

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007**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 reverse side.1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator **NADEL AND GUSSMAN HEYCO, LLC**3a. Address
PO BOX 1936 ~ ROSWELL NM 88202-19363b. Phone No. (include area code)
575/623/6601

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**Unite N, 1,432' FWL & 660' FSL
Sec 30: T17S, R29E**

5. Lease Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8910115910

8. Well Name and No

Empire South Deep Unit #13

9. API Well No.

30-015-22000

10. Field and Pool, or Exploratory Area

Empire Morrow

11. County or Parish, State

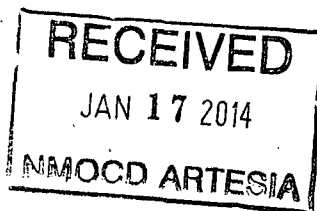
Eddy, New Mexico**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input 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 checked="" type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Re-submit with
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Well bore Schematic
	<input type="checkbox"/> Convert to Injection	<input 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 recomplete 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 recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**BLM Bond No. NMB00520
Surety Bond NO. B004230****Objective: Abandon Morrow interval and recomplete as oil producer in L. Wolfcamp/Cisco-Canyon.
See attached Procedure with Well Bore Schematic.**

*This is a STATE Wellbore on a STATE Lease
Requires STATE Approval - NMOC D-Artesia*



Previously sent on 11/5/13 without well bore diagram.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)**Tammy R. Link**Title **Production Tech**

Signature

Date

01/09/2014**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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.

Title

Date

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Procedure:

****CANYON****

1. MIRU, NU BOPE.
2. POOH with production eqpt.
3. Set CIBP @ $\pm 10,600'$. Dump bail 2 sx "H" on top, pressure test casing and plug. Set CIBP @ $\pm 9,150'$. Dump bail 2 sx "H" on top.
4. Perforate Canyon interval from $8,962' - 9,076'$, (36 holes).
5. Acidize perforations with 4,000 gal of 15% NEFE.
6. Swab test and determine next steps.

****CISCO****

7. Set CIBP @ $\pm 8,920'$, dump bail 2 sx "H" on top, pressure test casing and plug.
8. Perforate Cisco interval from $8,805' - 8,873'$, (24 holes).
9. Acidize perforations with 4,000 gal of 15% NEFE.
10. Swab test and determine next steps.

****LOWER WOLFCAMP****

11. Set CIBP @ $\pm 8,750'$, dump bail 2 sx "C" on top, pressure test casing and plug.
12. Perforate Lower Wolfcamp interval from $8,637' - 8,661'$, (36 holes).
13. Acidize perforations with 2,000 gal of 15% NEFE.
14. Swab test and determine next steps.

Empire South Deep Unit #13
Empire Morrow South
 Api #30-015-22000 #237350-013
 N-30-17S-29E Eddy County
 660' FSL & 1432' FWL SE 1/4 SW 1/4
 State Lease #B-7596-296.57 ac
 Elev. 3,646' (15)
NGH, LLC

Wellbore Status as of : 07/02/13

PROPOSED

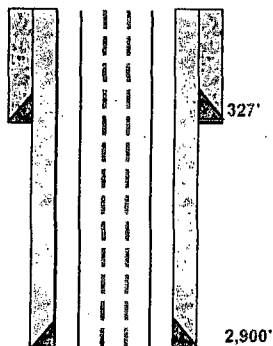
Spud: 1/31/1977
 TD: 3/23/1977 11,060'
 Completed: 4/7/1977
 PBD: 3/25/1977 10,960'

prepared by LMO

DRAWING NOT TO SCALE.

Tubing Detail: (btm to top)

Bull Plug
 Seat Nipple
 Sand Screen
 Tubing Anchor
 2-7/8" Tbg



Surface Casing:

Bit size - 15"
 327' of 12-3/4" 34# Csg
 Cmt'd w/250 sx, TOC = Circ

Intermediate Casing:

Bit size - 11"
 2,900' - 8-5/8" 24# & 28# Csg
 Cmt'd w/1,200 sx cmt, TOC = Surf

Production Casing:

Bit size - 7-7/8"
 11,060' - 5-1/2" 17# & 20# Csg
 Cmt'd w/1,200 sx cmt, TOC = 6,070'

Formation Tops:

Wolfcamp	7,320
Wolfcamp Shale	8,436
Lower Wolfcamp	8,593
- Cisco	8,804
Canyon	8,956
Canyon Dolomite	9,190
Strawn	9,588
Atoka	10,178
Morrow	10,387
Chester	11,010

Other well information:

Surface Casing: 8 jts 34 12-3/4"
 Intermediate Casing: 58 jts 24 lb/ft & 13 jts 28 lb/ft, K-55, 8-5/8"
 Production Casing: 23 jts 20 lb/ft, N-80, 5-1/2"
 251 jts 17 lb/ft, N-80 5-1/2"

Empire South Deep Unit #13
Empire Morrow South
 Api #30-015-22000 #237350-013
 N:30:17S-29E, Eddy County
 660' FSL & 1432' FWL SE/SW 1/4
 State Lease #B-7596-296.57 ac
 Elev 3,646' (15)
NGH, LLC

Wellbore Status as of : 04/18/13

EXISTING STATUS

Spud: 1/31/1977
 TD: 3/23/1977 11,060'
 Completed: 4/7/1977
 PBTD: 3/25/1977 10,960'

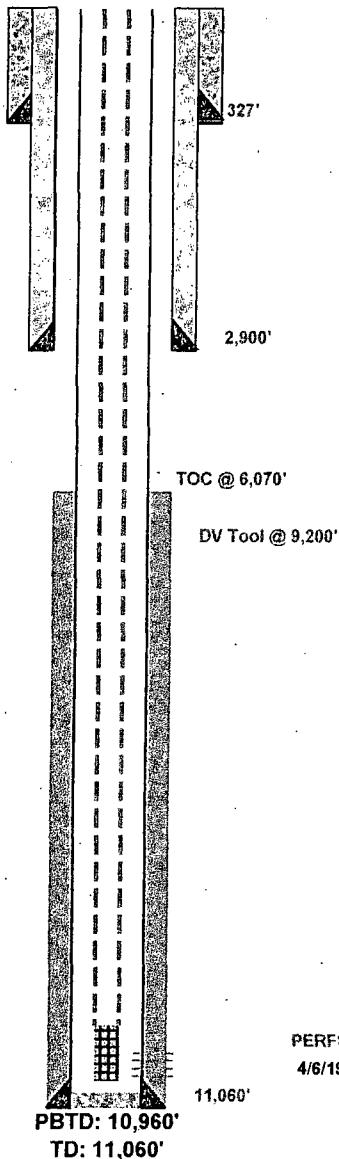
prepared by T.W. Green

DRAWING NOT TO SCALE.

Tubing Detail: (btm to top)

Length (ft) Detail

15.40 VT Co. Perf Gun Assembly
 4.05 2-3/8" N-80 tbg sub
 63.46 2 jts 2-3/8" tbg
 2.40 VT Co. PAVA
 3.24 Baker Lok-Set PKR
 5.95 1 jt 2-3/8" tbg sub
 1.70 Baker on-off tool (1.43" R profile)
 8.00 2-3/8" tbg sub
 0.46 2-3/8" x 2-7/8" X-Over
 126.29 4 jts 2-7/8" tbg
 6.34 Key Locator sub w/RA Marker
 10,427.56 332 jts 2-7/8" tbg
 14.00 KB to THF
 10,678.85 Btm of Perf Gun KB



Surface Casing:

Bit size - 15"
 327' of 12-3/4" 34# Csg
 Cmt'd w/250 sx, TOC = Circ

Intermediate Casing:

Bit size - 11"
 2,900' - 8-5/8" 24# & 28# Csg
 Cmt'd w/1,200 sx cmt, TOC = Surf

Production Casing:

Bit size - 7-7/8"
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PERFS:

4/6/1977 10,665' - 10,677' (48 shots)

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