-563-3356	
Baker Huges 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	Alburquerque	505-842-4433	SAME	
Artesia General Hospital	Emergency Medical Care	Artesia	575-748-3333	702 North 13 Street	