Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
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 reverse side.

5. Lease Serial No.
NMNM25365

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
NEFF 25 FEDERAL 5H

2. Name of Operator
OXY USA INCORPORATED
Contact: DAVID R STEWART
E-Mail: david_stewart@oxy.com

9. API Well No.
30-015-41031-00-X1

3a. Address
5 GREENWAY PLAZA STE 110
HOUSTON, TX 77046-0521

3b. Phone No. (include area code)
Ph: 432-685-5717
Fx: 432-685-5742

10. Field and Pool, or Exploratory
LIVINGSTON RIDGE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 25 T22S R31E NENW 634FNL 2218FWL

11. County or Parish, and State
EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.)

OXY USA Inc. respectfully requests approval for the following changes to the drilling plan:

The 5-1/2" casing will be cemented (amended procedure below), but will also have 16 OptiPort Fracturing Sleeves run as an integral part of the casing. These will be made up to the casing with a pup joint on top and bottom and will be equally spaced between each other in the horizontal section. The Baker Hughes OptiPort is a hydraulically actuated frac port, designed for use in multi-interval stimulation applications. The ports will be run in the closed position. Once the casing has been landed and cemented, a coiled tubing BHA will be deployed into the casing to open the ports individually starting at the toe of the well and moving up hole towards the heel. Each port remains pressure balanced until actuated with the coil BHA and after the port is opened it is locked in the open position allowing for pin point placement of a stimulation treatment.

RECEIVED
MAY 20 2013
NMOCD ARTESIA

Accepted for record
NMOCD CRDade 5/24/13

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #207268 verified by the BLM Well Information System
For OXY USA INCORPORATED, sent to the Carlsbad
Committed to AFMSS for processing by JOHNNY DICKERSON on 05/14/2013 (13JLD0800SE)

Name *(Printed/Typed)* DAVID R STEWART — Title REGULATORY ADVISOR

Signature (Electronic Submission) — Date 05/13/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By CHRISTOPHER WALLS — Title PETROLEUM ENGINEER — Date 05/16/2013

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 Carlsbad

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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Additional data for EC transaction #207268 that would not fit on the form

32. Additional remarks, continued

See below for the revised cementing procedure reflecting the new casing depths as per COA as well as one stage cement job on the production casing instead of three stages. A POST tool will be spaced out below the intermediate casing shoe @ 4600' for contingency 2nd stage, in case cement is not circulated to surface on the primary job.

a.Surface Casing-
13-3/8" 48# H-40 ST&C csg @ 0-860', 17-1/2" hole w/ 8.6# mud

Coll Rating (psi)	Burst Rating (psi)	SF Coll	SF Burst	SF Ten
770	1730	2.73	5.87	8.67

b.Intermediate Casing-
9-5/8" 40# J-55 LT&C csg @ 0-4550', 12-1/4" hole w/ 10.2# mud

Coll Rating (psi)	Burst Rating (psi)	SF Coll	SF Burst	SF Ten
2570	3950	1.33	2.04	2.83

c.Production Casing
5-1/2" 17# L-80 LT&C csg @ 0-12275'M, 8-3/4" hole w/ 9.4# mud

Coll Rating (psi)	Burst Rating (psi)	SF Coll	SF Burst	SF Ten
6290	7740	2.17	2.68	1.67

Collapse and burst loads calculated using Stress Check with anticipated loads

3. Cement volumes adjustment to the new depth and bit/casing sizes.

a.Surface - Circulate cement to surface w/ 350sx PP cmt w/ 1% CaCl2 + 4% Bentonite + .25#/sx Poly-E-Flake, 13.5ppg 1.73 yield 888# 24hr CS 165% Excess followed 300sx PP cmt w/ 1% CaCl2, 14.8ppg 1.34 yield 1416# 24hr CS 165% Excess.

b.Intermediate - Circulate cement to surface w/ 1250sx HES light PP cmt w/ 5% Salt + 5#/sx Kol-Seal + .125#/sx Poly-E-Flake + .4% HR-800, 12.9ppg 1.88 yield 668# 24hs CS 105% Excess followed by 300sx PP cmt, 14.8ppg 1.33 yield 2158# 24hr CS 105% Excess.
c.Production - Circulate cement w/ 1250sx Tuned Light cmt w/ 14.8#/sx Silicalite 50/50 Blend + 16#/sx Scotchlite HGS-6000 w/ 3#/sx Kol Seal + .125#/sx Poly-E-Flake + .1#/sx HR-800 10.5ppg 2.69 yield 978# 24hr CS 110% Excess followed by 560sx Acid Soluable cmt w/ .7% HR-601 15.0ppg 2.61 yield 502# 24hr CS 40% Excess.

Contingency 2nd Stage- POST @ 4600'
Circulate cement w/ 590sx HES light PP cmt w/ 3#/sx Salt, 12.4ppg 2.05 yield 450# 24hs CS (500#-24.5hr) 110% Excess followed by 100sx PP cmt, 14.8ppg 1.33 yield 955# 24hr CS 40% Excess.

Description of Cement Additives: Calcium Chloride, Salt (Accelerator), Silicalite (Additive Material), Bentonite, Schotchlite HGS-6000 (Light Weight Additive), Kol-Seal, Poly-E-Flake (Lost Circulation Additive), HR-601, HR-800 (Retarder)
The above cement volumes could be revised pending the caliper measurement.

OPERATOR:	LEASE / WELL:	SURFACE SURVEY LOCATION:	API NUMBER:
Oxy USA WTP LP	**Neff 25 Federal #5H**	SEC 25 - T22S - R31E	30-015-41031
DRILLING RIG: / COMPLETION RIG:	COUNTY / STATE: **Eddy County, NM**	SURFACE LOCATION CALL: **634' FNL & 2218' FWL**	FIELD:

DIRECTIONAL DATA

KOP: 7589'
MAX DEV: 8° @ 7750.0° MD

	TVD	DEG INC.	MD
TOP PERF:	8303'	81°	8855'
BTM PERF:	8319'	90°	12155'

DRILLING / COMPLETION FLUID

DRILLING FLUID:	ppg -
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COMPLETION FLUID:	ppg -
PACKER FLUID:	ppg -

TUBULAR DATA

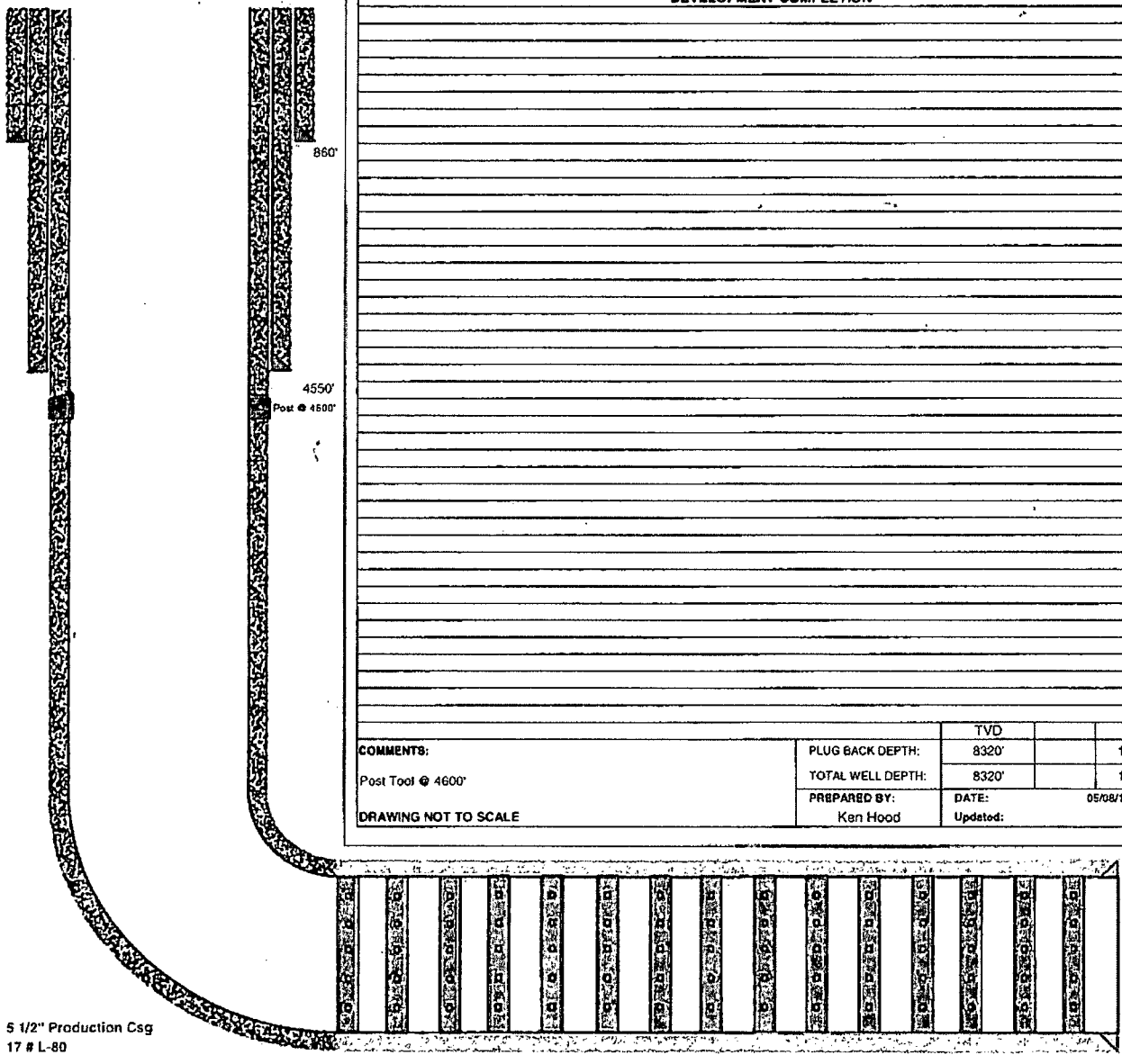
Tubulars	Size	Weight	Grade	Thread	TVD	MD
DRIVE PIPE						
CONDUCTOR						
SURFACE	13.375	48.00	H-40	STC	860'	860'
INTERMEDIATE	9.625	40.00	J-55	LTC	4550'	4550'
PRODUCTION	5.500	17.00	L-80	LBTC	8320'	12275'
PRODUCTION LINER						
TUBING						

CEMENT: 5 1/2" Stage 1:
Stage 2:
Stage 3:

WELLHEAD DATA

TYPE	
WH	
T C FLANGE:	
R A THREAD:	
E P	
E	
TUBING HANGER:	
BTM FLANGE:	
BPV PROFILE:	
ELEVATIONS: RKB: 3557'	GROUND ELEVATION
RKB-ELEV: 25'	3532'

PROPOSED WELLBORE SKETCH



Pre-Frac Prep Procedure

DEVELOPMENT COMPLETION

COMMENTS:		TVD		MD
Post Tool @ 4600'	PLUG BACK DEPTH:	8320'		12,195'
	TOTAL WELL DEPTH:	8320'		12,275'
DRAWING NOT TO SCALE	PREPARED BY: Ken Hood	DATE: 05/08/13	Updated:	