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 JIII
1000 Rio Brazos Road, Azrec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

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

Form C-101 Revised July 18, 2013

☐ AMENDED Report

Oil Conservation Division 1220 South St. Francis Dr.

Santa Fe. NM 87505

MAY 0 9 2016

				me and Address sources II-A, L.P.	,	•		² OGRID Numbe 2775	558
1111 Bagby Street, Suite 4600 Houston, Texas 77							30-	O/S -	43116
214	operty Code	,			⁵ Property Name	12D'			Well No. #3
<u> ZIZ</u>	<u>62.</u>				Higgins Cahoo			<u> </u>	#3
UL - Lot	Section	Township	Range	Lorldn	Surface L	ocation N/S Line	Feet From	E/W Line	County
D	12	185	26E	1 1011	990	N .	990	w	Eddy
				8 Proposed	d Bottom	Hole Locatio	n	•	
UL - Lot	Section	Township	Range	Lot ldn	. Feet From	N/S Line	Feet From	E/W Line	County
D	12	185	26E	<u> </u>	990	N	990	W	Eddy
				91	Pool Info	rmation			
oka; Gloriet	a-Yeso.		٠.		•				3250
				Additio		Information			
	k Tyne N		¹⁰ Well Tvoe O		11 Cable/Rotary R	1	Lease Type .	13	Ground Level Elevation 3288
	ultiple	1	13 Proposed Deoth		16 Formation		17 Contractor		18 Snud Date
pth to Groun	N N Water:	460	03' MD / 4603' T	VD ,	Yeso		led Drilling, Inc.	om nearest surf	After 6/1/2015
par to Oroan	id Water.	. 8	FL.			. 0.25	Miles		SA Tof
Type Conductor		Size	Casing Size	Casing We	ight/ft			Cement	Estimated TOC
Conductor	.] 2								
	_	6"	· 20"	91.5		80	80		Surface
Surface	12-	1/4"	8-5/8"	24		80	35		Surface
Surface Production	12-		8-5/8" 5-1/2"	. 17		80 425 4603	35		Surface Surface
Production	12-	1/4"	8-5/8" 5-1/2"	. 17		80	35		Surface
Production	12-	1/4"	8-5/8" 5-1/2" Casi	24 . 17 ng/Cement I	Program:	425 4603 Additional C	omments 35		Surface Surface
Production	12-	1/4"	8-5/8" 5-1/2" Casi	24 . 17 ng/Cement I	Program:	80 425 4603	omments	920 SKS	Surface Surface
Production	12-	1/4"	8-5/8" 5-1/2" Casi	24 . 17 ng/Cement I	Program:	425 4603 Additional C	omments am	920 SKS	Surface Surface CE Ment
Production	12- 7- Type XLT 11"	1/4"	8-5/8" 5-1/2" Casi	24 . 17 ng/Cement I Proposed Blo Working Pressure	Program:	425 4603 Additional C evention Progr	omments am	920 SKS	Surface Surface CE Ment
Production	Type XLT 11" that the info	1/4" 7/8" Trnation given	8-5/8" 5-1/2" Casi	24 . 17 ng/Cement I Proposed Blo Working Pressure 5000	Program:	425 4603 Additional Convention Program Test Pres 2000	omments am	920 SKS	Surface Surface CE WGIT Manufacturer National Varco
Production	Type XLT 11" that the info ge and belief, y that I hav	1/4" 7/8" mation given	8-5/8" 5-1/2" Casi	24 . 17 ng/Cement I Proposed Blo Working Pressure 5000	Program: owout Pre	80 425 4603 Additional Control Programmer Test Press 2000 OIL Control	omments am	920 SKS	Surface Surface CE WGIT Manufacturer National Varco
Production	Type XLT 11" that the info	1/4" 7/8" mation given	8-5/8" 5-1/2" Casil Fabove is true an with 19.15.14.9 (A	24 . 17 ng/Cement I Proposed Blo Working Pressure 5000	Program: owout Pre	425 4603 Additional Convention Program Test Pres 2000	omments am	920 SKS	Surface Surface CE WGIT Manufacturer National Varco
reby certify my knowledge rther certiff 15.14.9 (B) instance:	Type XLT 11" that the info ge and belief, y that I hav	mation giver	8-5/8" 5-1/2" Casil Fabove is true an with 19.15.14.9 (A	24 . 17 ng/Cement I Proposed Blo Working Pressure 5000	Program: owout Pre	Additional Covention Progr Test Pres 2000 OIL Coproved By:	omments am	720 SKS	Surface Surface Surface Weint Manufacturer National Varco
reby certify reby certify ry knowledg rther certif 5.14.9 (B)	Type XLT 11" that the info ge and belief, by that I hav NMAC 0, if	mation giver e complicable.	8-5/8" 5-1/2" Casil Fabove is true an with 19.15.14.9 (A	24 . 17 ng/Cement I Proposed Blo Working Pressure 5000	Program: owout Pre and/or App	Additional Covention Progr Test Pres 2000 OIL Coproved By:	omments am	720 SKS	Surface Surface Coment Manufacturer National Varco
reby certify by knowledgerther certiff (5.14.9 (B)) anature: Inted Name:	Type XLT 11" that the info ge and belief, by that I hav NMAC 0, if Spencer C	mation giver e complicable.	8-5/8" 5-1/2" Casil Factorial and the structure of the	24 . 17 ng/Cement I Proposed Blo Working Pressure 5000	Program: owout Pre and/or App	No 425 4603 Additional Control Programmer Test Press 2000 OIL Control By:	omments am	720 SKS	Surface Surface Surface Weint Manufacturer National Varco
Production Treby certify my knowledg rether certif 15.14.9 (B) mature:	Type XLT 11" that the info ge and belief, by that I hav NMAC 0, if Spencer C tion Engine s: scox@l	mation giver e complicable.	8-5/8" 5-1/2" Casil Factorial and the structure of the	24 . 17 ng/Cement I Proposed Blo Working Pressure 5000 d complete to the be	Program: owout Pre and/or App	No 425 4603 Additional Control Programmer Test Press 2000 OIL Control By:	omments am sure CONSERVA	720 SKS	Surface Surface Surface Weint Manufacturer National Varco

Conditions of Approval Attached

HOBBS OCD

District I 1625 N. French Dr., Hobbs, NM \$\$240 Phone: (575) 393-6464 Fax: (575) 393-0720 District ! STLS, First St., Artesia, NN \$\$210 Phone: (575) 748-1283 Fax; (575) 748-9720 District III 1900 Rio Brazos Road, Aztec, NM 87410 Phone: (305) 334-6178 Fax: (505) 334-6170 1220 S. St. Francis Dr., Santa Fe, NM \$7505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico State of New Mexico MAY 0 3 2016 Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION ECEIVED

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

1220 South St. Francis Dr.

District Office

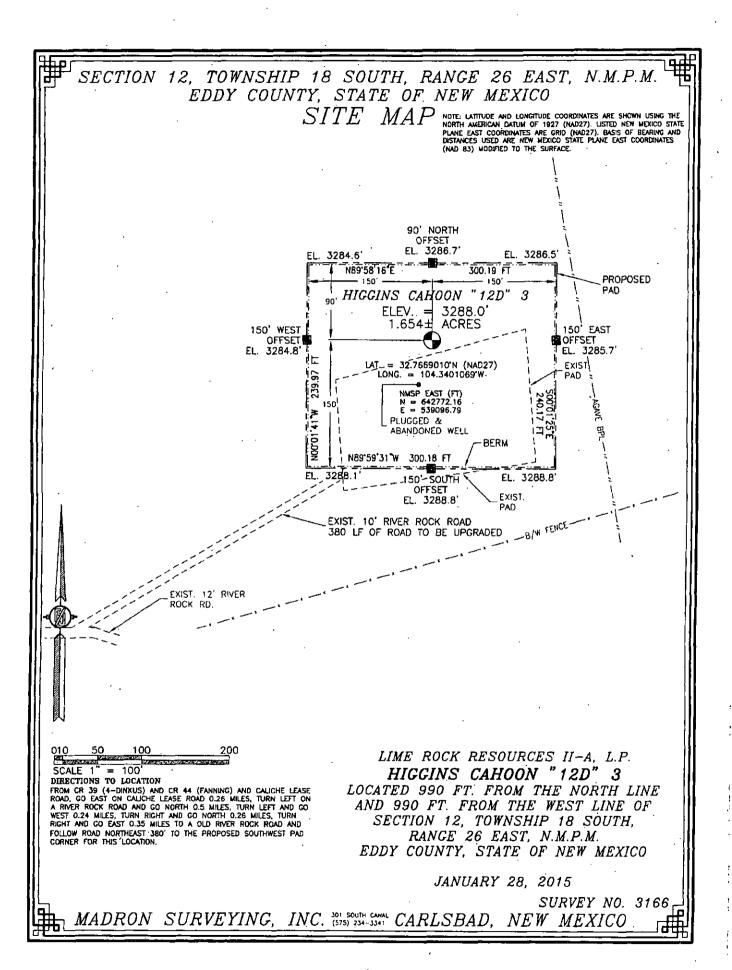
Santa Fe, NM 87505

☐ AMENDED REPORT

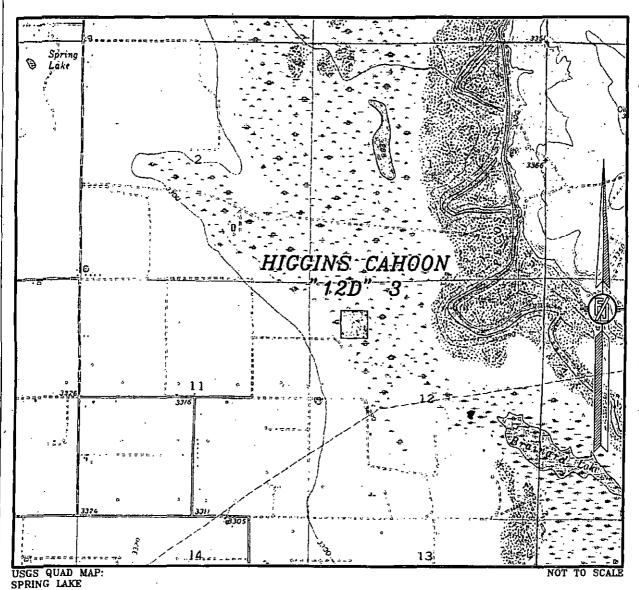
		WE	ELL LO	CATIO	N AND ACF	<u>LEAGE DEDIC</u>	CATION PL	AT		
30-01	API Numbe	3116	36	² Pool Cod 25	· F	Itoka: G	OF ICTA	". Ye	SO	
314837 HIGGINS CAHOON 12D								* Well Number		
1	OGRID No. 277558 LIME ROCK RESOURCES II-A, L.P.							Elevation 3288.0		
					• Surface l	Location				
UL or lot no. D	Section 12	Township 18 S	Range 26 E	Lot fdn	Feet from the 990	North/South line NORTH	Feet from the 990	East/West WES	1	
			" Be	ottom He	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/West	line Count	ty
11 Dedicated Acre	S Joint	or Infilt "C	onsolidation	Code	<u> </u>	<u> </u>	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.

	N39'38'13"E 2665.80 FT	N89'38'13"E	2665.80 FT		"OPERATOR CERTIFICATION
1	NW CORNER SEC. 12	N/4 CORNER SEC. 12	NE CORNER SEC. 12	1	I hereby certify that the information contained herein is true and complete to the
	LAT = 32.7696045'N LONG = 104.3452972'W	LAT: = 32.7696513'N	LAT. = 32.7696974'N		best of my knowledge and helief, and that this organization either more a
ı	0	LONG. = 104.3346266 W	LONG. = 104.3259561'W NUSP EAST (FT)		working interest or suffersed mineral interest in the land including the proposed
	0 NMSP EAST (FT) 0 N = 643755.77	NMSP EAST (FT) N = 643772.66	N = 643789.56		borrow hole location or has a right to drill this well or this location pursuant to
a	€ = 538116.20	E = 540781.38	E = 543446.55	8	a contract with an owner of such a mineral or working interess, in 20 a
75 003	990'	1]	20.0	stituatory presting agreement in a computancy punking index heretofore entered
6	V SURFACE	1 .	!	ð	by the division,
~	F	+	 	<u></u>	Spanner Ge 5-13-15
2649.81	HIGGINS CAHOO ELEV. = 3288.0'	N "12D" 3	1	2641.29	Sign Jure Dear
9.81	LAT. = 32.76690	10]N (NAD27)	i	1.29	o signature
	1 10NG - 104 346)10ea.m	1	ם	Herrer Cox
1	N = 642772.16	1	t		Printed Name
1	E = 539096.79	•	E/4 CORMER SEC. 12		Score meralyesares.com
1	W/4 CORNER SEC. 12 LAT. = 32.7623228'N		LAT. = 32.7624389'N		E-mail Address
ļ	LONG. = 104.3433777'W	·	LONG. = 104.3259500 W		
	NMSP EAST (FT) N = 641106.65	ì	' - NMSP EAST (FT) N = 641148.84		"SURVEYOR CERTIFICATION
1	E = 538091.20 ! NOTE: LATITUDE AND LE	ONGITUDE COORDINATES ARE	E = 543448.59		I hereby certify that the well location shown on this plat was
1		RTH AMERICAN DATUM OF 1927 MEXICO STATE PLANE EAST	· I		i i i i i i i i i i i i i i i i i i i
l z	, COORDINATES ARE GRID	(NAD27), BASIS OF BEARING ARE NEW MEXICO STATE PLANE		2	planed from field notes of actiffic furvers made by me or under
N00:34'12	; EAST (NAD83) COORDIA	ATES MODIFIED TO THE		500:02`40	my sugarision, and that the same is love and correct to the
¥	SURFACE.	, 		2.40	bestog na belleg
~		<u>-</u>		ď	jándaky 28.6618797)) ;
26	1	·	ĺ	2641	Darago Survey
2649.90	1	· · · · · · · · · · · · · · · · · · ·		1.2	
1 2	SW CORNER SEC. 12 S/4 COR	NER SEC. 12	SE CORNER SEC. 12	2	Honor of A War Alle
-	LAT. = 32.7550409'N LAT. = .	32,7551110'N	LAT. = 32.7551803'N		
		104.3347011"\Y	LONG. = 104.3259440'W	ĺ	Signapore and Sear of Processional Surveyor
		EÁST (FT) 638482.83 I	NMSP EAST (FT) N = 638508.12		Certificate Number: FILINION F. ARAMIILLO, PLS 12797
		540758.42	E = 543450.64		SURVEY NO. M66
'	589'27'37'W 2694.28 FT	\$89:27'42 W	2692.92 FT		
<u> </u>		 -			



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

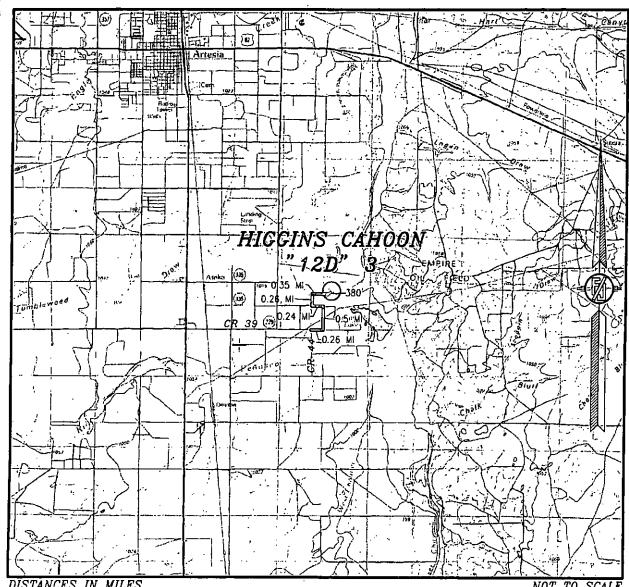
LOCATED 990 FT. FROM THE NORTH LINE
AND 990 FT. FROM THE WEST LINE OF
SECTION 12, TOWNSHIP 18 SOUTH,
RANCE 26 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

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

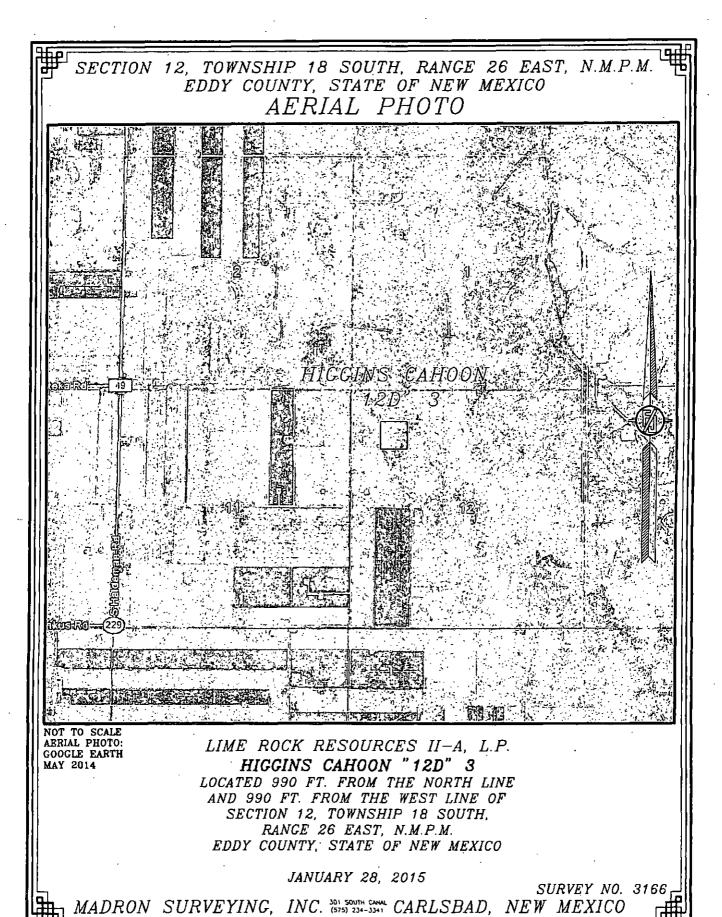
DIRECTIONS TO LOCATION DIRECTIONS TO LOCATION
FROM CR 39 (4-DINKUS) AND CR 44 (FANNING) AND CALICHE LEASE
ROAD, GO EAST ON CALICHE LEASE ROAD 0.28 MILES, TURN LEFT ON
A RIVER ROCK ROAD AND GO NORTH 0.5 MILES, TURN LEFT AND GO
WEST 0.24 MILES, TURN RICHT AND GO NORTH 0.26 MILES, TURN
RICHT AND GO EAST 0.35 MILES TO A OLD RIVER ROCK ROAD AND
FOLLOW ROAD NORTHEAST 380' TO THE PROPOSED SOUTHWEST PAD
CORNER FOR THIS LOCATION.

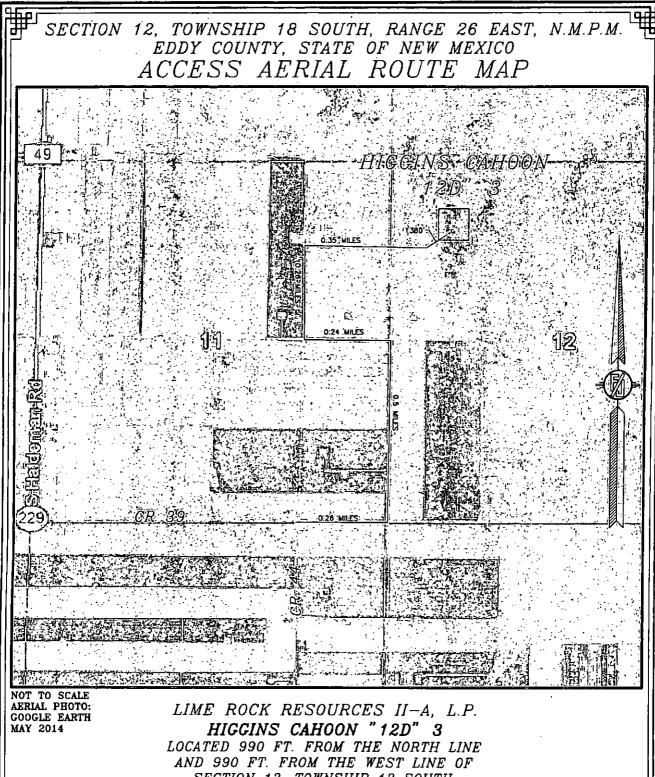
LIME ROCK RESOURCES II-A, L.P. HIGGINS CAHOON "12D" 3 LOCATED 990 FT. FROM THE NORTH LINE AND 990 FT. FROM THE WEST LINE OF SECTION 12, TOWNSHIP 18 SOUTH, RANGE 26 EAST, N.M.P.M. EDDY COUNTY, STATE OF NEW MEXICO

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

JANUARY 28, 2015

SURVEY NO. 3166

MADRON SURVEYING, INC. 501 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 HOBBS CCO

MAY 03 2016

RECEIVE

- 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

 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:

T.ype	Hole	Casing	Wit	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/Ci 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	CI 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
ρН	9.0-10.5	10.0-12.0	10.0-12.0
WL	NC 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.

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
- 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

	Emergency Services					
Name	Service	Location	Telephone Number	Alternate Number		
Boots & Coots International Well Control	Weil 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		
Aérocare	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		

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

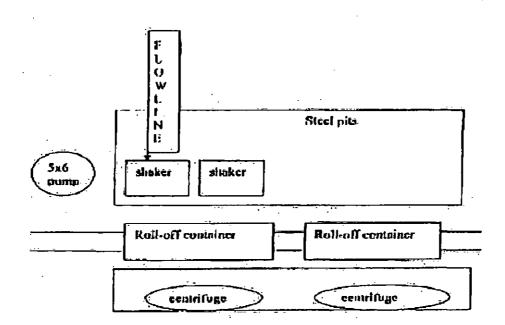
2-500 bbl frac tanks with fresh water 2-500 bbl frac tanks for brine water

Operations:

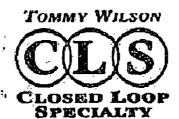
Closed Loop System equipment will be inspected daily by each tour and any necessary maintenance performed. leak in system will be repaired and/or contained immediately. OCD will be notified within 48 hours of any spill. Remediation process will start immediately.

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: \$15,746,1689

Call: 515,748.6367

Permit Conditions of Approval

API: 30-0/5-43/16

OCD Reviewer	Condition
80	Once the well is spud, to prevent ground water confamination 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.

PLEASE NOTE THE FOLLOWING

Until Emergency Order 42 has been addressed, only three string casing programs will be permitted. Surface casing should be set at 450 feet with intermediate set between 750 - 1300 feet, dependent on first occurrence of oil. Hole size must be two inches greater than the outer diameter of the coupling.