

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
Revised December 16, 2011

Oil Conservation Division **NM OIL CONSERVATION**
ARTESIA DISTRICT
1220 South St. Francis Dr.
Santa Fe, NM 87505

Permit

NOV 04 2014

RECEIVED

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

¹ Operator Name and Address Lynx Petroleum Consultants, Inc. P.O. Box 1708 Hobbs, NM 88240		² OGRID Number 13645
		³ API Number 30-015-32374
⁴ Property Code 312173	⁵ Property Name WALTERTHON FEE	⁶ Well No 002

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
D	21	22S	27E		855	NORTH	660	WEST	EDDY

⁸ Pool Information

CARLSBAD;STRAWN,SOUTH(GAS)	74120
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Additional Well Information

⁹ Work Type PLUGBACK	¹⁰ Well Type GAS	¹¹ Cable/Rotary ROTARY	¹² Lease Type FEE	¹³ Ground Level Elevation 3115' GL
¹⁴ Multiple	¹⁵ Proposed Depth 10788' PBTB	¹⁶ Formation Strawn	¹⁷ Contractor	¹⁸ Spud Date 11/4/2002
Depth to Ground water 85'	Distance from nearest fresh water well 2310' FNL & 2310' FEL, Sec. 21, T22S, R27E		Distance to nearest surface water Pecos River 1.7 miles to Northeast	

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
	17 1/2	13 3/8	48#	352'	475 sx	Circ Surface
	12 1/4	9 5/8	36#	1772'	700 sx	Circ Surface
	8 3/4	7	23#	9000'	1250 sx	Circ Surface
	6 1/8	4 1/2	11.6#	12030	315 sx	8365' Temp Survey

Casing/Cement Program: Additional Comments

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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
DOUBLE RAM HYDRAULIC	5000	7500	SCHAFFER

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input checked="" type="checkbox"/> .		OIL CONSERVATION DIVISION	
Signature: <i>Debbie McKelvey</i>		Approved By: <i>T.C. Shepard</i>	
Printed name: DEBBIE MCKELVEY		Title: "Geologist"	
Title: AGENT		Approved Date: 11-4-2014	Expiration Date: 11-4-2016
E-mail Address: debmckelvey@earthlink.net			
Date 10/20/14	Phone: 575-392-3575	Conditions of Approval Attached	

PROPOSED STRAWN RECOMPLETION

1. MIRU pulling unit. Kill well as required with 2% KCL TFW. ND wellhead. NU BOP.
2. Release 4-1/2" packer. TOOH.
3. RU E&P wireline. Run and set CIBP @ 10,820'. Spot 35' cement on top of CIBP to abandon Atoka zone.
4. TIH w/tubing OE to 10,420'. Spot 2 bbls. 15% HCL-NE-FE acid. TOOH.
5. NU full opening 4-1/2", 5000 psig WP valve on top of BOP. RU E&P wireline w/**FULL**

LUBRICATOR. Perforate Strawn section w/4 JSPF per the above schedule (80 holes total).

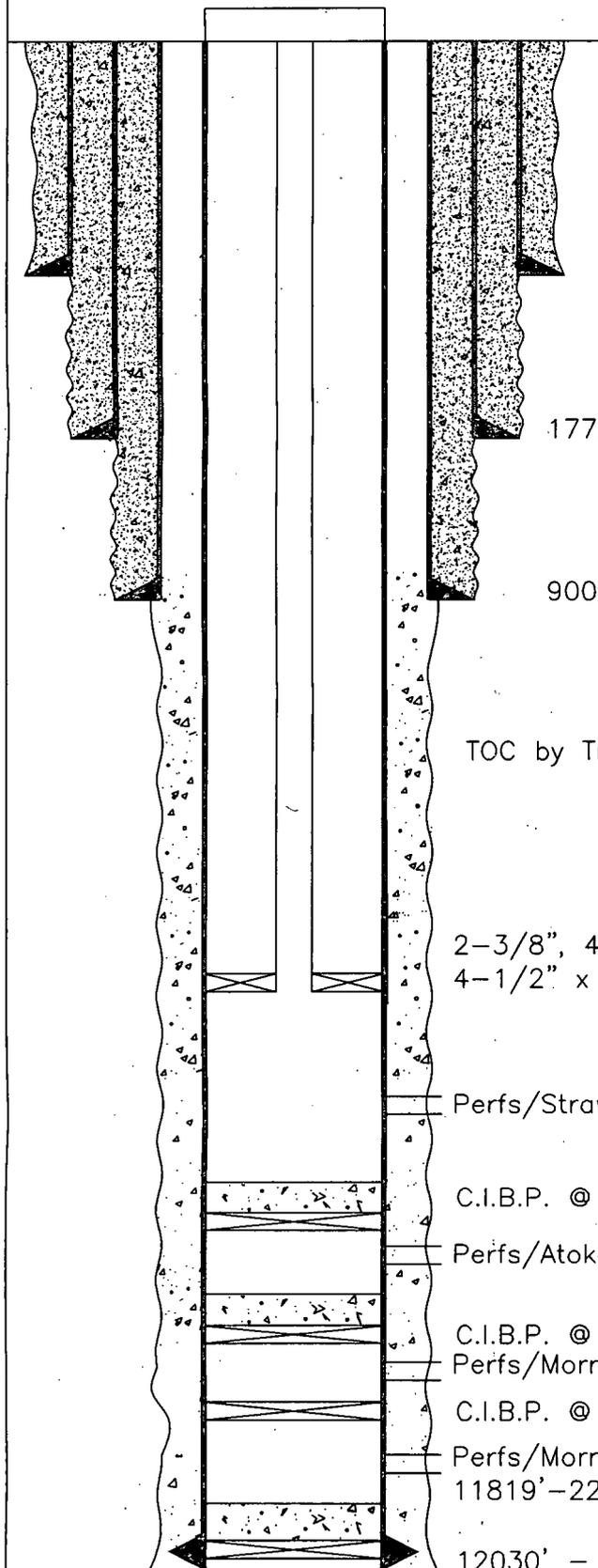
6. Lubricate in and set 4-1/2" AS1-X-10K production packer at +/-10,200' set up as follows:
 - Pump out plug
 - Profile Nipple
 - 6' Tailpipe
 - Packer
 - Profile Nipple
 - On/Off Tool
7. ND 4-1/2" valve.
8. Circulate hole w/clean, corrosion inhibited 2% KCL TFW.
9. ND BOP. Land tubing and NU tree. Test annulus to 1000 psig for 15 minutes.
10. RU kill truck on tubing. Pump out plug and displace spot acid.
11. 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.

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2. Release 4-1/2" packer. TOOH.
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4. TIH w/tubing OE to 10,420'. Spot 2 bbls. 15% HCL-NE-FE acid. TOOH.
5. NU full opening 4-1/2", 5000 psig WP valve on top of BOP. RU E&P wireline w/**FULL LUBRICATOR**. Perforate Strawn section w/4 JSPF per the above schedule (80 holes total).
6. Lubricate in and set 4-1/2" ASI-X-10K production packer at +/-10,200' set up as follows:
 - Pump out plug
 - Profile Nipple
 - 6' Tailpipe
 - Packer
 - Profile Nipple
 - On/Off Tool
7. ND 4-1/2" valve.
8. Circulate hole w/clean, corrosion inhibited 2% KCL TFW.
9. ND BOP. Land tubing and NU tree. Test annulus to 1000 psig for 15 minutes.
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Proposed Strawn Recompletion
10/15/14

Elevation: 3115'GL KB: +17'



17-1/2" Hole
352' - 13-3/8", ST&C Casing
Cemented w/475 sxs. Circulated to Surf.

12-1/4" Hole
1772' - 9-5/8", J-55, 36#, ST&C Casing.
Cemented w/700 sxs. Circulated to Surface

8-3/4" Hole
9000' - 7", P-110 & N-80, 23#, LT&C Casing.
Cemented w/1250 sxs. Circulated to Surface

TOC by Tmp Svy 8365'
6-1/8" Hole

2-3/8", 4.7#/ft, N-80, EUE tubing @ 10,200'
4-1/2" x 2-3/8" AS1-X-10K packer

Perfs/Strawn 10,270'-75', 10,349'-58', 10,414'-17'

C.I.B.P. @ 10,820' capped w/35' cement.

Perfs/Atoka 10,870'-76'

C.I.B.P. @ 11430' capped w/35' cement
Perfs/Morrow 11466'-76'

C.I.B.P. @ 11575'

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

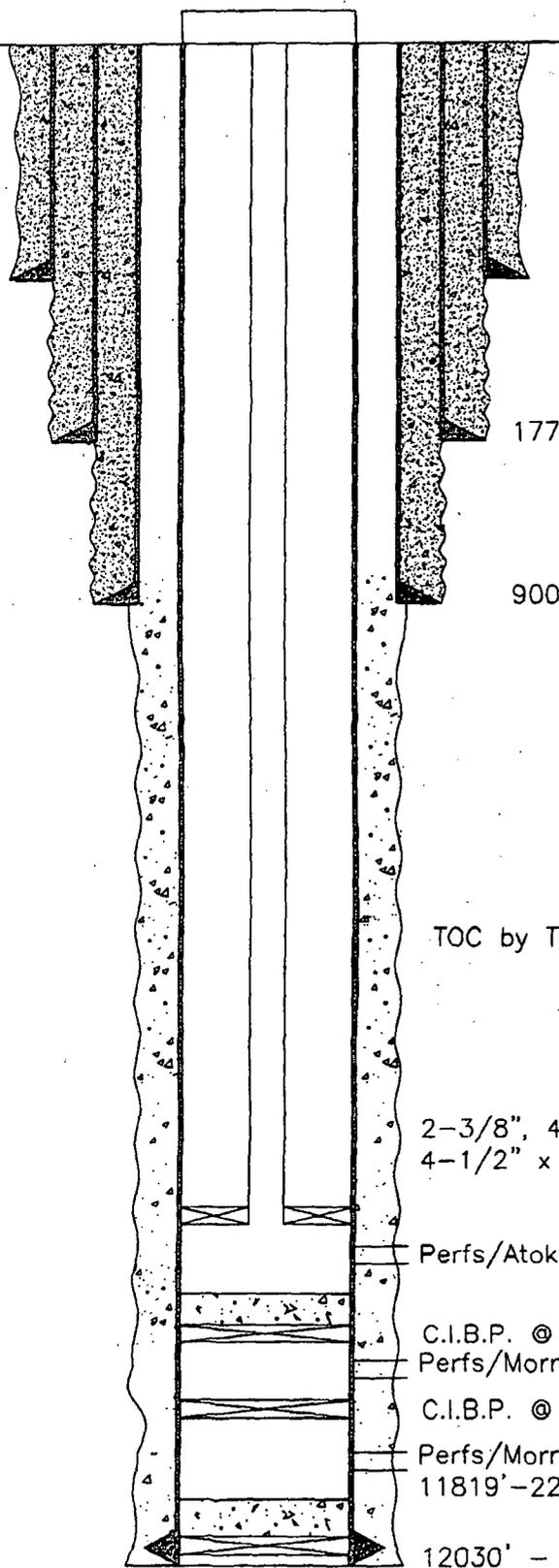
T.D. @ 12030'

12030' - 4 1/2", 11.6#, P-110
Cement w/315 sxs. Class 'H'

Lynx Petroleum Cons.
Walterthon Fee No. 2
855' FNL & 660' FWL
Sec. 21, T-22S, R-27E
Eddy County, N.M.

Atoka Recompletion
7/14

Elevation: 3115'GL KB: +17'



17-1/2" Hole
352' - 13-3/8", ST&C Casing
Cemented w/475 sxs. Circulated to Surf.

12-1/4" Hole
1772' - 9-5/8", J-55, 36#, ST&C Casing.
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11819'-22'

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