

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
OCD-ARTESIAFORM 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
OXY USA Inc.

16696

3a. Address
P.O. Box 50250 Midland, TX 797103b. Phone No. (include area code)
432-685-5717

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

S-284 FSL 1993 FWL SESW(N) Sec 27 T23S R29E
PB-400 FNL 1920 FWL NEW(L) " " "

5. Lease Serial No.

NMNM 105557

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Goodnight 27 Federal (#4H)

9. API Well No.

30-015-39142

10. Field and Pool, or Exploratory Area

Herron Ranch Delaware, NE

11. County or Parish, State

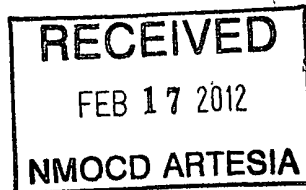
Eddy NM

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

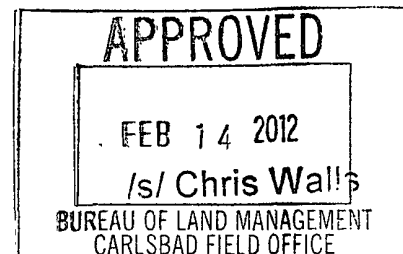
TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☒ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>New Directional Plan</u>
	☒ 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 recompleate 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 recompleation 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.)

Accepted for record

NMOCD JES
2/20/2012

SEE ATTACHED

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

David Stewart

Title Regulatory Advisor

Signature

Date

2/7/12

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

(Instructions on page 2)

OXY USA Inc. – Amend APD

Goodnight 27 Federal #4H - API No. 30-015-39142

SL-284 FSL 1993 FWL SESW(N) Sec 27 T23S R29E

BHL-400 FNL 1920 FWL NENW(C) Sec 27 T23S R29E

Eddy County, NM

OXY USA Inc. respectfully requests to amend the total measured depth, the well plan was changed from a 6°/100' build to a 8°/100' build. Amended directional drilling plan is attached.

TMD-10987' TVD-6652'

Due to inventory limitations, the Intermediate casing string to be run will be as shown below. The new casing specifications meet all safety factors and design requirements according to BLM standards. We will also be changing the grade of the 5-1/2" Production casing from N80 to L80 in which there is practically no difference in the casing specifications.

Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>OD Csg</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	<u>Condition</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
12-1/4"	3125'	9-5/8"	40	LT&C	J-55	New	1.26	1.21	4.85
				Hole filled with 10.0# Mud			2570#	3950#	
8-1/2"	10767'	5-1/2"	17	LT&C	L-80	New	1.97	1.21	1.71
DVT @ 5000' - POST @ 3175'				Hole filled with 9.2# Mud			6290#	7740#	

Collapse and burst loads calculated using Stress Check with anticipated loads

Cement Program

9-5/8" Intermediate Circulate cement to surface w/ 870sx HES light PP cmt w/ 5% Salt + .125#/sx Poly-E-Flake + 3#/sx Kol-Seal, 12.9ppg 1.87 yield 625# 24hr CS 105% Excess followed by 250sx PP cmt w/ 1% CaCl₂, 14.8ppg 1.34 yield 2125# 24hr CS 105% Excess

5-1/2" Production Cement 1st stage w/ 710sx HES light PP w/ 3#/sx salt + .3#/sx Kol-Seal + 0.3% HR-601 12.4ppg 2.11 yield 460# 24hr CS 135% Excess, followed by 1300sx Super H w/ .5% Halad-344 + .4% CFR-3 + 3#/sx Kol-Seal + .125#/sx Poly-E-Flake, 13.2ppg 1.60 yield 1477# 24hr CS 135% Excess, Calc TOC-4950

Cement 2nd stage w/ 610sx HES light PP w/ 3#/sx salt + .3#/sx Kol-Seal + 0.3% HR-601 12.4ppg 2.07 yield 431# 24hr CS 200% Excess, followed by 100sx PP cmt w/ 1% CaCl₂, 14.8ppg 1.34 yield 1483# 24hr CS 200% Excess, Calc TOC-3125'

Cement 3rd stage w/ 510sx HES Light PP cmt w/ 3#/sx Salt, 12.4ppg 1.98 yield 511# 24hr CS 35% Excess followed by 100sx PP cmt w/ 2% CaCl₂, 14.8ppg 1.35 yield 2100# 24hr CS 14.8ppg 1.34 yield 2025# 24hr CS 35% Excess, Circ Surface

The above cement volumes could be revised pending the caliper measurement.

Verbal approval granted to proceed with these casing changes by Chris Walls (BLM) at 2:15pm on 2/3/12.



Occidental Permian Ltd.

Goodnight 27 Fed #4H Eddy Co, NM

KB ELEV: 3034.0
GLELEV: 3017.5

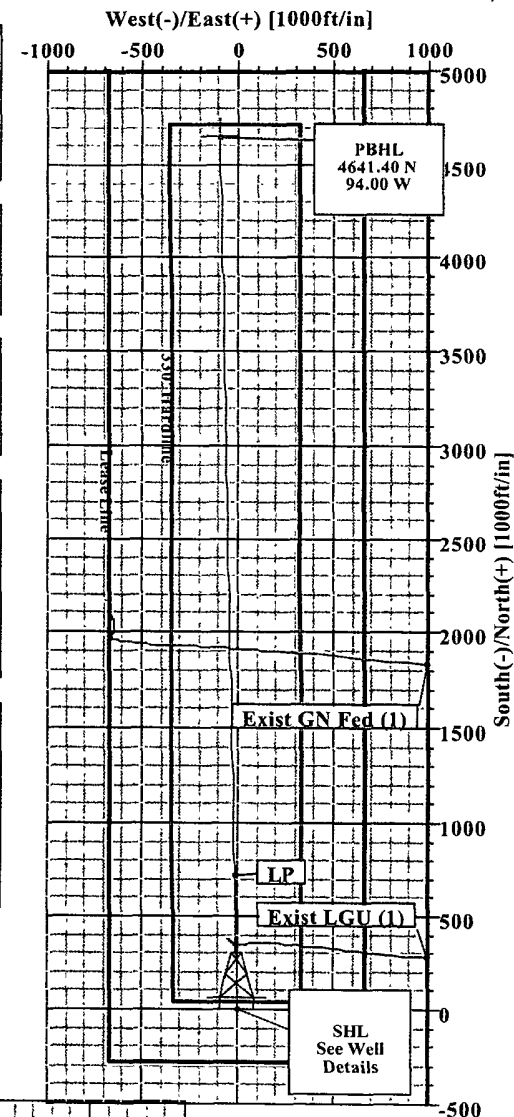
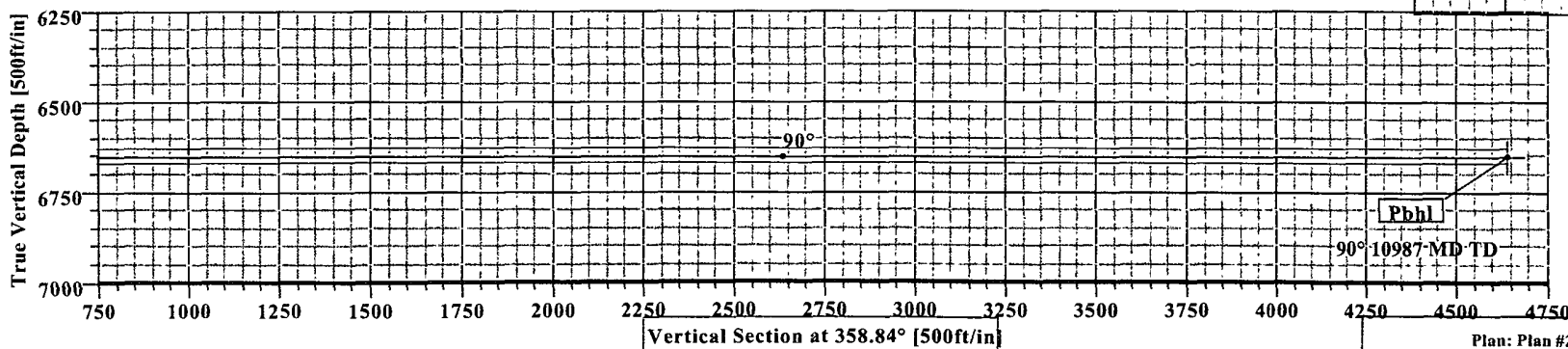
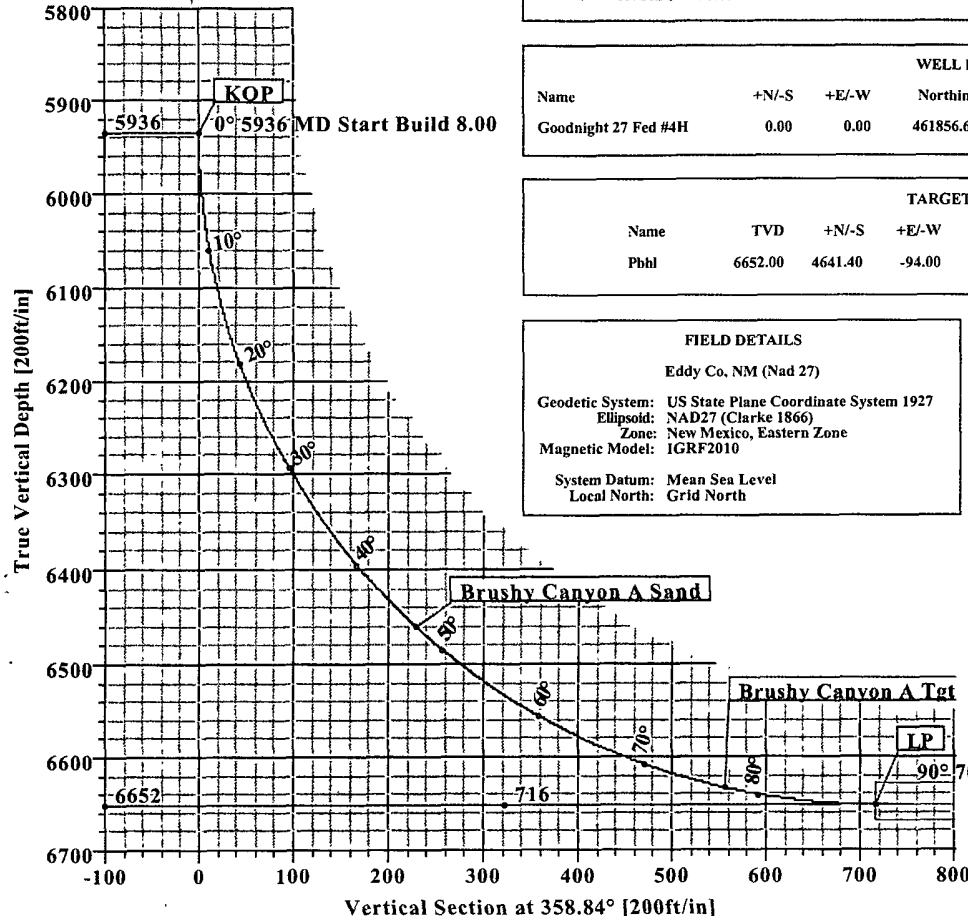
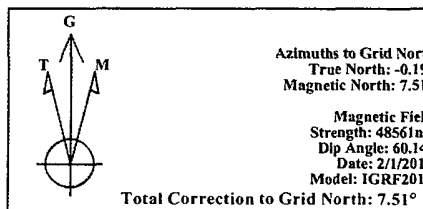
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	358.84	0.00	0.00	0.00	0.00	0.00	0.00	
2	5935.80	0.00	358.84	5935.80	0.00	0.00	0.00	0.00	0.00	
3	7060.80	90.00	358.84	6652.00	716.05	-14.50	8.00	358.84	716.20	
4	10986.96	90.00	358.84	6652.00	4641.40	-94.00	0.00	0.00	4642.35	Pbhl

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Goodnight 27 Fed #4H	0.00	0.00	461856.60	610986.40	32°16'09.301N	103°58'27.316W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	6652.00	4641.40	-94.00	466498.00	610892.40	Rectangle (3927x0)

FIELD DETAILS
Eddy Co, NM (Nad 27)
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS
Goodnight 27 Fed #4H
Site Centre Northing: 461856.60
Easting: 610986.40
Ground Level: 3017.50
Positional Uncertainty: 0.00
Convergence: 0.19



- LEGEND**
- Cypress 34 Fed #7H (1)
 - Cypress 34 Fed #7H (RSS Plan)
 - Exist LGU (1)
 - Exist GN Fed (1)
 - Exist 22 Fed #3 (1)
 - Exist. LS22 Fed (1)
 - Goodnight 27 #5H (1)
 - Goodnight 27 Fed #3H (1)
 - 1
 - Plan #2



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 1/19/2012	Time: 10:05:13	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well: Goodnight 27 Fed #4H, Grid North		
Site: Goodnight 27 Fed #4H	Vertical (TVD) Reference: SITE 3034.0		
Well: Goodnight 27 Fed #4H	Section (VS) Reference: Well: (0.00N,0.00E,358.84Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #2	Date Composed: 1/4/2012
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Eddy Co, NM (Nad 27)	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Goodnight 27 Fed #4H	
Site Position:	Northing: 461856.60 ft
From: Map	Easting: 610986.40 ft
Position Uncertainty: 0.00 ft	Latitude: 32 16 9.301 N
Ground Level: 3017.50 ft	Longitude: 103 58 27.316 W
	North Reference: Grid
	Grid Convergence: 0.19 deg

Well: Goodnight 27 Fed #4H	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 16 9.301 N
+E/-W 0.00 ft	Longitude: 103 58 27.316 W
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 2/1/2012	Above System Datum: Mean Sea Level
Field Strength: 48561 nT	Declination: 7.70 deg
Vertical Section: Depth From (TVD) ft	Mag Dip Angle: 60.14 deg
	+N/-S ft
	+E/-W ft
	Direction deg
0.00	0.00
0.00	0.00
0.00	358.84

Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	358.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5935.80	0.00	358.84	5935.80	0.00	0.00	0.00	0.00	0.00	0.00	
7060.80	90.00	358.84	6652.00	716.05	-14.50	8.00	8.00	0.00	358.84	
10986.96	90.00	358.84	6652.00	4641.40	-94.00	0.00	0.00	0.00	0.00	Pbhl

Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
5900.00	0.00	358.84	5900.00	0.00	0.00	0.00	0.00	461856.60	610986.40	
5935.80	0.00	358.84	5935.80	0.00	0.00	0.00	0.00	461856.60	610986.40	KOP
6000.00	5.14	358.84	5999.91	2.87	-0.06	2.88	8.00	461859.47	610986.34	
6100.00	13.14	358.84	6098.57	18.74	-0.38	18.74	8.00	461875.34	610986.02	
6200.00	21.14	358.84	6194.05	48.17	-0.98	48.18	8.00	461904.77	610985.42	
6300.00	29.14	358.84	6284.51	90.60	-1.83	90.62	8.00	461947.20	610984.57	
6400.00	37.14	358.84	6368.18	145.21	-2.94	145.24	8.00	462001.81	610983.46	
6500.00	45.14	358.84	6443.43	210.93	-4.27	210.97	8.00	462067.53	610982.13	
6525.36	47.16	358.84	6461.00	229.21	-4.64	229.26	8.00	462085.81	610981.76	Brushy Canyon A Sa
6600.00	53.14	358.84	6508.80	286.48	-5.80	286.54	8.00	462143.08	610980.60	
6700.00	61.14	358.84	6563.02	370.39	-7.50	370.46	8.00	462226.99	610978.90	
6800.00	69.14	358.84	6605.04	461.03	-9.34	461.12	8.00	462317.63	610977.06	
6899.89	77.13	358.84	6634.00	556.52	-11.27	556.64	8.00	462413.12	610975.13	Brushy Canyon A Tg
6900.00	77.14	358.84	6634.02	556.63	-11.27	556.74	8.00	462413.23	610975.13	
7000.00	85.14	358.84	6649.42	655.33	-13.27	655.47	8.00	462511.93	610973.13	
7060.80	90.00	358.84	6652.00	716.05	-14.50	716.20	8.00	462572.65	610971.90	LP
7100.00	90.00	358.84	6652.00	755.24	-15.30	755.39	0.00	462611.84	610971.10	



Db: Sybase

Name	Description	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
Pbhl -Rectangle (3927x0)			6652.00	4641.40	-94.00	466498.00	610892.40	32 16 55.236 N	103 58 28.230 W



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Eddy Co. NM (Nad 27)
Site: Goodnight 27 Fed #4H
Well: Goodnight 27 Fed #4H
Wellpath: 1

Date: 1/19/2012
Co-ordinate(NE) Reference: Well: Goodnight 27 Fed #4H, Grid North
Vertical (FVD) Reference: SITE 30340
Section (VS) Reference: Well (0.00N,0.00E,358.84Azi)
Survey Calculation Method: Minimum Curvature
Page: 3
Db: Sybase

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
550.00	550.00	0.000	0.000	Csg
3020.00	3020.00	0.000	0.000	Csg

Annotation

MD ft	TVD ft	
5935.80	5935.80	KOP
7060.80	6652.00	LP
10986.95	6652.00	Pbhl

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
6525.36	6461.00	Brushy Canyon A Sand		0.00	0.00
6899.89	6634.00	Brushy Canyon A Tgt Top		0.00	0.00
	0.00	Brushy Canyon A Tgt Base		0.00	0.00