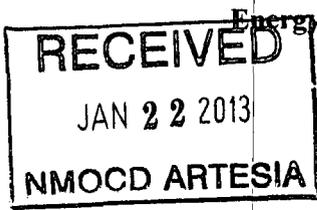


District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720

State of New Mexico

Form C-101  
Revised November 14, 2012

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



Energy Minerals and Natural Resources

Oil Conservation Division

AMENDED REPORT

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

1220 South St. Francis Dr.

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

Santa Fe, NM 87505

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address <b>LRE OPERATING, LLC</b> C/O Mike Pippin, LLC, 3104 N. Sullivan Farmington, NM 87401		<sup>2</sup> OGRID Number 281994
		<sup>3</sup> API Number 30-015-34086
<sup>4</sup> Property Code 309874	<sup>5</sup> Property Name <b>STALEY STATE</b>	<sup>6</sup> Well No. <b>38</b>

**7. Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
I	30	17-S	28-E		2310	S	330	E	EDDY

**8. Proposed Bottom Hole Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

**9. Pool Information**

Pool Name Red Lake, Glorieta-Yeso NE	Pool Code 96836
-----------------------------------------	--------------------

**Additional Well Information**

<sup>11</sup> Work Type D	<sup>12</sup> Well Type O	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type S	<sup>15</sup> Ground Level Elevation 3601'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 4850'	<sup>18</sup> Formation Glorieta-Yeso	<sup>19</sup> Contractor United Drilling, Inc.	<sup>20</sup> Spud Date 2/15/13
Depth to Ground water 40'	Distance from nearest fresh water well >1000'		Distance to nearest surface water >1000'	

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
*Surface	12-1/4"	8-5/8"	24# K-55	406'	375	Circ Cmt
*Production	7-7/8"	5-1/2"	17&15.5# J-55	3984'	350	Circ Cmt
	4-3/4"	4"	11.6# L-80 FJ	3200'-4850'	100	3200'

**\*EXISTING CASING**

**Casing/Cement Program: Additional Comments**

--

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
XLT 11"	5000	2000	National Varco

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: <i>Mike Pippin</i> Printed name: Mike Pippin Title: Petroleum Engineer E-mail Address: <a href="mailto:mike@pippinllc.com">mike@pippinllc.com</a> Date: January 18, 2013	OIL CONSERVATION DIVISION	
	Approved By: <i>J. C. Shepard</i>	
	Title: <i>Geologist</i>	
	Approved Date: <i>1/29/2013</i>	Expiration Date: <i>1/29/2015</i>
	Conditions of Approval Attached	

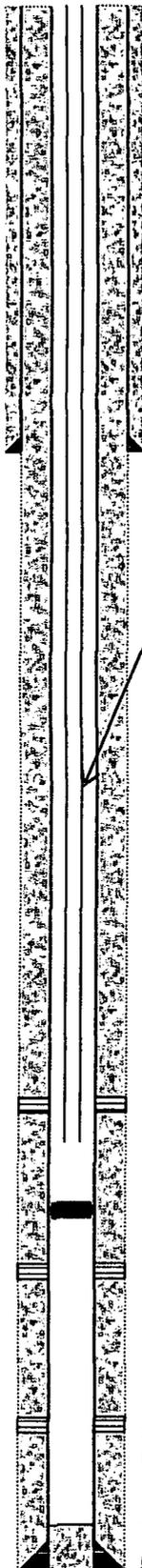
Phone: 505-327-4573



LIME ROCK  
RESOURCES

CURRENT 1-16-2013

Staley State #3  
Sec 30-17S-28E (I)  
2310' FSL, 330' FEL  
Elevation - 3,601'  
API #: 30-015-34086  
Eddy County, NM



8-5/8", 24#, K-55, ST&C Casing @ 406'.  
Circulated 106 sx to Surface.

2-7/8"; 6.5#, J-55 Tubing @ 3,039'

Perfs: 2,627'; 29'; 35'; 44'; 48'; 53'; 56'; 61';  
65'; 2,717'; 35'; 46'; 52'; 54'; 63'; 71'; 89'; 90';  
2,802'; 06'; 08'; 09'; 13'; 21'; 25' - 28'; 32' -  
33'; 44' - 45'; 48' & 75' (1 SPF - 34 holes)

RBP @ 3,250'

Perfs: 3,306' - 10'; 12' - 16'; 24' - 30'; 48' -  
50'; 53' - 55' & 72' - 78' (1 SPF - 30  
holes)

Perfs: 3,419'; 39'; 47'; 53'; 87'; 3,503'; 29';  
37'; 45'; 59'; 81' & 3,612' (2 SPF - 24  
holes)

PBTD @ 3,924'

5-1/2"; 15.5 - 17#; K-55; ST&C Casing @ 3,984'.  
Circulated 94 sx to Surface. (6/30/2005)

TD @ 3,994'

Stim Info: 3400 gal 15% NEFE. Frac w/ 110,000 # of  
16/30 in 25# x-linked gel. (9/8/08)

Stim Info: 3000 gal 15% NEFE; Treat w/ 20k gal heated  
20% HCl + 30k gal htd gel and 5k gal of 15% HCl Cool  
Down. (7/25/05)

Stim Info: Treat w/ 15k gal 20% HCl + 20k gal linear gel  
and 2k gal of 15% HCl. (7/2/08)

Stim Info: 2700 gal 15% NEFE. (6/30/08)

GEOLOGY

Zone	Top
Yates	504'
7 Rivers	808'
Queen	1,108'
Grayburg	1,492'
San Andres	1,796'
Glorieta	3,170'

SURVEYS

Degrees	Depth
1/4°	539'
1/2°	1,007'
1/2°	1,514'
3/4°	1,991'
1°	3,011'
1°	3,517'
1°	3,962'



# Proposed 1-16-2013

**Staley State #3**  
**Sec 30-17S-28E (I)**  
**2310' FSL, 330' FEL**  
**Elevation – 3,601'**  
**API #: 30-015-34086**  
**Eddy County, NM**

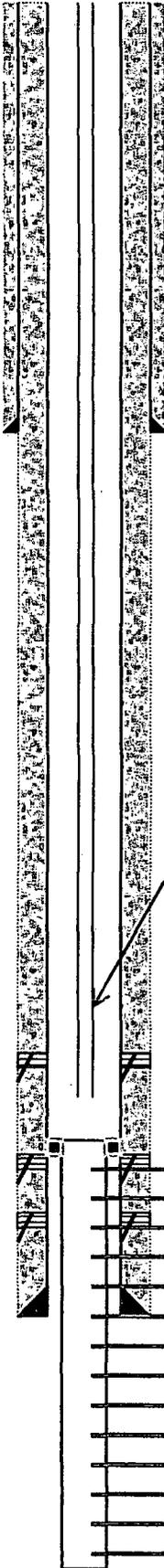
8-5/8",  
 24#, K-55,  
 ST&C  
 Casing @  
 406'.  
 Circulated  
 106 sx to  
 Surface.

**Squeeze**  
**Perfs:** 2,627';  
 29'; 35'; 44';  
 48'; 53'; 56';  
 61'; 65';  
 2,717'; 35';  
 46'; 52'; 54';  
 63'; 71'; 89';  
 90'; 2,802';  
 06'; 08'; 09';  
 13'; 21'; 25' –  
 28'; 32' – 33';  
 44' – 45'; 48'  
 & 75' (1 SPF -  
 34 holes) 250  
 sx CI C to  
 2000 psi

**Squeeze**  
**Perfs:** 3,306'  
 - 10'; 12' – 16';  
 24' – 30'; 48'  
 – 50'; 53' –  
 55' & 72' – 78'  
 (1 SPF - 30  
 holes) 200 sx  
 CI C to 2000  
 psi

**Squeeze**  
**Perfs:** 3,419';  
 39'; 47'; 53';  
 87'; 3,503';  
 29'; 37'; 45';  
 59'; 81' &  
 3,612' (2 SPF  
 - 24 holes)  
 300 SX CI C  
 to 2000 psi

**Proposed**  
**TD = 4850'**



1. Pull pump & rods,
2. Pull RBP @ 3250',
3. Sqz Yeso perfs 3419-3612' w/ 250 sx CI C to 2000 psi,
4. Sqz Yeso perfs 3306-3378' w/ 200 sx CI C to 2000 psi,
5. Sqz San Andres perfs from 2627-2875' w/ 250 sx CI C cmt to 2000 psi,
6. Drill out sqz perfs in each zone testing to 1000 psi after each set of perfs,
7. Use 4-3/4" bit and drill new open hole from 3994' (after drl'g out shoe at 3984') to 4850',
8. Circ hole clean, POOH, log Yeso formation from 5-1/2" csg to 4850',
9. Set 4" flush joint liner to 4850' with liner hanger and packer set at 3200' MD.
10. Drill out 4" liner to PBSD and test same to 1000 psi for 30 minutes,
11. Perf Glorieta-Yeso from 3190' to 4750' with 1 spf in 4 stages each phase 350' long with a 50' skip for a composite bridge plug,
12. Frac each stage with 25# x-linked gel loaded from 1-4 ppg with 100,000 lbs of 16/30 brown sand,
13. Drill out bridge plug and place well on pump
14. Run tapered tbg string, pump and rods,

**2-7/8"; 6.5#, J-55 Tubing @ 3100' and**  
**2-1/16" tubing to 4800'**

**Pump with 1-1/2" pump using 7/8" rods**

**4" x 5-1/2" Liner Hanger and Liner**  
**Hanger Packer @ 3200'**

**5-1/2"; 15.5 - 17#, K-55; ST&C Casing @ 3,984'.**  
**Circulated 94 sx to Surface. (6/30/2005)**

**Perf Glorieta-Yeso in 4 Stages from 3190-4750' and**  
**Frac Each stage with 100K lbs 16/30 Sand under a**  
**3-1/2" 9.3# N-80 frac string on pkr set @ ~3000'.**

**4" 11.6" L-80; Flush Joint Liner @ 4850' - 3,200'.**  
**Cemented w/ 100 sx in place to Surface.**

## GEOLOGY

Zone	Top
Yates	504'
7 Rivers	808'
Queen	1,108'
Grayburg	1,492'
San Andres	1,796'
Glorieta	3,170'

## SURVEYS

Degrees	Depth
1/4°	539'
1/2°	1,007'
1/2°	1,514'
3/4°	1,991'
1°	3,011'
1°	3,517'
1°	3,962'

**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 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number 30-015-34086	<sup>2</sup> Pool Code 96836	<sup>3</sup> Pool Name Red Lake; Glorieta-Yeso NE
<sup>4</sup> Property Code 309874	<sup>5</sup> Property Name STALEY STATE	
<sup>7</sup> OGRID No. 281994	<sup>8</sup> Operator Name LRE OPERATING, LLC.	<sup>6</sup> Well Number 39 <sup>9</sup> Elevation 3601' GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	30	17-S	28-E		2310'	SOUTH	330'	EAST	EDDY

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
-------------------------------------	-------------------------------	----------------------------------	-------------------------

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.

30	330'	O	2310'	O

<sup>17</sup> **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: Mike Pippin Date: 1/18/13

Mike Pippin  
Printed Name

<sup>18</sup> **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.

Date of Survey: 7/20/00

Signature and Seal of Professional Surveyor:  
Dan R. Reddy

5412  
Certificate Number

**LRE OPERATING, LLC**  
**DRILLING PLAN**  
**STALEY STATE #3S - DEEPENING**

STALEY STATE #3S  
 API#: 30-015-34086  
 2310' FSL & 330' FEL  
 I-Sec30-T17S-R28E  
 Eddy County, NM

1. The elevation of this existing well is 3601'.
2. The geologic name of the surface formation is Quaternary-Alluvium.
3. A rotary rig will be used to deepen this well from the 5-1/2" casing shoe at 3984' to a new TD4850'.
4. Proposed TD is 4850'.
5. Actual and estimated geologic markers:

Formation	Actual	Estimated
Yates	504'	
7 Rivers	808'	
Queen	1108'	
Grayburg	1492'	
San Andres	1796'	
Glorieta	3170'	
Yeso		3286'
Tubb		4653'

6. Estimated depths at which oil, gas, or other minerals are expected to be encountered:  
 Yeso 3286'

7. Proposed Casing Liner & Cementing Program:

Type	Hole Size	Csg Size	Wt	Grade	Depth	SX	Density	Yield	Additives
Liner	4-3/4"	4" FJ	11.6#	L-80	4850'	~195	14.8	1.33	"C" w/0.6% R-3 & 1/4 # CF
Liner Hanger will be at 3200'.									

8. Proposed Mud Program:

Depth	3984'-4850'
Mud Type	Brine, Salt Gel, & Starch
Properties	
NW	9.9-10.2
pH	10-11.5
WL	20-30
Vis	32-35
MC'	<2
Solids	<3
Pump Rate	400-450
Special	Hi Vis Sweeps, add acid & starch as req. Raise Vis to 35 for logs

9. Pressure Control Equipment: See Attached Description and diagram of Pressure Control Equipment
10. Testing, Logging & Coring Program  
 No drill stem tests are anticipated  
 Electric Logs: GR & Neutron/Density Logs  
 No coring is anticipated

**DRILLING PLAN**  
**STALEY STATE #35 - DEEPENING**

11. **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 2134 psi based on 0.44xTD. The estimated BHT is 125 degrees F.**
12. **Anticipated start date will be soon after approval and as soon as a rig will be available. Move in operations and drilling is expected to take 6 days. An additional 8 days will be needed to complete the well.**
13. **The well will be completed in the Yeso using a 4 stage frac treatment of about 400,000# 16/30 sand in X-linked gel. The well will be stimulated using a 3-1/2" 9.3# N-80 frac string on a pkr set at about 3000'.**

## **Pressure Control Equipment**

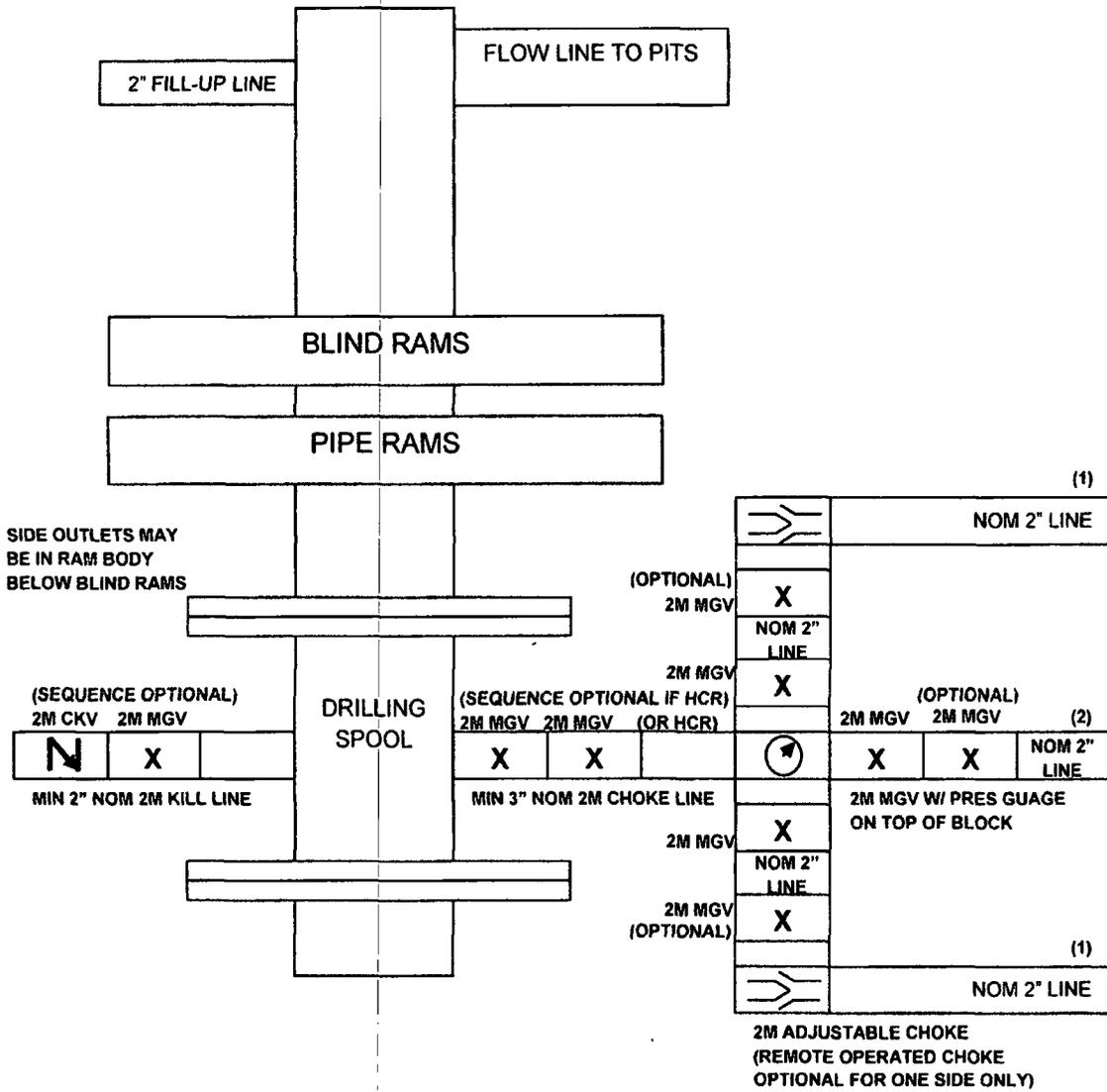
The blowout preventer equipment (BOP) will consist of a 2000 psi double ram type preventer, a bag-type (Hydrill) preventer and rotating head. Both units will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and drill pipe rams on bottom. A 2M BOP will be installed on the 5-1/2" casing spool and utilized continuously until the depth is reached. The liner will be tested as per Onshore Order #2.

**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:**

- Annular preventers**
- Double ram with blind rams and pipe rams.**
- Drilling spool, or blowout preventer with 2 side outlets (choke side shall be a 2 inch 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)**
- 3 inch diameter choke line**
- 2 kill valves, one of which will be a check valve (2 inch minimum)**
- 2 chokes**
- 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.**
- Fill-up line above the uppermost preventer.**

# 2M BOP SCHEMATIC



- (1) Line to mud gas separator and/or pit
- (2) Bleed line to pit

MGV = Manual Gate Valve  
 CKV = Check Valve  
 HCR = Hydraulically Controlled Remote Valve

LRE Operating, LLC

**STALEY STATE #3S**  
**HYDROGEN SULFIDE (H<sub>2</sub>S) CONTINGENCY**  
**DRILLING PLAN**

**Assumed 100 ppm ROE = 3000'**

**100 ppm H<sub>2</sub>S concentration shall trigger activation of this plan.**

**This is an open drilling site. H<sub>2</sub>S 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<sub>2</sub>S monitors, warning signs, wind indicators and flags will be in use.**

**SUMMARY PLAN**

1. All personnel shall receive proper H<sub>2</sub>S 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<sub>2</sub>S 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. H<sub>2</sub>S 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<sub>2</sub>S 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<sub>2</sub>S is possible, and furthermore, the color will be changed should the site condition dictate. If H<sub>2</sub>S 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<sub>2</sub>S 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<sub>2</sub>S 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<sub>2</sub>S conditions. Drill collars and other bottom hole assembly components are to be inspected after each well, and in the event H<sub>2</sub>S 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<sub>2</sub>S 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<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 H<sub>2</sub>S, 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<sub>2</sub>S 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<sub>2</sub>S, 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<sub>2</sub>). 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<sub>2</sub>S and SO<sub>2</sub>

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	SO <sub>2</sub>	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<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, 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

<b>KEY PERSONNEL</b>					
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 MCCCELLAND	WELL SITE SUPERVISOR	ROTATES ON SITE	NA	903-503-8997	NA

<b>Agency Call List</b>		
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

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