. 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 District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **EnergyMinerals and Natural Resources**

Oil Conservation Division 1220 South St. Francis Dr. **Santa Fe, NM 87505**

	Form C-101				
Revised	July	18, 2013			

` ☐ AMENDED Report

Phone: (505) 476-3			FOR PERM	1T T <i>(</i>	angir	I RF	LENTER	DEEDI	N PLIG	BACK O	R ADD A ZONE	
	ILICA	·	¹ Operator Na	me and Add	iress	<i>1</i> 11, ICE		, DEET I		² OGRID Numl		
·		1111 E	Lime Rock Re Bagby Street, Suite		•	as 77002			30-	O/5 API Numbe		
210	ronerty Code	1				Property Na	me hoon 12D		1		Well No. #3	
217		1					Locatio					
UL - Lot	Section	Township	Range	1 1	ot Idn	Feet F	rom	N/S Line	Feet From	E/W Line	County	
D	12	185	26E			990	0	N	990	W	Eddy	
				⁸ .Pı	oposed	Botto	m Hole	Location				
UL - Lot	Section	Township	Range	I	Lot Idn	, Feet F	rom	N/S Line	Feet From	E/W Line	1	
D	12	18S	26E			990	I	N	990	W	Eddy	
	·····				<u> 9 P</u>	ool In	formatio	n				
Atoká; Glorie	ta-Yeso,		٠,			•					3250	
,	· · · · · · · · · · · · · · · · · · ·			A	dditior	nal We	ell Inform	nation				
	rk Tvoe		10 Well Type	•		11 Cable/Ro	etarv	1	Lease Type		13 Ground Level Elevation	
	N Iultiple	•	O 15 Proposed Depth		 	R 16 Formati	ion	1	P 7 Contractor		3288 18 Spud Date	
	N	_4	603' MD / 4603' T		<u> </u>	Yeso		1	d Drilling, Inc.	After 6/1/2015		
Depth to Grou	nd Water:	•	8 Ft. Dista	nce from	nearest fres	sh water w	vell:	0.25 N	files Distance f	rom nearest su	o.37 Miles	
X We will	l be using a	closed-loop	system in lieu of			asing a	and Cem	·	ram			
Туре	Hole	e Size	Casing Size	(Casing Weig	ght/ft	Setti	ng Depth	Sacks of	Cement	Estimated TOC	
Conducto	r 2	26"	20"		. 91.5		80		8	0	Surface	
Surface	12-	-1/4" [']	8-5/8"		24			425		50	Surface	
Production	n 7-	7/8"	5-1/2"		17		4603 89			90 Surface		
•			Casi	ng/Ce	ment P	rogra	m: Addi	tional Co	mments		<u>-</u>	
									<u> </u>			
			F	ropo	sed Blov	wout P	Preventio	n Progra	m			
4	Type			Working	g Pressure		Test Pressure			Manufacturer		
	XLT 11"			50	000			2000		National Varco		
							I			1	•	
of my knowled	ge and belief	Ξ.	ven above is true an	•		st nd/or		OIL C	ONSERVA	TION DI	VISION	
19.15.14.9 (B) NMAC 0, if applicable. X Signature: Percon						Approved By	A	20a	do			
Printed Name	e: Spencer C	Cox					Title: DIST J.ST JOWNS					
Title: Produc	ction Engine	er					Approved Da		/	xpiration Date	5/20/2017	
E-mail Addres	ss: scox@l	limerockre	sources.com	_				7-7			/ / /	

Conditions of Approval Attached

Phone: 713-292-9528

Date: 5/13/2015

District 1 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 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

Phone: (505) 476-3460 Fax: (505) 476-3462

District IV 1220 S. St. Francis Dr., Santa Fe, NM \$7505

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

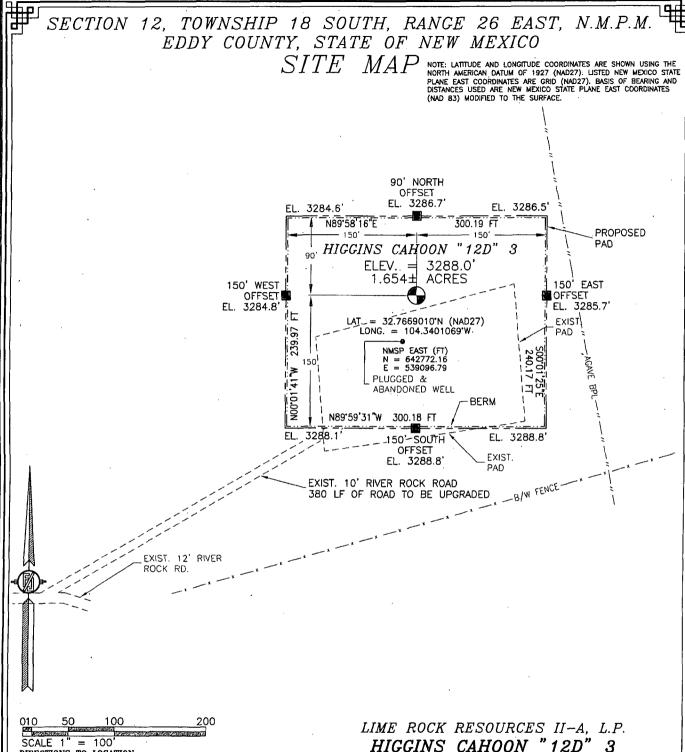
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-015	API Numbe	3116	3	Pool-Coo	ie /	Hoka: G	lorieta	A: 1/6	250	
Property	Code				5 Property	Name .			. , 1	Vell Number
131483	51				HIGGINS CA	HOON 12D				3
¹OGRID	No.				* Operator	Name			y	Elevation
27755	8	LIME ROCK RESOURCES II-A, L.P. 3288.0						3288.0		
	-				" Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	t line	County
D	12	18 S	26 E		990	NORTH	990	WES	T	EDDY
			" B	ottom H	ole Location	If Different Fr	om Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Wes	t line	County
									1	,
12 Dedicated Acre	s ¹³ Joint	or Infill	Consolidatio	1 Code		'	15 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.

	N89'38'13"F	2665.80 FT	N89'38'13"E	2665.80	FT .		"OPERATOR CERTIFICATION
	NW	CORNER SEC. 12 N/	4 CORNER SEC. 12	NE C	ORNER SEC. 12]	I hereby certify that the information contained herein is true and complete to the
			T. = 32.7696513'N IG. = 104.3346266'W		= 32.7696974'N 104.3259561'W		hest of my knowledge and helief, and that this organization either owns a
			NMSP EAST (FT)		IMSP EAST (FT)		working interest or unleased mineral interest in the land including the proposed
	1 N:	d 643755.77 d	N = 643772.66	1	N = 643789.56		bottom hole location or has a right to drill this well at this location pursuant to
7C 00N	E :	538116.20	E = 540781.38	į.	E = 543446.55	S00'02	a contract with an owner of such a mineral or working interest, or to a
7	990'—					02.4	voluntary pooling agreement or a compulsory pooling order heretofore entered
7 0 5		L SURFACE LOCATION		! !		40 E	by the division.
≥			ZD" 3	·		26	Spines Ge 5-13-15
2649.8		ELEV. = 3288.0' LAT. = 32.7669010!N	(111027)	! •		2641.29	Signature Date
.81 F1		LONG. = 104.3401069		1		9 FI	Spincer Con
-		NMSP EAST (FT) N = 642772.16		ŧ ı		_	Printed Name
		E = 539096.79		! !			c. alk sca-
	W/4 CORNER SEC. 12 LAT. = 32.7623228'N	! !			ORNER SEC. 12 32.7624389'N		E-mail Address
j	LONG. = 104.3433777'W	 		LONG. =	104.3259500'W		
	NMSP EAST (FT)	i ! !			IMSP EAST (FT) N = 641148.84		*SURVEYOR CERTIFICATION
	N = 641106.65 E = 538091.20	NOTE: LATITUDE AND LONGITU	IDE COORDINATES ARE		E = 543448.59		Thereby certify that the well Jocation shown on this plat was
		SHOWN USING THE NORTH AN (NAD27), LISTED NEW MEXICO					
z		COORDINATES ARE GRID (NAD AND DISTANCES USED ARE N	27). BASIS OF BEARING			2	ploued from field noises of actiful surveys made by me or under
N00:34'12	,	EAST (NADB3) COORDINATES I				S00'02'40"E	my supervision, and that the same is true and correct to the
4.12		SURFACE.				₹. 6.	best of my belief.
m,						· ·	JANDARY 28. 6018 797)
2649.90	t	4				2641	Date of Stifvey
9.90	j	1			1	1.29	
П	SW CORNER SEC. 12	S/4 CORNER S			RNER SEC. 12	귀	TO BE WILLIAM
	LAT. = 32.7550409'N LONG. = 104.3434626'W	LAT. = 32,755 LONG. = 104.33	51110'N 347011'W		32.7551803'N 104.3259440'W		Signature and Sent of Professional Surveyor
	NMSP EAST (FT)	NMSP EAST	1		MSP EAST (FT)		-Certificate Number: FILIMON F JARAMILLO, PLS 12797
	N = 638457.46 E = 538064.84	N = 63848 E = 54075			1 = 638508.12 = 543450.64		SURVEY NO. 3166
	S89'27'37"W	2694.28 FT		2692.92 F			



SCALE 1" = 100'
DIRECTIONS TO LOCATION
FROM CR 39 (4-DINKUS) AND CR 44 (FANNING) AND CALICHE LEASE
ROAD, GO EAST ON CALICHE LEASE ROAD 0.26 MILES, TURN LEFT ON
A RIVER ROCK ROAD AND GO NORTH 0.5 MILES, TURN LEFT AND GO
WEST 0.24 MILES, TURN RICHT AND GO NORTH 0.26 MILES, TURN
RIGHT AND GO EAST 0.35 MILES TO A OLD RIVER ROCK ROAD AND
FOLLOW ROAD NORTHEAST 380' TO THE PROPOSED SOUTHWEST PAD
CORNER FOR THIS LOCATION.

LIME ROCK RESOURCES II-A, L.P.

HIGGINS CAHOON "12D" 3

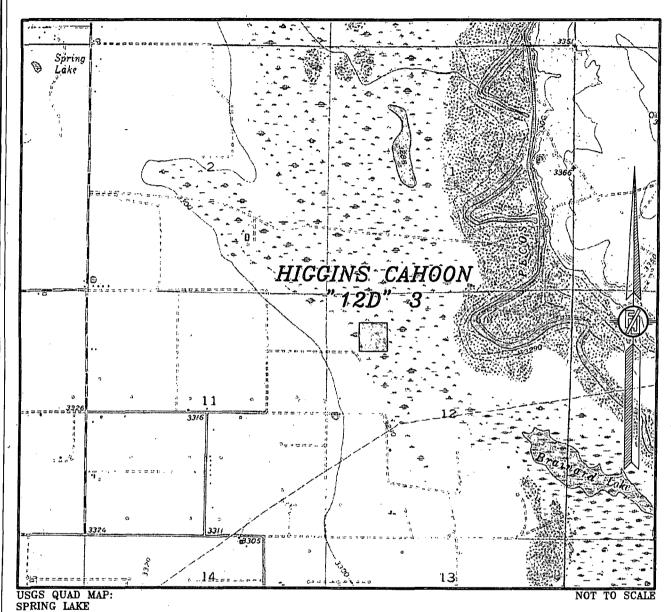
LOCATED 990 FT. FROM THE NORTH LINE
AND 990 FT. FROM THE WEST LINE OF
SECTION 12, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JANUARY 28, 2015

SURVEY NO. 3166

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

SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO LOCATION VERIFICATION MAP



LIME ROCK RESOURCES II-A, L.P.

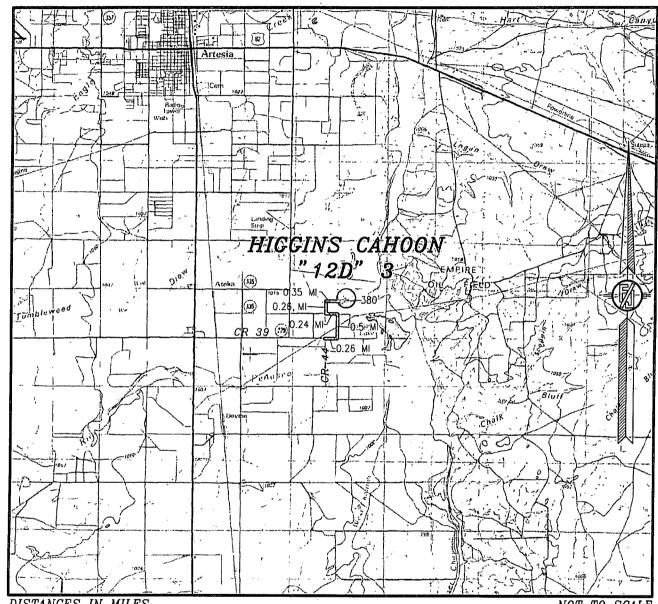
HIGGINS CAHOON "12D" 3

LOCATED 990 FT. FROM THE NORTH LINE
AND 990 FT. FROM THE WEST LINE OF
SECTION 12, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JANUARY 28, 2015

SURVEY NO. 3166
MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO

SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DIRECTIONS TO LOCATION

DIRECTIONS TO LOCATION
FROM CR 39 (4-DINKUS) AND CR 44 (FANNING) AND CALICHE LEASE
ROAD, GO EAST ON CALICHE LEASE ROAD 0.26 MILES, TURN LEFT ON
A RIVER ROCK ROAD AND GO NORTH 0.5 MILES, TURN LEFT AND GO
WEST 0.24 MILES, TURN RIGHT AND GO NORTH 0.25 MILES, TURN
RIGHT AND GO EAST 0.35 MILES TO A OLD RIVER ROCK ROAD AND
FOLLOW ROAD NORTHEAST 380' TO THE PROPOSED SOUTHWEST PAD
CORNER FOR THIS LOCATION.

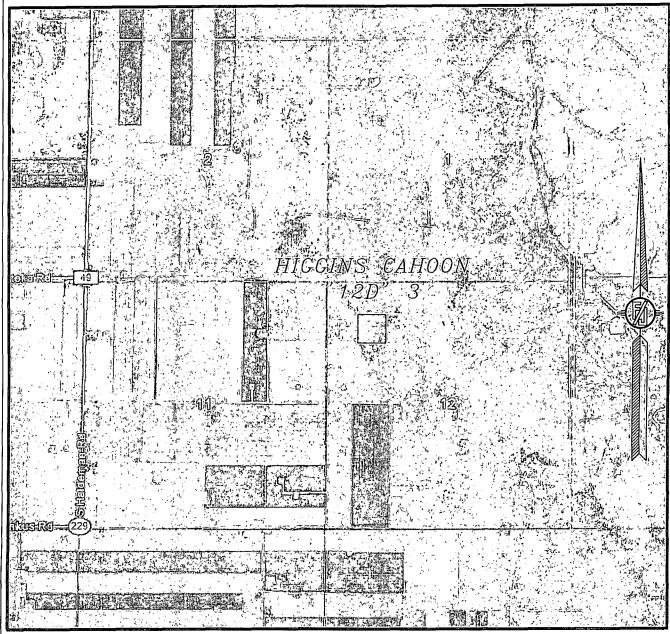
LIME ROCK RESOURCES II-A, L.P. HIGGINS CAHOON "12D" 3 LOCATED 990 FT. FROM THE NORTH LINE AND 990 FT. FROM THE WEST LINE OF SECTION 12, TOWNSHIP 18 SOUTH. RANGE 26 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO

JANUARY 28, 2015

SURVEY NO. 3166

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





NOT TO SCALE AERIAL PHOTO: GOOGLE EARTH MAY 2014

LIME ROCK RESOURCES II—A, L.P.

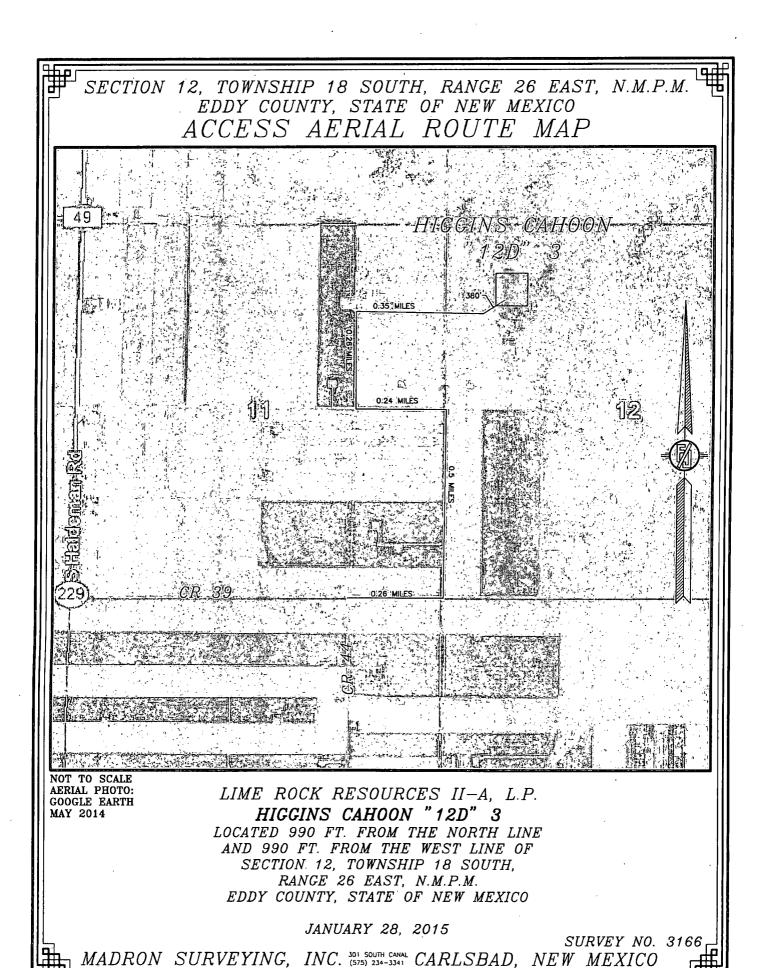
HIGGINS CAHOON "12D" 3

LOCATED 990 FT. FROM THE NORTH LINE
AND 990 FT. FROM THE WEST LINE OF
SECTION 12, TOWNSHIP 18 SOUTH,
RANGE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

JANUARY 28, 2015

SURVEY NO. 3166

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



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

Higgins Cahoon 12D #3 990' FNL 990' FWL (D) 12-18S-26E Eddy County, NM

- 1. The elevation of the unprepared ground is 3288 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 4603' and run casing. This equipment will be rigged down and the well will be completed with a workover rig.
- 4. Well will be drilled to a total proposed depth of 4603' MD.
- 5. Estimated tops of geologic markers:

	MD	TVD
Quaternary – Alluvium	Surface	Surface
Yates	NA	NA
7 Rivers	NA	NA
Queen	349	349
Grayburg	763	763
Premier	969	969
San Andres	1053	1053
Glorieta	2322	2322
Yeso	2442	2442
Tubb	3903	3903
TD	4603	4603

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

	MD	TVD
Yates	· NA	NA
7 Rivers	NA	NA
Queen	349	349
Grayburg	763	763
Premier	969	969
San Andres	1053	1053
Glorieta	2322	2322
Yeso	2442	2442
Tubb	3903	3903
TD	4603	4603

7. Proposed Casing and Cement program is as follows:

Туре	Hole	Casing	Wt.	Grade	Thread	Depth	Sx	Density	Yield.	Components
Conductor	26"	20"	91.5	В	Welded	80	80		1	Ready Mix
Surface	12-1/4"	8-5/8"	24	J-55	ST&C	425	350	14.8	1.35	CI C Cmt + 0.25 lbs/sk Cello Flake + 2% CaCl2
Intermediate										
Production	7-7/8"	5-1/2"	17	J-55	LT&C	4603	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
							690	14.8	1.33	Cl H w/ 0.6% R-3, 0.125% Cello Flake, 2% Gel

8. Proposed Mud Program is as follows

Depth	0-425	425-4453	4453-4603
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	10.0-12.0	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	300-500 gpm	375-425 gpm	400-425 gpm
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.

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

10. Testing, Logging and Coring Program

Testing Program: No drill stem tests are anticipated

Electric Logging Program: SGR-DLL-CDL-CNL Quad Combo from 4603 to surf. Csg. SGR-CNL to Surf.

Coring Program: No full or sidewall cores are anticipated.

11. 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 2025.32 psi based on 0.44 x TD. The estimated BHT is 125 degrees 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.

Hydrogen Sulfide Drilling Plan Summary

- A. All personnel shall receive proper H2S training in accordance with Onshore Order 6 III.C.3.a.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment:
 - Well control equipment
 - a. Flare line 150' from wellhead to be ignited by flare gun.
 - b. Choke manifold with a remotely operated choke.
 - c. Mud/gas separator
 - Protective equipment for essential personnel.

Breathing apparatus:

- a. Rescue Packs (SCBA) 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- b. Work/Escape packs —4 packs shall be stored on the rig floor and contain sufficiently long air hoses as to not to restrict work activity.
- c. Emergency Escape Packs —4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

- a. Stretcher
- b. Two OSHA full body harness
- c. 100 ft 5/8 inch OSHA approved rope
- d. 1-20# class ABC fire extinguisher

III H2S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)

Visual warning systems:

- a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
- b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
- c. Two wind socks will be placed in strategic locations, visible from all angles.

Mud program:

The mud program has been designed to minimize the volume of H2S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H2S bearing zones.

■ Metallurgy:

- a. All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.
- b. All elastomers used for packing and seals shall be H2S trim.

■ Communication:

Communication will be via two way radio in emergency and company vehicles. Cell phones and land lines where available.

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 #
Mike Loudermilk	Operations Manager	Houston	713-292-9526	832-331-7367	Same as Cell
Spencer Cox	Operations Engineer	Houston	713-292-9528	432-254-5140	Same as Cell
Eric McClusky	Operations 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
Gary McCelland	Well Site Supervisor	Rotates on Site	NA	903-503-8997	NA
Dave Williamson	Well Site Supervisor	Rotates on Site	NA	575-308-9980	NA·

	Agency Call List	
City	Agency or Office	Telephone#
Artesia	Ambulance	911
Artesia	State Police	575-746-2703
Artesia	Sherriff'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	Sherriff'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 Commisssion ("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

	Emerge	ency 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 Services	Artesia, Hobbs & Odessa	575-746-2757	Same
Total Safety	Safety Equipment & Personnel	Artesia	575-746-2847	Same
Cutter Oilfirld Services	Drilling Systems Equipment	Midland	432-488-6707	Same
Safety Dog	Safety Equipment & Personnel	Artesia	575-748-5847	575-441-1370
Fighting 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 13th Street

ſ

Pressure Control Equipment

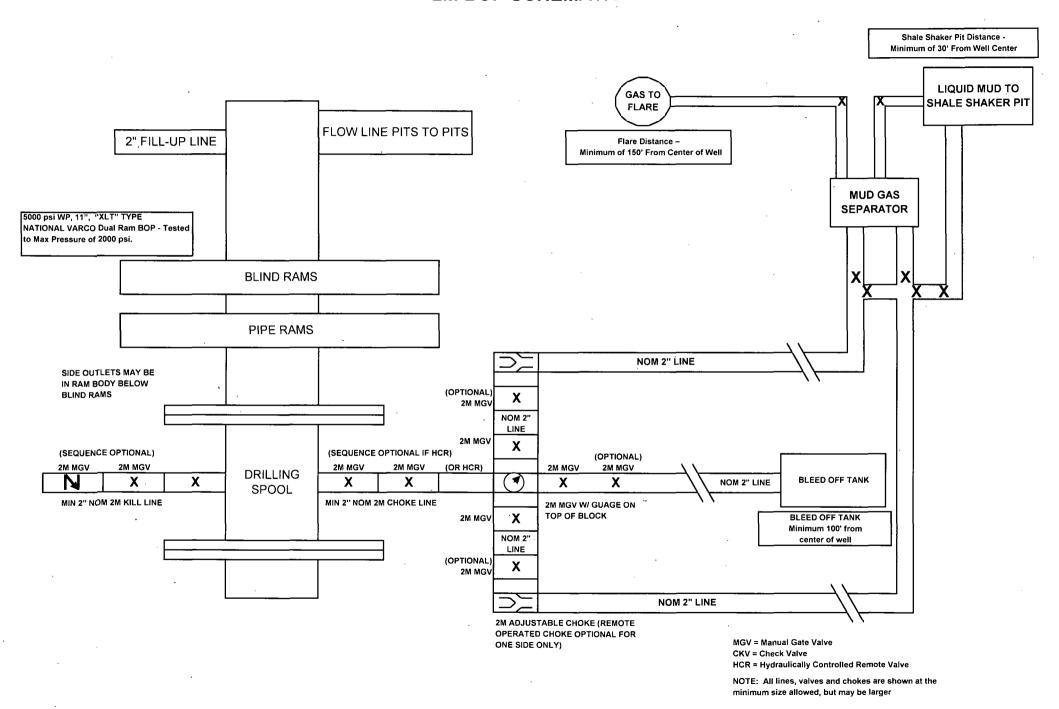
The blowout preventer equipment (BOP) will consist of a 5000 psi rated, "XLT" type, National VARCO double ram preventer that will be tested to a maximum pressure of 2000 psi. The unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and drill pipe rams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

2M BOP SCHEMATIC



Lime Rock Resources II-A, L.P. Higgins Cahoon 12D #3 Unit D, S12-T18S-R26E, 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

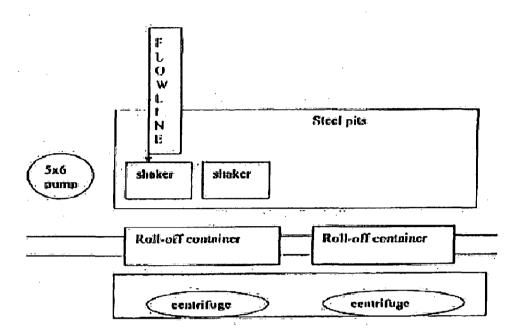
2-500 bbl frac tanks with fresh water 2-500 bbl frac tanks for brine water

Operations:

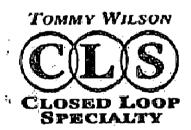
Closed Loop System equipment will be inspected daily by each tour and any necessary maintenance performed. leak in system will be repaired and/or contained immediately. OCD will be notified within 48 hours of any spill. Remediation process will start immediately.

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: 919,746,1689

CHO 575.748.6367

Permit Conditions of Approval

APL

30-0/5-43/16

OCD Reviewer	Condition
RO	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string