

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED  
Budget Bureau No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

5. Lease Serial No.
NMNM0309377A
6. If Indian, Allottee or Tribe Name
7. If Unit or CA, Agreement, Name and/or No.
8. Well Name and No.
HJ Federal #1
9. API Well No.
30-015-23781
10. Field and Pool, or Exploratory Area
Lusk;B.S., West (41480)
11. County or Parish, State
Eddy Co., NM

1. Type of Well	
<input type="checkbox"/> Oil	<input checked="" type="checkbox"/> Gas
2. Name of Operator	
Lynx Petroleum Consultants, Inc.	
3a. Address	3b. Phone No. (include area code)
P.O. Box 1708, Hobbs, NM 88241	575-392-3575
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	
1980' FSL & 2310' FWL, Sec. 13, T19S, R31E, Unit K	

**12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be Filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

See attached procedure

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

JUL 30 2014

RECEIVED

APD 8-12-2014  
Accepted for Record  
NMDCOB

ACCEPTED FOR RECORD

JUL 27 2014

*J. [Signature]*

BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)	Title
DEBBIE MCKELVEY	AGENT 575-392-3575
Signature <i>Debbie McKelvey</i>	Date <i>5/7/14</i> 2/10/14

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, Fictitious or fraudulent statements or representations as to any matter within its jurisdiction

(Instruction on page 2)

**HJ "13" Federal Com No. 1  
Bone Spring Recompletion**

**API No.:** 30-015-23781

**Location:** 1980' FSL & 2310' FWL Section 13, T-19S, R-31E  
Eddy County, New Mexico

**Elevation:** 3558' GL

**KB:** +18'

**TD:** 12,690'

**PBTD:** 10,345'

**Casing & Cement:**

13-3/8", 54.5#/ft., K-55, ST&C @ 604' cmt. w/625 sx. circulated  
8-5/8", 32#/ft., K-55, ST&C @ 4101' cmt. w/1772 sx. Circulated via 1"  
5-1/2", 17#/ft., N-80, LT&C @ 12,696' cmt. w/1250 sx. TOC @ 8,360' by CBL

**Tubing:**

282 joints (9207') 2-7/8", 6.5#/ft., N-80, EUE tubing

**Existing Perforations:**

Morrow: 12623'-37', 12595'-608', 12341'-97'

**CIBP:** 11,910' capped w/35' cement

**Existing Perforations:**

Atoka: 111939'-54', 11790'-810'

**CIBP:** 11,750' capped w/35' cement

**Existing Perforations:**

Wolfcamp: 10418'-26', 10436'-40', 10459'-74'

**CIBP:** 10,380' capped w/35' cement

**Existing Perforations:**

Bone Spring 2<sup>nd</sup> Sand: 9174'-94'

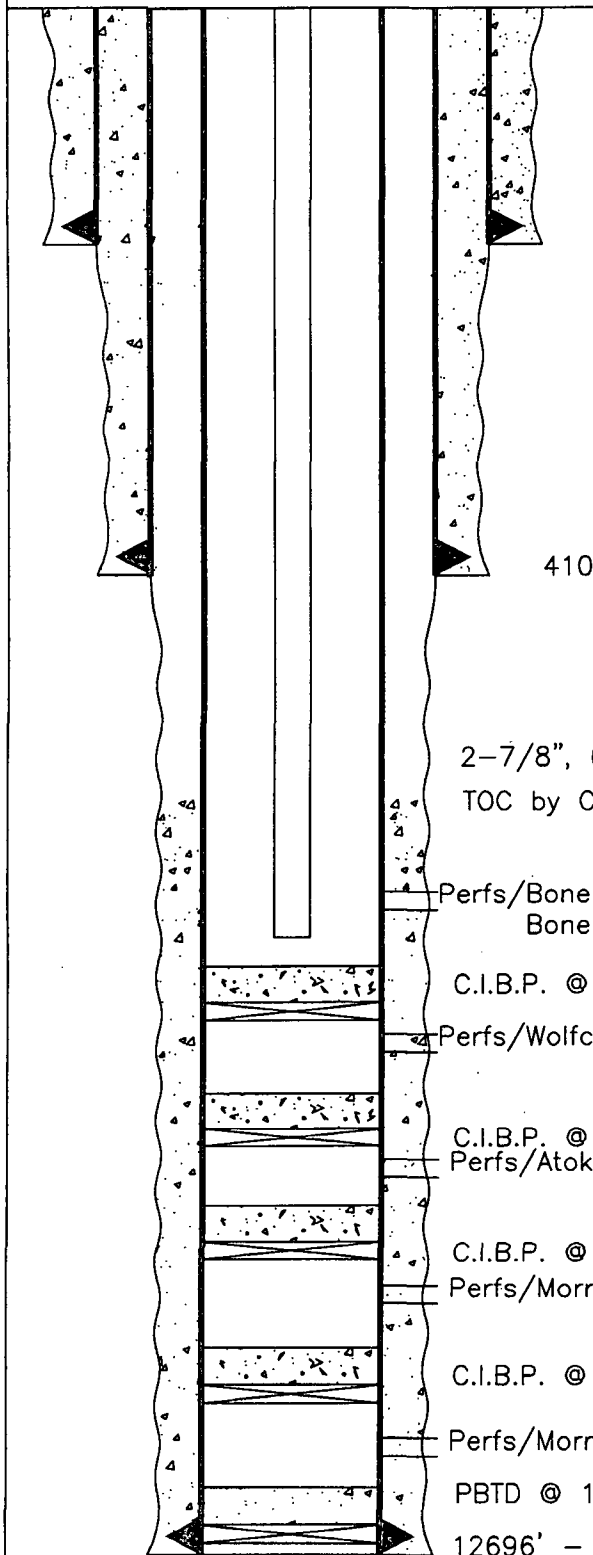
Bone Spring 1<sup>st</sup> Sand: 8513'-16', 8520'-30', 8534'-39'

**Work Performed:**

1. 11/11/13 - MIRU well servicing unit. ND wellhead. NU 5M hydraulic BOP; tested to 5M.
2. Released production packer at 10214'. Loaded and circulated hole w/230 bbls. 2% KCL TFW. TOO H and laid down 2-3/8" tubing. ND BOP. NU frac stack.
3. RD well servicing unit.
4. 11/12/13 - RU Schlumberger wireline unit. PU 5-1/2" CIBP. TIH and tagged cement plug @ 11,715' (COA requirement). Pull up and set CIBP @ 10380'. Spotted 35' cement on top of plug. WOC 4 hours and tagged plug (O.K'd by Jennifer/Wesley).
5. 11/13/13 - Tested 5-1/2" casing to 4300 psig. Held O.K.
6. Perforated 2<sup>nd</sup> Bone Spring sand w/2 JSPF (42 holes) from 9174'-94'.
7. 12/10/13 - Rigged up BakerHughes. Frac 2<sup>nd</sup> Bone Spring sand w/4540 bbls. freshwater carrying 1200 lbs. 20/40 sacked sand + 13,774 lbs. liteprop + 7400 lbs. 20/40 Garnet RC. Injection rate 60 BPM. Average treating pressure 3710 psig.
8. 12/12/13 - RU Schlumberger wireline unit. TIH w/5-1/2" composite flow through bridge plug. Set plug at 9000'. Perforated 1<sup>st</sup> Bone Spring sand 8513'-16', 8520'-30', 8534'-39' w/2 JSPF (42 holes total).
9. Frac 1<sup>st</sup> Bone Spring sand w/1500 gals. 15% HCL-NE-FE acid + 4220 bbls. fresh water carrying 856 lbs. 20/40 sacked sand + 13,760 lbs. 14/40 liteprop + 9985 lbs. 20/40 Garnet RC. Injection rate 60 BPM. Average treating pressure 3373 psig.
10. 12/13/13 - RU Metering & Testing. Flowed back 980 BW. Well died.
11. ND Frac stack. NU BOP.
12. 1/2/14 - MIRU Reeco Well Service pulling unit. RU TFH reverse unit. PU 4-3/4" bit, DCs, and 2-7/8" tubing. TIH, circulated out sand on top of composite plug and drilled out plug set at 9000'. Continue in hole to 9300'. Circulated hole clean. TOO H.
13. 1/6/14 - RU and run 282 joint 2-7/8", 6.5#/ft. N-80 production tubing w/EOT at 9207'.
14. ND BOP. NU wellhead.
15. 1/7/14 - Run pump and rods. Space out and hang well on. Flowing back load water.

BONE SPRING RECOMPLETION  
01/01/14

Elevation: 3558GL KB: +18'



17-1/2" Hole  
604' - 13 3/8", K-55, 54.5#, ST&C Casing  
Cemented w/625 sxs. Circulated to Surf.

12-1/4" Hole  
4101' - 8-5/8", K-55, 32#, ST&C Casing.  
Cemented w/1770 sxs. Circulated to Surface

7-7/8" Hole  
2-7/8", 6.5#/ft, N-80, EUE Tbg. @ 9207'  
TOC by CBL 8360'

Perfs/Bone Spring 8513'-16', 8520'-30', 8534'-39'  
Bone Spring 9174'-94'

C.I.B.P. @ 10380' w/35' Cement on Top

Perfs/Wolfcamp 10418'-24', 10436'-40', 10459'-74'

C.I.B.P. @ 11750' w/35' Cement on Top  
Perfs/Atoka 11788'-810'

C.I.B.P. @ 11910' w/35' Cement on Top  
Perfs/Morrow 11939'-54'

C.I.B.P. @ 12300' w/35' Cement on Top

Perfs/Morrow 12341'-97', 12595'-608', 12623'-37'

PBTD @ 12654'

T.D. @ 12697'

12696' - 5 1/2", 17#, N80  
Cement w/1250 sxs. Class 'H'

Lynx Petroleum Cons.
Federal 'HJ' 13 No. 1
1980' FSL & 2310' FWL
Sec. 13, T-19S, R-31E
Eddy County, N.M.