District 1 1625 N. French Dr., Hu Phone: (575) 393-6161 District II				l	EnergyN	State Aineral	of New Me s and Natur		NSERVATI	ON	Form C-101 Revised July 18, 2013	
811 S. First St., Artesia Phone: (575) 748-1283 District III		-9720			0	il Cons	ervation D	ivisionAPR			AMENDED Report	
1000 Rio Brazos Road Phone: (505) 334-6178					12	220 Sou	th St. Fran	cis Dr.	CEIVED			
District IV 1220 S. St. Francis Dr. Phone: (505) 476-3460						Santa	Fe, NM 87	505 RE	CEIVLD			
. ,				(T) T) (T)		TDD	כו הוידיוא הד	נהו כו קו קו הו או				
	LICATI	ION FO	¹ Operator Nam			L, Kr	L-ENTER	, DEEPE	N, PLUGBA	² OGRID Numbe		
		1111 Baol	Lime Rock Res					.*	30-0	All Kumber	-4/0/0	
201 ⁴ Prope	rtv Code					Property Na	ume				Well No.	
2761	Q		/		7 -	Waldro				 	#3	
UL - Lot	Section	Township	Range		′S	Feet F	e Location	n	Feet From	E/W Line	County	
N	13	18S	26E		-	81	0	S .	2310	W	Eddy	
	Section	Township T	Range		oposed	Botto	m Hole I	Jocation	Feet From	E/W Line	County	
UL - Lot	13	Township 1 <u>8</u> S	26E			99		S .	2 <u>3</u> 10	E/W Line W	Eddy ·	
			· · · · · · · · · · · · · · · · · · ·		9 P	Pool In	formatio	n				
Red Lake; Glorie	ta-Yeso						•				51120	
		<u> </u>		A	dditior		ell Inform			1	· · · · · · · · · · · · · · · · · · ·	
⁹ Work T N			¹⁰ Well Type O			¹¹ Cable/Ro	otarv	L	P ·		Ground Level Elevation 3297.6	
¹⁴ Multin N	nle		¹⁵ Proposed Depth 2' MD / 4650' T	VD		¹⁶ Formati Yeso			Contractor Drilling, Inc.		¹⁸ Spud Date After 6/1/2015	
Depth to Ground	Water:	18	Distar		nearest fres	sh water v	vell: ·	0.19 Mil	Dictorio from	n nearest surf		
X We will be	using a clo	sed-loop sy	stem in lieu of l 19			osina	and Cem	nt Duogu	- -			
Туре	Hole S	ize	Casing Size		asing Wei			g Depth	Sacks of C	ement	Estimated TOC	
Conductor	26"		20"	1 . ·	· 91.5	Bildit		40	40		Surface	
Surface	12-1/4	4"	8-5/8"	1 ·	24		4	-25	350		Surface	
Production	7-7/8	11	5-1/2"		17		4	662	. 910		Surface	
			Casir	g/Ce	ment P	rogra	m: Additi	ional Con	nments			
									·			
	Туре		-		Pressure	wouth	Prevention	Test Pressure		· ·	Manufacturer	
	XLT 11"		<u> </u>		 ·					<u> </u>	· · · · · ·	
Ĺ								2000			Vational Varco	
I hereby certify that of my knowledge a I further certify t	and belief.					st 1d/or		OIL CO	NSERVAT	ION DIV	ISION	
19.15.14.9 (B) NM			X				Approved By	32	holo			
Signature:	ever	4	-				- (K .			- ^		
Printed Name: S					· · ·		Title: US	T'AC	yeur	501		
Title: Productio	n Engineer						Approved Date	· · · · ·	Exp	iration Date:	1/25/20/6	
E-mail Address:	scox@lim	erockresou	rces.com				Erte	nsion,	Approve	<u>ol</u>		
Date: 4/29/2015	5	-	Phone: 713-29	92-9528			Conditions of	Approval Atta	iched		1	
									<u> </u>			

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District 1 1625 N. French Dr., Hobbs, NM \$8240 Phone: (375) 393-6161 Fax: (575) 393-0720 District II S11 S. First St., Artesia, NM \$8210 Phone: (575) 748-1283 Fax: (575) 748-9720 District III 1000 Rio Brazos Road, Aztec, NM \$7410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV 1220 S. St. Francis Dr., Santa Fe, NM \$7505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

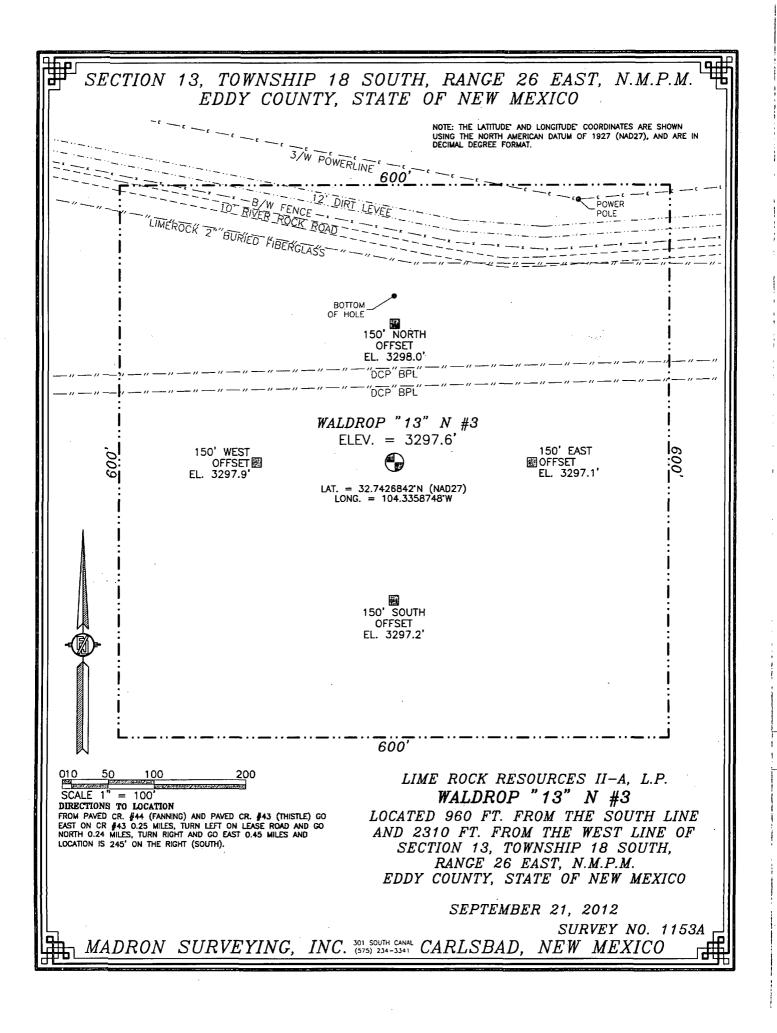
Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

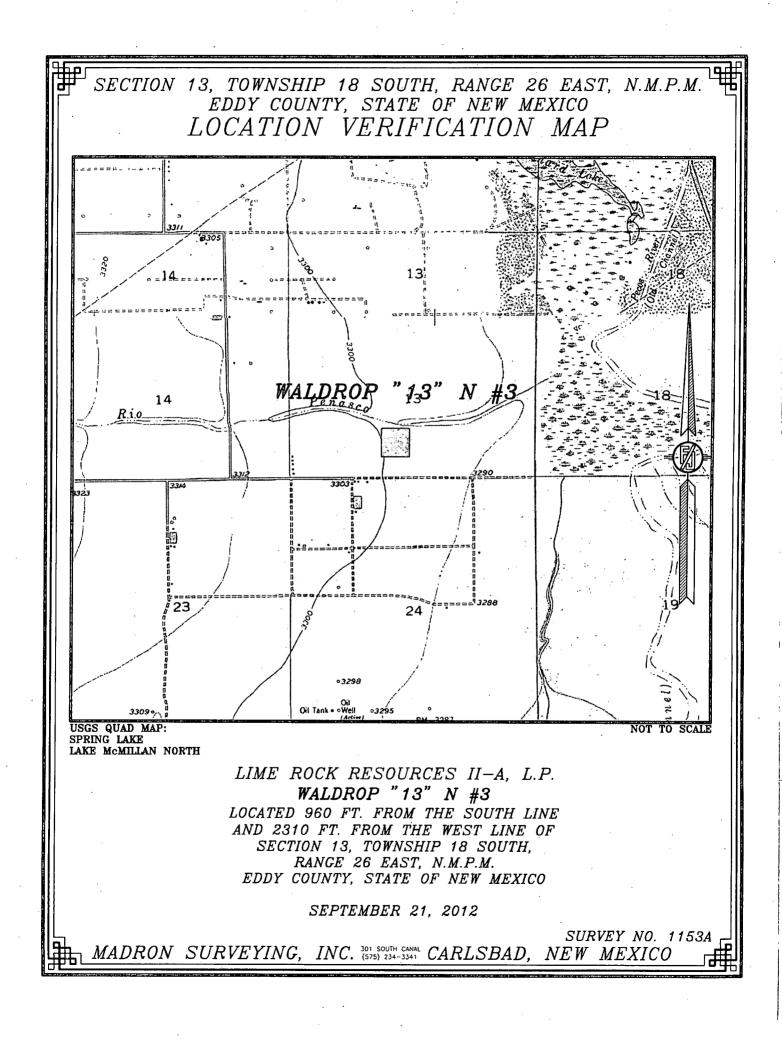
AMENDED REPORT

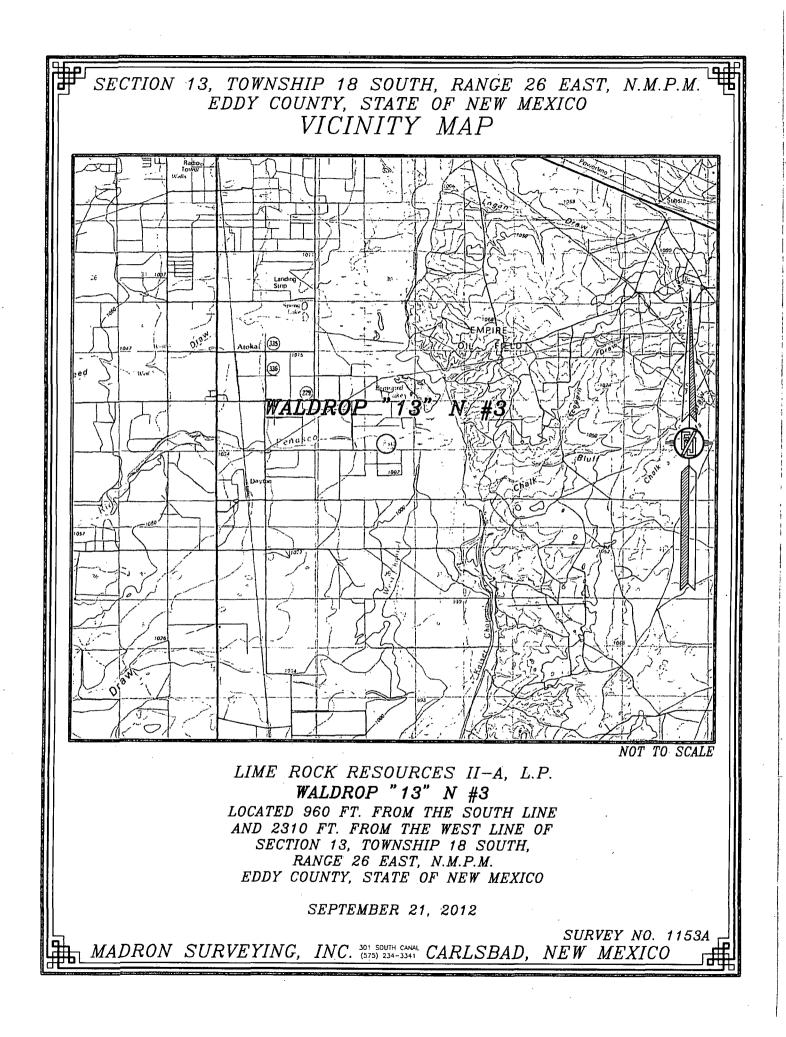
		• W				REAGE DEDIC					
۰. ۱	API Number	r		² Pool Cod	ode ³ Pool Name						
⁴ Property (Code				⁵ Property		⁶ Well Number				
			•		WALDROI	P "13" N				3	
'OGRIÐ	No.				⁸ Operator	Name				⁹ Elevation	
27755	8			LIME	ROCK RESO	URCES II A, L.I	Р.		3297.6		
				•	" Surface	Location					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/We	est line	County	
N	13	18 S	26 E		810	SOUTH	2310	WE	ST	EDDY	
			۳B	lottom H	lole Location	If Different Fre	om Surface				
UL or lot no.	Section	Township	ship Range Lot Idn Feet fr			North/South line	Feet from the	om the East/We		County	
N	13	1/8 S	26 E	5 E 990 SOUTH 2310 WES					ST	EDDY	
12 Dedicated Acre	es ¹³ Joint	or Infiil 🛛 💾 🤆	Consolidation	1 Code	· · · · · · · · · · · · · · · · · · ·		18 Order No.			·	
					· .						

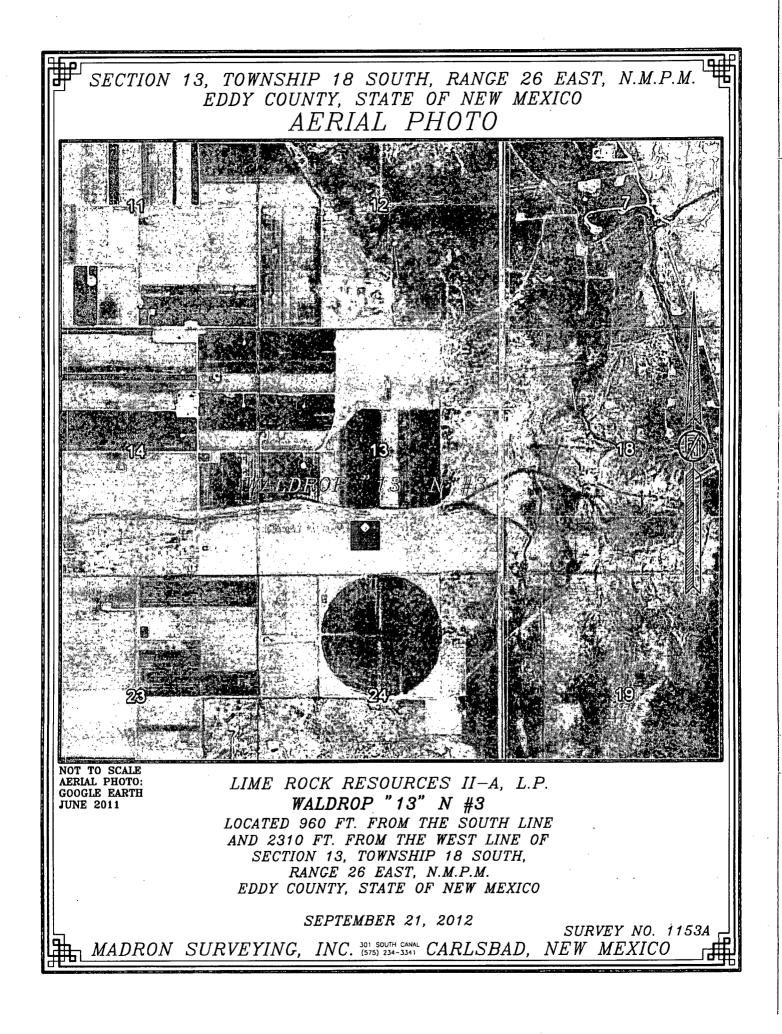
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	S89'27'42"W	2692.34 FT	589	27'42"W 2692.34 FT	-	" OPERATOR CERTIFICATION
	NW CORNER SEC. 13	СОМ	PUTED	NE CORNER SEC. 13	.	I hereby certify that the information contained herein is true and complete
	LAT. = 32.7550409'N			LAT. = 32.7551800'N LONG. = 104.3259527'W	·	to the best of my knowledge and belief, and that this organization either
	LONG. = 104.3434626'W		· · ·			owns a working interest or unleased mineral interest in the land including
l o					Ŀ	the proposed bottom hole location or has a right to drill this well at this
.00S					6	location pursuant to a contract with an owner of such a mineral or working
17			1		2:5	interest, or to a voluntary pooling agreement or a compulsory pooling
41			ļ		268	order heretofore entered by the division.
m			NOTE:		μ	12 00 (12 20-15
2650		_	LATITUDE AND LONGITUDE		50	Spewer Ces 4-29-15 Signature Date
0.5			USING THE NORTH		N00.40	
4 F			AMERICAN DATUM OF 1927 (NAD27), AND ARE IN		.00	>percer Car
, T			DECIMAL DEGREE FORMAT.		Z	Printed Name
			· · ·			Scorolinerativesources, com
			! 1			E-mail Address
	COMPUTED			COMPUTED		
			1			SURVEYOR CERTIFICATION
			, , , , , , , , , , , , , , , , , , ,			I hereby certify that the well location shown on this
			1			plat was plotted from field notes of actual surveys
00S			1	÷ .	ᄂ	
1.0	,				56	made by me or under my supervision, and that the
41		воттом	1 . I		2682.	same is true and correct to the best of my belief.
'n		OF HOLE	BOTTOM OF HOLE	1	56	SEPTEMBER 21, 2012 A
265			$LAT. = 32.7431788'N^{+}$ LONG. = 104.3358778			Date of Supely
0	2310'	N	WALDROP "1		0.20	
.5 4		1	URFACE ELEV. = 3297	.6'	0.40	Wind St Mannel
귀		•	OCATION LAT. = 32.74	26842'N (NAD27)	.00N	All A All and the
	· · · · · · · · · · · · · · · · · · ·	- 10 ⁻	LONG = 104	JJJ8/48₩	Λ	Signature and Seal of Professional Surveyor
	SW CORNER SEC. 13	1 89		SE CORNER SEC. 13	V	Certificate Number CILIMONT LARAMIN 60, PLS 12797
	LAT. = 32.7404736'N LONG. = 104.3433724'W	COMF	I PUTED	LAT. = 32.7404376'N LONG. = 104.3261612'W		LAS DEPENNO, 1153A
	\$89'51'28"E		S89'51'28"E			- *****









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

Waldrop 13 N #3 810' FSL 2310' FWL (N) 13-18S-26E Eddy County, NM

- 1. The elevation of the unprepared ground is 3297.6 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 4650' 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 4662' MD./ 4650' TVD. inside a 30' X 30' square target inside of 40 acre spacing regulatory quarter-quarter setback distances. The KOP for directional drilling will be at 500'. See directional plan for detail.
- 5. Estimated tops of geologic markers:

	MD	TVD
Quaternary – Alluvium	Surface	Surface
Yates	NA	NA
7 Rivers	NA	NA
Queen	391	391
Grayburg	830	830
Premier	NA	NA
San Andres	1097	1101
Glorieta	2592	2604
Yeso	2739	2751
Tubb	4192	4204
TD	4662	4650

7. Proposed Casing and Cement program is as follows:

 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	391	391 ·
Grayburg	830	830
Premier	NA	NA
San Andres	1097	1101
Glorieta	2592	2604
Yeso	2739	2751
Tubb	4192	4204
TD	4662	4650

Туре	Hole-	Casing	Wt	Grade	Thread	Depth	•Sx	Density	Yield	Components
Conductor	26"	20"	91.5	В	Welded	40	40			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	4662	200	12.8	1.903	(35:65) Poz/CI C Cmt + 5% NaCI + 0.25 lbs/sk Cello Flake + 5 lbs/sk LCM-1 +0.2% R-3 + 6% Gel
-							710	14.8	1.33	CI H w/ 0.6% R-3, 0.125% Ceilo Flake, 2% Gel

8. Proposed Mud Program is as follows

Depth	0-350	350-4512	4512-4662
Mud Type	Fresh Water Mud	Brine	Brine, Salt Gel, & Starch
Properties		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
мw	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
МС	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-DUL-CDL-CNL Quad Combo from 4662 to su

Electric Logging Program: SGR-DLL-CDL-CNL Quad Combo from 4662 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 2051.28 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.

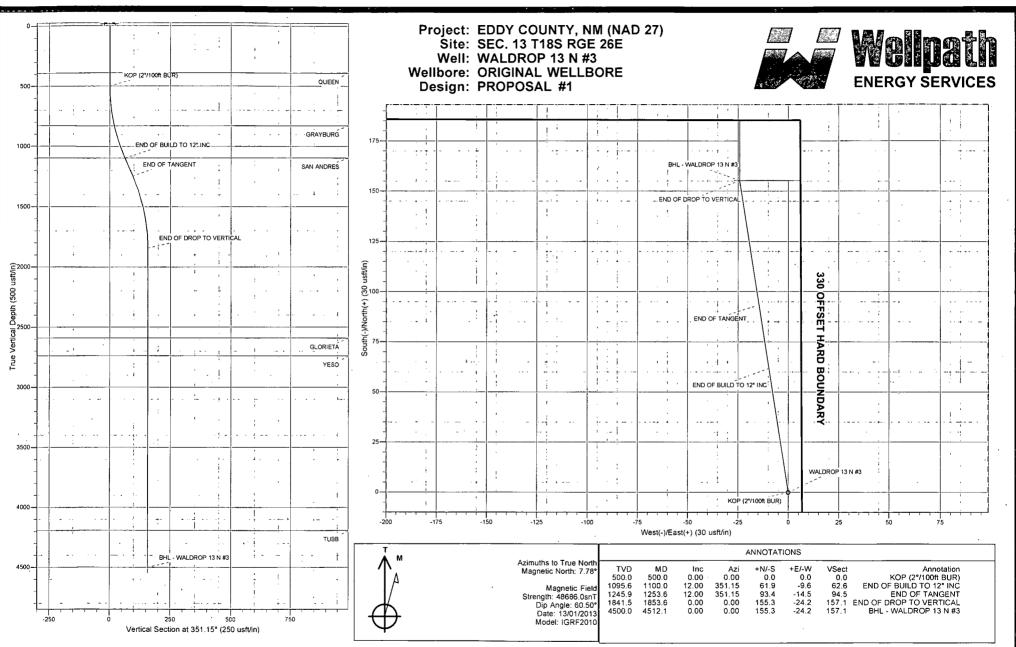
LIME ROCK RESOURCES

EDDY COUNTY, NM (NAD 27) SEC. 13 T18S RGE 26E WALDROP 13 N #3

ORIGINAL WELLBORE 13 January, 2013

Plan: PROPOSAL #1





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Planning Report



From: Lat/Long Easting: 499,218.58 usft Longitude: 104° / Position Uncertainty: 0.0 usft Stot Radius: 13-3/16° Grid Convergence: 104° / Well [WaLDROP 13 N #3]	SERVICE
Project EDDY COUNTY, NM (NAD 27) Map System: US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS) System Datum: Mean Sea Level Site SEC. 13 T185 RGE 26E Using geodetic scale factor Site SEC. 13 T185 RGE 26E Northing: 633.899.46 usft Latitude: 32° 4 From: Lat/Long Easting: 499.218.58 usft Longitude: 104° 2 Position Uncertainty: 0.0 usft Stot Radius: 13-3/16" Grid Convergence: Well WALDROP 13 N #3 Using geodetic scale factor 32° 4 Well WALDROP 13 N #3 Constrainty: 0.0 usft Basting: 499.218.58 usft Longitude: 104° 2 Position Uncertainty 0.0 usft Basting: 499.218.58 usft Longitude: 104° 2 Wellbore ORIGINAL WELLBORE Dip Angle Fleid Strength 104° 2 Wellbore ORIGINAL WELLBORE Dip Angle Fleid Strength 48.686 Design PROPOSAL #1 Audit Notes: O 0.0 0.0 0.0 351.15	
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Gee Datum: Map Zone: NAD 1927 (NADCON CONUS) New Mexico East 3001 Using geodetic scale factor Site SEC. 13 T18S RGE 26E	
Site Position: Lat/Long Northing: 633,899,46 usft Latitude: 32*4 From: Lat/Long Easting: 499,218,58 usft Longitude: 104*2 Position Uncertainty: 0.0 usft Slot Radius: 13-3/16* Grid Convergence: 104*2 Well [WALDROP 13 N #3	
From: Lat/Long Easting: 499.218.58 usft Longitude: 104° / Position Uncertainty: 0.0 usft Slot Radius: 13-3/16° Grid Convergence: 104° / Well [WALDROP 13 N #3]	
Well Position +N/-S 0.0 usft Northing: 633,899.46 usft Latitude: 32° 4 Position Uncertainty 0.0 usft Easting: 499,218.58 usft Longitude: 104° 2 Position Uncertainty 0.0 usft Wellhead Elevation: usft Ground Level: 104° 2 Wellbore ORIGINAL WELLBORE Model Name Sample Date Declination Dip Angle Field Strength Magnetics Model Name Sample Date Declination 0'' (°) (nT) IGRF2010 13/01/2013 7.78 60:50 48,686 Design PROPOSAL #1 Audit Notes: Version: Phase: PROTOTYPE Tie On Depth: 0.0 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (') 0.0 0.0 0.0 0.0 351.15 (') Ta MD Inc Azi Vertical SS +N/-S +E/-W Rate Rate Rate Rate Rate Rate	4' 33.663 N 20' 9.149 W 0.00 °
+E/-W 0.0 usft Easting: 499,218.58 usft Longitude: 104° : Position Uncertainty 0.0 usft Wellhead Elevation: usft Ground Level: 104° : Wellbore ORIGINAL WELLBORE	
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Magnetics Model Name Sample Date Declination Dip Angle Field Strength IGRF2010 13/01/2013 7.78 60:50 48,686 Design PROPOSAL #1 Audit Notes: Version: Phase: PROTOTYPE Tie On Depth: 0.0 Version: Depth From (TVD) +N/-S +E/-W Direction (°) Vertical Section: Depth From (TVD) +N/-S +E/-W Oirection (°) 0.0 0.0 0.0 0.0 351.15 Tie On Depth: (°) Plan Sections	3,297.6 usf
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4,512.1 0.00 0.00 4,500.0 1,187.6 155.3 -24.2 0.00 0.00 0.00 0.00 BHL - W	ALDROP 1

COMPASS 5000.1 Build 56

Planning Report



Cor Pro Site Wel Wel Des	l: Ibore: ign:	LIME EDDY SEC. WALI ORIG PROF	5000.1 Single ROCK RESC Y COUNTY, N 13 T18S RG DROP 13 N # BINAL WELLE POSAL #1	DURCES IM (NAD 27) E 26E 3		TVD Refere MD Referen North Refer	ice:	KB-I KB-I True	EST @ 3312.4 EST @ 3312.4	Well WALDROP 13 N #3 KB-EST @ 3312.4usft (Original Well Elev) KB-EST @ 3312.4usft (Original Well Elev) True Minimum Curvature			
Pla	nňed Surv MD (usft)	inc (°)	Azi (°)	TVD (usft)	SS (usft)	+N/-S (usft)	+E/-W *(usft)			Build Rate ('/100uşft)	Turn Rate (°/100usft)		
	0.0 100.0	0.00 0.00	0.00	0.0 100.0	3,312.40 3,212.40	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00	0.00 0.00		
	200.0	0.00	0.00	· 200.0	3,112.40	0.0	0.0	0.0	0.00	0.00	0.00		
	300.0	0.00	0.00	300.0	3,012.40	0.0	0.0	0.0	0.00	0.00	0.00		
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	391.0	0.00	0.00	391.0	2,921.40	0.0	0.0	0.0	0.00	0.00	0.00		
	400.0	0.00	0.00	400.0	2,912.40	0.0	0.0	0.0	0.00	0.00	0.00		
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	600.0	2.00	351.15	600.0	2,712.42	1.7	-0.3	1.7	2.00	2.00	0.00		
	700.0 800.0	4.00 6.00	351.15 351.15	699.8 799.5	2,612.56 2,512 <i>.</i> 95	6.9 15.5	-1.1 -2.4	7.0 15.7	2.00	2.00 2.00	0.00 0.00		
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		OF BUILD TO			2,011.00				2.00	2.00			
L	1,100.0	12.00	351.15	1,095.6	2,216.79	61.9	-9.6	62.6	2.00	2.00	0.00		
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	1,101.4	12.00	351.15	1,097.0	2,215.40	62.1	-9.7	62.9	0.00	0.00	0.00		
	1,200.0	12.00	351.15	1,193.4	2,118.96	82.4	-12.8	83.4	0.00	0.00	0.00		
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	1,900.0	0.00	0.00	1,887.9	1,424.51	155.3	-24.2	157.1	0.00	0.00	0.00		
	2,000.0	0.00	0.00	1,987.9	1,324.51	155.3	-24.2	157.1	0.00	0.00	0.00		
	2,100.0	0.00	0.00	2,087.9	1,224.51	155.3	-24.2	157.1	0.00	0.00	0.00		
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	2,900.0	0.00	0.00	2,887.9	424.51	155.3	-24.2	157.1	0.00	0.00	0.00		
	3,000.0	0.00	0.00	2,987.9	324.51	155.3	-24.2	157.1	0.00	0.00	0.00		
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	3,400.0	0.00	0.00	3,387.9 3,487.9	-75.49 -175.49	155.3	-24.2 -24.2	157.1 157.1	0.00 0.00	0.00 0.00	0.00 0.00		
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COMPASS 5000.1 Build 56

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Planning Report



atabase:		5000.1 Single				-ordinate Re	ference:	Well WA	LDROP '	13 N #3			
ompany:	LIME	ROCK RESO	URCES		TVD Refe	erence:	· ·	KB-EST @ 3312.4usft (Original Well Elev)					
roject:	EDD	Y CÓUNTY, ŃI	M (NAD 27)		MD Refe	Well Elev)							
ite:	1	13 T18S RGE			North Reference: True								
Vell:	WAL	DROP 13 N #3			Survey C	alculation M	ethod:	Minimun	n Curvatu	re			
Vellbore:	ORIC	SINAL WELLBO	DRE ·			4							
)esign:	PRO	POSAL #1			<u> </u>								
Planned Surv	ey 🗌												
· · ·							Verti	ral I	Dogleg	Build	Turn		
MD			TVD	SS	+N/-S		Sect	on	Rate	Rate	Rate		
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3,800.0	0.00	0.00	3,787.9	-475.49	155.3	-24.2	157	.1	0.00	0.00	0.00		
3,900.0	0.00	0.00	3,887.9	-575.49	155.3	-24.2	· 157		0.00	0.00	0.00		
4,000.0	0.00	0.00	3,987.9	-675.49	155.3	-24.2	157		0.00	0.00	0.00		
4,100.0	0.00	0.00	4,087.9	-775.49	155.3	-24.2	157		0.00	0.00	0.00		
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4,512.1	0.00	0.00	4,500.0	-1,187.60	155.3	-24.2	157	.1	0.00	0.00	0.00		
Formations				•		· · ·							
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	MD.	TVD		·• •					Dip	Direction	· · · · · ·		
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	830.7	830.0	GRAYBUF	RG .					0.00				
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Plan Annotati	ions												
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. ·	MD	TVD	+N/-S		E/-W	,	· • •		- 4,	· · ·			
· · ·	(usft)	(usft)	(ueft)		uoff)	Commont	• •			•			

•	MD (usft)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Comment
	500.0	500.0	0.0	0.0	KOP (2°/100ft BUR)
	1,100.0	1,095.6	61.9	-9.6	END OF BUILD TO 12° INC
	1,253.6	1,245.9	93.4	-14.5	END OF TANGENT
	1,853.6	1,841.5	155.3	-24.2	END OF DROP TO VERTICAL
	4,512.1	4,500.0	155.3	-24.2	BHL - WALDROP 13 N #3

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	City Agency or Office				
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	ncy Services		
Name	Service	Location	Telephone Number	Alternate Numbe
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
				• <u>•</u> ••••
			·	

Pressure Control Equipment

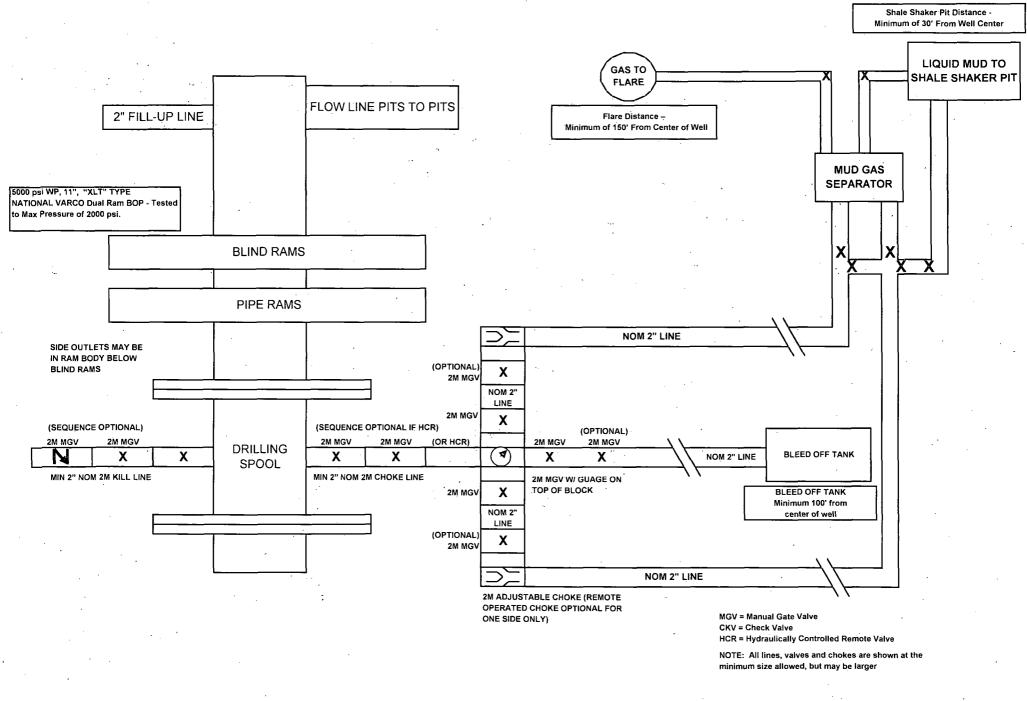
The blowout preventer equipment (BOP) will consist of a 5000 psi rated, "XLT" type, National VARCO double ram preventer that will be tested to a maximum pressure of 2000 psi. The unit will be hydraulically operated and the ram type preventer will be equipped with blind rams on top and drill pipe rams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

Waldrop 13 N #3

Unit N, S13-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.

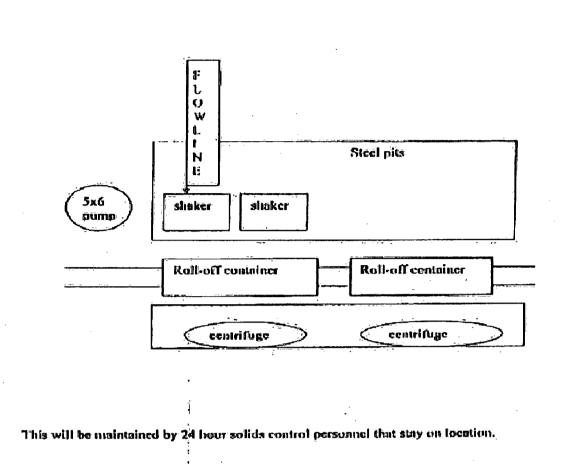
2- (250 bbl) tanks to hold fluid2-CRI bins with track system2-500 bbl frac tanks with fresh water2-500 bbl frac tanks for brine water

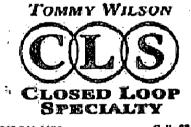
Operations:

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.





Office: \$15,746,1689

Celli 575.748.6367