

District I
1625 N French Dr , Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

HOBBS OCD

Form C-101
June 16, 2008

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

AUG 29 2011

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address LYNX PETROLEUM CONSULTANTS, INC. P.O. Box 1708 Hobbs, NM 88241		² OGRID Number 13645
³ Property Code 303790		⁴ API Number 30 - 025-26328
⁵ Property Name State 23 Com.		⁶ Well No 002
⁹ Proposed Pool 1 Antelope Ridge; Bone Spring, West		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no F	Section 23	Township 23S	Range 34E	Lot Idn	Feet from the 1980	North/South line North	Feet from the 1980	East/West line West	County Lea
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⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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Additional Well Information

¹¹ Work Type Code Plugback	¹² Well Type Code Gas	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3389'
¹⁶ Multiple N	¹⁷ Proposed Depth 9085	¹⁸ Formation Bone Spring	¹⁹ Contractor	²⁰ Spud Date 6/19/79

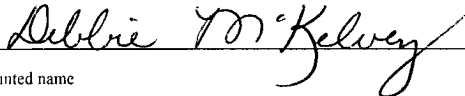
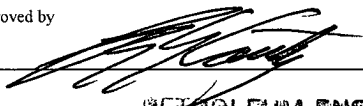
²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
36"	30"		40'	5 yds.	Circ to surf
26"	20"	94#	682'	925 sx HLC & 400 CI C	Circ to surf
17 1/2"	17 1/2"	72#	5090'	2775 sx HLC & 550 CI C	Circ to surf
12 1/4"	9 5/8"	53.5#	11900'	325 sx +320 sx +700 sx CI H	6952' Temp Surv
8 1/2"	7 5/8" LINER	39#	12680'	165 sx CI H	
6 1/2"	5" LINER	23#	13598'	275 sx CI H	

²² Describe the proposed program If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone Describe the blowout prevention program, if any Use additional sheets if necessary

SEE ATTACHMENT

Permit Expires 2 Years From Approved
Date Unless Drilling Underway
Plugback

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief Signature 		OIL CONSERVATION DIVISION	
Printed name Debbie McKelvey		Approved by 	
Title Agent		Title PETROLEUM ENGINEER	
E-mail Address		Expiration Date AUG 29 2011	
Date 8/25/2011		Approval Date AUG 29 2011	
Phone 575-392-3575		Conditions of Approval Attached <input type="checkbox"/>	

AUG 29 2011

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

HOBBS OCD

Form C-102
Revised October 15, 2009
Submit one copy to appropriate
District Office

AUG 29 2011

☐ AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-26328	² Pool Code 02209	³ Pool Name ANTELOPE RIDGE; BONE SPRINGS WEST
⁴ Property Code 303790	⁵ Property Name State 23 Com	⁶ Well Number 002
⁷ OGRID No. 013645	⁸ Operator Name Lynx Petroleum Consultants, Inc.	⁹ Elevation 3389' GL

¹⁰ Surface Location

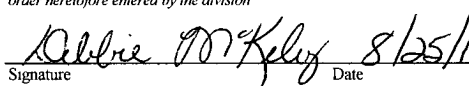
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	23	23S	34E		1980	North	1980	West	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	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.

¹⁶				¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division</i>  Signature _____ Date 8/25/11 Debbie McKelvey Printed Name _____
				¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief</i> Date of Survey _____ Signature and Seal of Professional Surveyor _____ Certificate Number _____

C101 Attachment

State 23 #2

30-025-26328

#22 CONTINUED

Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Per C103 dated 1/29/03 submitted by Merrion, cement retainer was set in 9 5/8" over junk @ 9105'; 700 sx of remedial cement was pumped. TOC @ 6952' (Temp Survey). PBTD @ 9085'.

Lynx Petroleum, Inc. proposes to complete in the Bone Spring as follows:

RU & run GRC CBL Log from PBTD to TOC. Perforate 8782, 8812, 8844, 8870, 1 ft. intervals – 6 spf. Frac w/150,000# 20/40 sand. Test for productivity. If productive, run tbg. pump and rods and return to production. If not productive, will submit Intent to P&A.

BOP:

10", 5000# with a set of blinds and pipe rams.

Wellbore Schematic

State Com 23 No. 2

Current Wellbore Configuration

Location: 1980' fnl & 1980' fwl (se nw)
Sec 23, T23S, R34E, NMPM
Lea Co, New Mexico

Updated: February 24, 2003

Elevation: 3389' GL
3414' RKB

Field: Antelope Ridge

Prepared by: Steven S. Dunn

Permian

Anhydrite - 990'

Delaware - 5122'

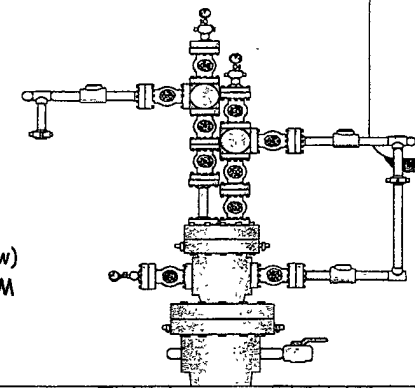
Bone Springs - 6558'

Wolfcamp - 11440'
Strawn - 11758'

Atoka - 12000'

Pennsylvanian

Morrow - 12865'



30" Conductor @ 60'

Bit Size - 26"

20" 94# H40 Surface Csg @ 682' KB w/ 1325 sx

Bit Size - 17-1/2"

DV Tool @ 1471' KB in 13-3/8" string w/ 1200 sx

13-3/8" 72# ST&C S80 @ 5090' KB w/ 1925 sx

Bit Size 12-1/4"

Top of cement @ 6952' KB (Temp Survey)

Remedial Cement 9-5/8" casing w/ 700 sx (Jan 22, 2003)
CICR set @ 9105' KB

Deep Tubing: Cut Off @ 9200' KB; Left jts 2-7/8" CS Hydril, XO,
RDH Pkr, 25 jts 2-7/8", 42' blast jt, 11 jts 2-7/8" PH6, XO, 13 jts 2-3/8" CS,
30' blast jt, 4 jts 2-3/8" CS, Seal Assembly in wellbore
Collapsed Casing @ 9222'
TOC est @ 9400'

Perf Hole in deep tubing @ 11100'

Obstruction in deep tubing @ 11148'

9-5/8"X3-1/2"X2-7/8" RDH Prod Packer @ 11,250' KB

Tubing plug, Sinker Bar in deep tubing @ 11600'

9-5/8" 53.5# LT&C S95 @ 11,900' KB w/ 645 sx

Upper Atoka Perfs - 12,033 - 12,052' (Gas Kick taken @ 12055')

Liner top @ 12,402' KB

7-5/8" 39# P110 SFJP Liner @ 12,680' KB w/165sx

Commingle Tubing Perfs - 12,770 - 76', 4spf (12/2/92)

Lower Atoka Perfs - 12,796 - 12,802'

Otis 5" WB Prod Packer @ 13,006' KB

Morrow Perfs - 13,232 - 13,298'

Junk in hole, 33' packer tail pipe

5" 23.2# P110 SFJP Liner @ 13,598' KB w/300sx

PBTD @ 13,483' KB
TD @ 13,600' KB

Shallow Tubing: Cut Off @ 9195' KB; Left Jts
1-1/2" IJ to 11250', XO, Seal Assembly, XO,
~1150' of 1-1/4" IJ tubing to ~12400' KB