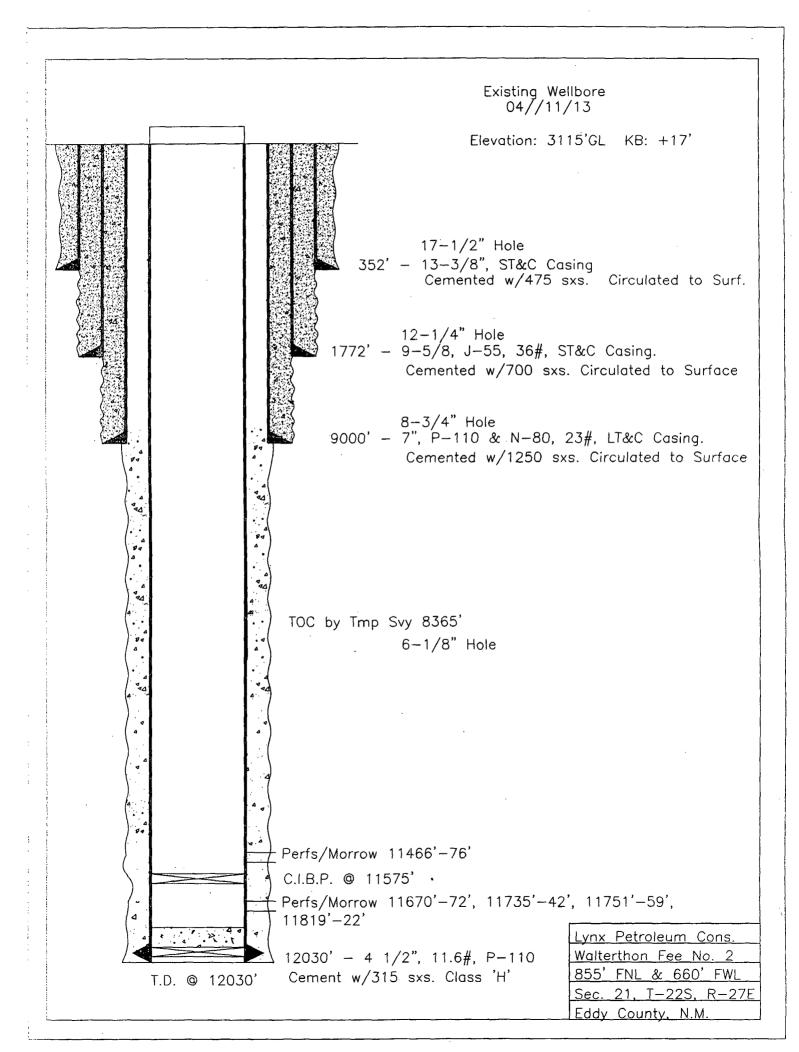
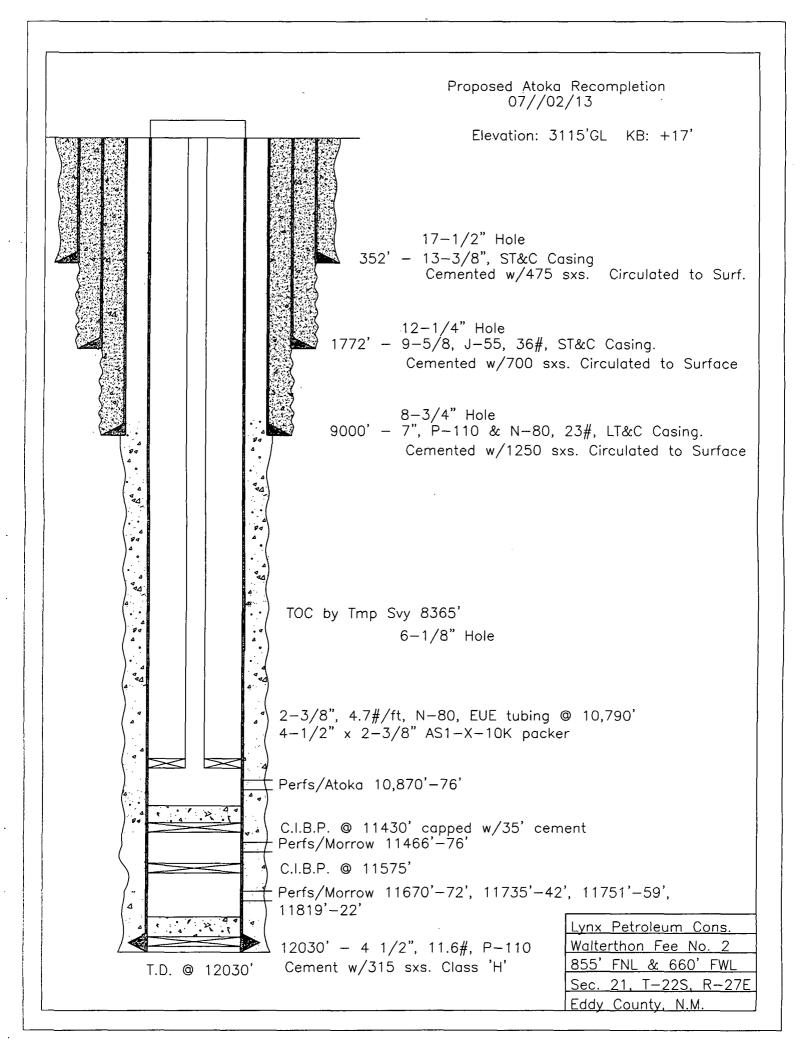
District_1 1625 N, French Dr.,	Hobbs NM 1	88240	State of New Mexico						Form C-101		
Phone: (575) 393-6 District II			Energy Minerals and Natural Resou					ces		Revised December 16, 2011	
SHIS Direct St. Artesia NM 88210						servation Di	ivision		Permit		
1000 Rin Brazos Road, Aztec, NM 87/00 1220 S						uth St. Francis Dr.					
Phone: (505) 334-6178 Fax: (505) 334-5170 JUL US ZUIS						nta Fe, NM 87505					
1220 S. St. Francis Phone: (505) 476-3-	Dr., Santa Fe, 460 Fax: (505	NM 97505) 476-84 PC M	OCD ART	ESIA		· · ·					
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AFF		Operator Name a			E-ENTER, DEEPEN, PLUGB			² OGRID Number			
	Lynx	e Petroleum Co	onsultants	, Inc.				13645			
			P.O. Box Hobbs, NM	1708 88240					' API Number		
									30-015-323	74	
* Property Code Property						Name			[°] Well No		
3	12173			1	WALTERTH				002		
						e Locatio			r	·	
UL - Lot	Section	Township	Range	Lot Id:	n Feet fi	rom N/	/S Line	Feet From	E/W Line	County	
D	21	228	27E		85:		ORTH	660	WEST	EDDY	
					⁸ Pool II	nformation				91.491	
CARLSBAI	A-SOLITU	α	TIC:	ATAL	ALLAR				100 //		
CARESDAL		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>		Ad	Iditional W	Vell Inform	nation	····· • •		15000	
"Work Type			¹⁰ Well Type ¹¹ Cable/Re GAS ROTARY		tary ¹² Lease		lease Type FEE	¹³ Gr	ound Level Elevation 3115' GL		
PLUGBACK ¹⁴ Multiple			¹⁵ Proposed Depth ¹⁶ Forma			· · · · · · · · · · · · · · · · · · ·			¹⁸ Spud Date		
11395' PBTD					Atoka e from nearest fresh water well		·	11/4/2002 Distance to nearest surface water			
Jeptn to Grour	a water								to nearest surface		
				Propos	sed Casing	and Cem	ent Prog	am	····		
Туре	Hole Size		Casing Size	Casing Weight/ft		Setting Depth		Sacks of Cement		Estimated TOC	
	_	1/2	13 3/8	48#		352'		475		<u> </u>	
	<u> </u>		<u>9 5/8</u> 7		<u>36#</u>		<u>1772'</u> 9000'		sx	Circ Surface	
	6 1/8		4 1/2	11.6#		12030		315 sx		8365' Temp Survey	
			<u> </u>			Additional Comments					
· · · · · · · · · · · · · · · · · · ·				ig/Cem	ent Progra	m: Addit	ional Cor	nments	-		
	·						·				
			I	Propose	ed Blowout	Preventio	on Progra	am			
Type Working Pressure					essure	Test Pressure			Manufacturer		
DOUBLE RAM HYDRAULIC 5000 I hereby certify that the information given above is true and complete to the best						7500			SCHAFFER		
of my knowledge and belief. I further certify that the drilling pit will be constructed according to						OIL CONSERVATION DIVISION					
			will be construc ermit 🗔, or an (
OCD-approve						Approved By:	100	/ /			
Signature:		Olla	mp	Colore		[]	CSI	apard			
Printed name: DEBBIE MCKELVEY						Title: Correlation					
					-	(TOOLD	(15)			
Fitle:	AGEN	Т				Approved Date: 7/5/26B Expiration Date: 7/5/2015					
E-mail Address	s: debm	ckelvey@	earthlink.net			11 71					
Date 7/2/13	<u>_</u>		Phone: 575-392-3575			Conditions of Approval Attached					

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Walterthon Fee No. 2 **Atoka Recompletion Procedure**

API No.: 30-015-32374

Location: 855' FNL & 660' FEL Section 21, T-22S, R-27E

Eddy County, New Mexico

Elevation: 3115' GL **KB:** +17' **TD:** 12,030'

PBTD: 11,575'

Casing & Cement:

13-3/8", 48#/ft., ST&C @ 352' cmt. w/475 sx. circulated 9-5/8", 36#/ft., J-55, ST&C @ 1772' cmt. w/700 sx. circulated 7", 23#/ft., P-110&N-80, LT&C @ 9000'cmt. in two stages w/1250 sx. circulated both stages

4-1/2", 11.6#/ft., P-110, LT&C @ 12,030' cmt. w/315 sx. TOC @ 8,365' by temp survey

Tubing:

2-3/8", 4.7#/ft., L-80, EUE w/PLS??? packer @ +/-11,350' KB

Perforations:

Morrow: 11670'-72', 11735'-42', 11751'-59', 11819'-22'

CIBP: 11,575'

Perforations:

Morrow: 11,466'-476'

Proposed Perfs:

Atoka: 10870'-76'

Procedure:

- 1. MIRU pulling unit. Kill well as required with 2% KCL TFW. ND wellhead. NU BOP.
- 2. Release 4-1/2" packer. Tally tubing OOH.
- 3. PU 3-3/4" bit & 4-1/2" casing scraper. TIH to 11,450'. TOOH.
- 4. RU E&P wireline. Run and set CIBP @ 11,430'. Spot 35' cement on top of CIBP to abandon Morrow zone.
- 5. TIH w/tubing OE to 10,890'. Circulate and load hole w/2% KCL TFW. Test casing to 1500 psig for 15 minutes. Spot 2 bbls. 15% HCL-NE-FE acid. TOOH.
- 6. NU full opening 4-1/2", 5000 psig WP valve on top of BOP. RU E&P wireline w/FULL LUBRICATOR. Perforate Atoka section w/4 JSPF per the above schedule (28 holes total).
- 7. Lubricate in and set 4-1/2" AS1-X-10K production packer at +/-10,700' set up as follows:

Pump out plug Profile Nipple 6' Tailpipe Packer Profile Nipple **On/Off** Tool

Walterthon Fee No. 2 Atoka Recompletion Procedure

- 8. ND 4-1/2" valve and test 2-3/8" tubing in hole to 8500 psig.
- 9. Circulate hole w/clean, corrosion inhibited 2% KCL TFW.
- 10. ND BOP. Land tubing and NU tree. Test annulus to 1000 psig for 15 minutes.
- 11. RU kill truck on tubing. Pump out plug and displace spot acid.
- 12. Flow/Swab well in and return to production. NOTE: Depending on rates and pressures recommendation may be made to reacidize with larger acid volume and/or ballsealers.

Prepared By: Larry R. Scott

Date: July 1st, 2013

LYNX PETROLEUM CONSULTANTS, INC. WOLFCAMP RECOMPLETION H₂S PRECAUTIONS <u>Walterthon Fee No. 2</u>

I. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing operations on this well:

- 1. The hazards and characteristics of hydrogen sulfide (H₂S).
- 2. The proper use and maintenance of personal protective equipment and life support systems.
- 3. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- 4. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- 1. The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- 2. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.

II. H₂S SAFETY EQUIPMENT AND SYSTEMS

- 1. Well Control Equipment :
 - A. A 5000 psig WP Blowout preventer with blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit will be furnished.
- 2. H₂S detection and monitoring equipment :
 - A. 2 portable H₂S monitors positioned on location for best coverage and response. These units have warning lights and audible sirens when H₂S levels of 20 ppm are reached.

- 3. Visual warning systems :
 - A. A wind direction indicator will be in place on the pulling unit doghouse.
- 4. Mud program :
 - A. The working fluid for this recompletion will be 2% KCL treated fresh water.
- 5. Metallurgy :
 - A. Tubing, wellhead, and blowout preventers shall be suitable for H₂S service.
 - B. All elastomers used for packing and seals shall be H₂S trim.
- 6. Communication :
 - A. Communications in company vehicles are provided by cellular telephones. Cell1: 575-390-9063 Cell2: 575-390-9065
 - B. Land line (telephone) communications at Hobbs office. Phone: 575-392-6950
 - C: Emergency Numbers 911 Carlsbad Sheriff's Dept.: 575-887-1888 Carlsbad Hospital: 575-887-4100 Carlsbad Fire Dept.: 575-885-3125 Maljamar Fire Dept.: 575-676-4100 Hobbs Hospital: 575-492-5000 New Mexico State Police: 575-392-5588
- 8. Well testing :
 - A. No drill stem tests are being contemplated during this operation.