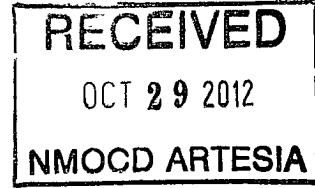


District I
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax (575) 393-0720
District II
811 S First St., Artesia, NM 88210
Phone (575) 748-1283 Fax (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S St Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised December 16, 2011



Permit

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 30-015-20200
⁴ Property Code 36099	⁵ Property Name EDDY 'BD' STATE	⁶ Well No 001

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	32	20S	30E		660	SOUTH	990	EAST	EDDY

⁸ Pool Information

WC-015G-07 S203032G; WC

Additional Well Information

⁹ Work Type Plugback	¹⁰ Well Type Oil	¹¹ Cable/Rotary	¹² Lease Type State	¹³ Ground Level Elevation 3358' GL
¹⁴ Multiple	¹⁵ Proposed Depth 10960' PBTD	¹⁶ Formation Wolfcamp	¹⁷ Contractor	¹⁸ Spud Date 1/21/69
Depth to Ground water: Avg: 189, Min: 150, Max: 225		Distance from nearest fresh water well Approximately 1320'		Distance to nearest surface water Approximately 15 miles

¹⁹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	20	16	65	435	600	Circ Surf
Int	15	11 3/4	42	1614	1050	Circ Surf
Int	11	8 5/8	32	4209	1075	Circ Surf
Prod	7 7/8	5 1/2	17 & 20	11074	300	TOC 8760

Casing/Cement Program: Additional Comments

NO CHANGE

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	Shaffer

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 , a general permit , or an (attached) alternative OCD-approved plan
Signature: *Debbie McKelvey*
Printed name: Debbie McKelvey
Title: Agent
E-mail Address: debmckelvey@earthlink.net
Date: 10/24/12 Phone: 575-392-3575

OIL CONSERVATION DIVISION	
Approved By: <i>T. C. Shepard</i>	
Title: <i>Geologist</i>	
Approved Date: <i>10/29/2012</i>	Expiration Date: <i>10/29/2014</i>
Conditions of Approval Attached	

**Eddy 'BD' State No. 1
Wolfcamp Recompletion Procedure**

API No.: 30-015-20200

Location: 660' FSL & 990' FEL Section 32, T-20S, R-30E
Eddy County, New Mexico

Elevation: 3358' GL KB: +15'

TD: 11,171' PBTD: 11,035'

Casing & Cement:

16", 65#/ft., H-40, ST&C @ 435' cmt. w/600 sx. circulated

11-3/4", 42#/ft., H-40, ST&C @ 1600' cmt. w/1614 sx. circulated

8-5/8", 32#/ft., K-55, ST&C @ 4209' cmt. in two stages w/1075 sx. circulated

DV tool in 8-5/8" @ 2076'

5-1/2", 17#/ft. & 20#/ft., N-80, LT&C @ 11,074' cmt. w/300 sx. TOC @ 8,760' by temp svy

Tubing:

334 joints 2-7/8", 6.5#/ft., L-80, EUE @ 11,000' KB

Existing Perforations:

Strawn: Open hole 11,074'-11,171'

Strawn: 10,980'-98', 11,006-11,011' squeezed w/64 sx. class H cement under retainer 11/17/2000

Strawn: 10,980-98' w/4 JSPF reperfed w/4 JSPF (72 holes) 1/16/2001

CIBP: 11,060' w/2 sx. cement on top

Proposed Perfs:

Wolfcamp 1st stage: 10230'-35', 10242'-54', 10324'-26', 10380'-86'

Wolfcamp 2nd stage: 10132'-62'

Procedure:

1. MIRU pulling unit. Pull, LD, and warehouse rods and pump.
2. Kill well if necessary using 2% KCL TFW. ND wellhead. NU BOP.
3. Release TAC and tally tubing OOH. If well not killed in step 2, load hole w/100 bbls. 2% KCL TFW.
4. RU Schlumberger wireline. RU and run GR/CNL/CCL from 10,980' back up to 7,400'. Run and set CIBP @10,960'. RD wireline truck.
5. TIH w/tubing OE to 10,400'. Pump 150 bbls. 2% KCL TFW down tubing followed by 10 bbls. 15% HCL-NE-FE acid followed by 57 bbls. 2% KCL-TFW. TOO H w/tubing.
6. NU 5-1/2" full opening casing valve w/rated WP of 5000 psig or greater.
7. RU Schlumberger w/full lubricator. Perforate Wolfcamp 1st stage perfs w/4 JSPF (116 holes total).
8. TIH w/wireline set packer assembly consisting of a pump out plug, 10' sub, packer, and On/Off tool. Set packer at +/- 9800'.
9. ND casing valve.
10. Test tubing in hole to 5000 psig. Space out tubing and latch packer.
11. ND BOP. NU 5000 psig tree.
12. Breakdown Wolfcamp perforations and displace spot acid at 2 BPM. Note and record ISIP and 5, 10, and 15 minute shut-in pressures.
13. RU swab and evaluate Wolfcamp 1st stage perfs for commercial production/possible additional stimulation.
14. Additional recommendations TBD based on results of swab tests.

LYNX PETROLEUM CONSULTANTS, INC.
WOLFCAMP RECOMPLETION H₂S PRECAUTIONS
Eddy 'BD' STATE NO. 1

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.

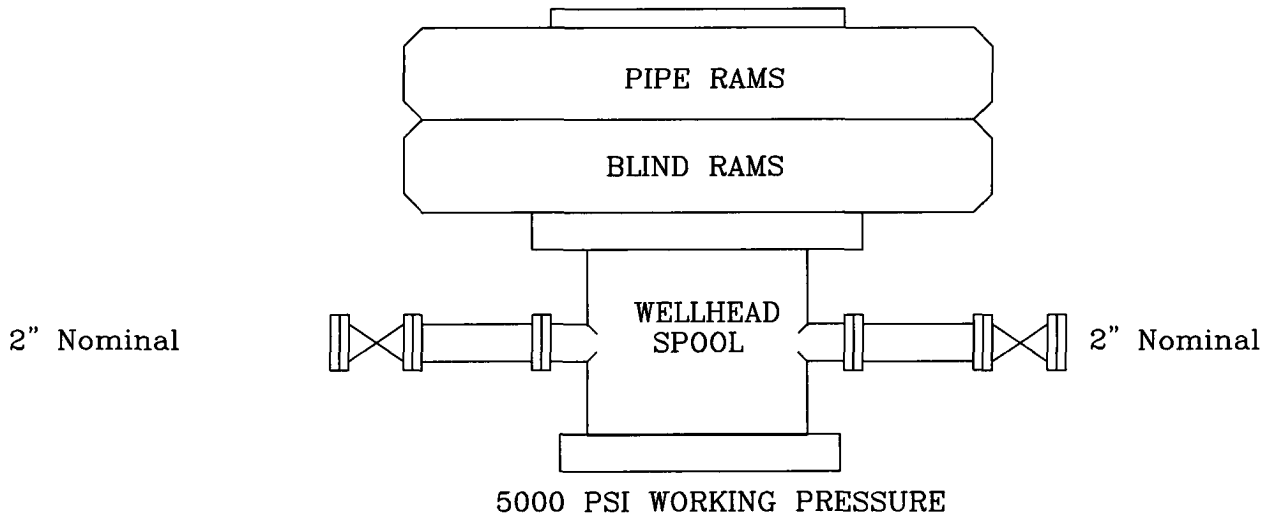
6. Communication :
 - A. Communications in company vehicles are provided by cellular telephones.
Cell1: 575-390-9063 Cell2: 575-390-9065

 - 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.

PRODUCTION WORKOVER



Location: SE/4 SE/4
Sec. 32, T-20S, R-30E
Eddy County, NM

Eddy 'BD' State No. 1
RECOMPLETION BLOWOUT PREVENTER

4-1-10

Scale: None