

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

I & E CFO

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.**

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		5. Lease Serial No. NMNM109756
2. Name of Operator OXY USA INCORPORATED		6. If Indian, Allottee or Tribe Name
3a. Address 5 GREENWAY PLAZA STE 110 HOUSTON, TX 77046-0521		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 432.685.5717		8. Well Name and No. PEACHES 19 FEDERAL 4H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T25S R27E Lot 1 0150FNL 0660FWL 32.122100 N Lat, 104.235336 W Lon		9. API Well No. 30-015-42030-00-X1
		10. Field and Pool, or Exploratory COTTONWOOD DRAW
		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 Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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:

1. Extend the BHL approximately 150' past the south hardline to allow for our shoe track and perforating guns, see attached for amended C-102 plat and amended directional drilling plan.

Proposed TD - 12500'M-7797'V

2. Adjust production casing and cementing to amended TMD.

Production Casing

5-1/2" 17# L-80 BT&C new csg @ 0-12500'M, 7-7/8" hole w/ 9.2# mud

NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 13 2015

RECEIVED

Accepted for record
RD NMOC 8/14/15

14. I hereby certify that the foregoing is true and correct. Electronic Submission #292730 verified by the BLM Well Information System For OXY USA INCORPORATED, sent to the Carlsbad Committed to AFMSS for processing by CHRISTOPHER WALLS on 08/06/2015 (15CRW0091SE)	
Name (Printed/Typed) DAVID STEWART	Title REGULATORY ADVISOR
Signature (Electronic Submission)	Date 02/23/2015
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By	Title
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 any false statement or representation to any Federal, State, or local agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

APPROVED

AUG - 6 2015

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

Additional data for EC transaction #292730 that would not fit on the form

32. Additional remarks; continued

Coll Rating (psi)-6285 Burst Rating (psi)-7738
SF Coll-1.69 SF Burst-1.23 SF Ten-1.85

Production Cement - Cement w/ 600sx Tuned Light cmt w/ .1#/sx Poly-E-Flake + .35% HR-601 + 1#/sx Kol-Seal, 10.2ppg 3.055 yield 788# 24hr CS 100% Excess followed by 750sx Super H cmt w/ 3#/sx salt + .3% CFR-3 + .5% Halad-344 + 2#/sx Kol-Seal + .1% HR-800, 13.2ppg 1.652 yield 1462# 24hr CS 30% . Excess,
Calculated TOC @ 1450'.

Description of Cement Additives: Salt (Accelerator); CFR-3 (Dispersant); Kol-Seal, Poly-E-Flake (Lost Circulation Additive); Halad-344 (Low Fluid Loss Control); HR-601, HR-800 (Retarder)
The above cement volumes could be revised pending the caliper measurement.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone: (575) 393-6181 Fax: (575) 393-6720
 District II
 811 S. First St., Artesia, NM 88218
 Phone: (575) 748-1283 Fax: (575) 748-6720
 District III
 1000 Rio Grande Road, Aztec, NM 87416
 Phone: (505) 334-6178 Fax: (505) 334-6179
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102
 Revised August 1, 2011
 Submit one copy to appropriate
 District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-42030	Pool Code 97494	Pool Name Cottonwood Draw Bone Springs
Property Code 39207	Property Name PEACHES "19" FEDERAL	Well Number 4H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3222.9'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	19	25 SOUTH	27 EAST, N.M.P.M.		150'	NORTH	660'	WEST	EDDY

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
4	19	25 SOUTH	27 EAST, N.M.P.M.		180'	SOUTH	660'	WEST	EDDY
Dedicated Acres 158	Joint or Infill N	Consolidation Code	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.

	SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=408158.3 US FT X=530338.3 US FT LAT.: N 32.1221001° LONG.: W 104.2353381°	OPERATOR CERTIFICATION 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 undivided 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 hereafter entered by the division. Signature: <u>[Signature]</u> Date: <u>2/23/15</u> Printed Name: <u>David Stewart Sr., P.E.</u> E-mail Address: <u>david.stewart@oxy.com</u>	
	TOP PERF. NEW MEXICO EAST NAD 1927 Y=407978.3 US FT X=530342.8 US FT LAT.: N 32.1218054° LONG.: W 104.2353228°		SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from a true and correct survey made by me or a duly supervised and qualified person and that the same is true and correct to the best of my knowledge. Date of Survey: <u>2/19/2015</u> Signature and Seal: <u>[Signature]</u> Professional Surveyor: <u>[Seal]</u>
	BOTTOM PERF. NEW MEXICO EAST NAD 1927 Y=408158.3 US FT X=530338.3 US FT LAT.: N 32.1089121° LONG.: W 104.2349827°		Certificate Number: <u>15079</u>
	BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 Y=408158.3 US FT X=530338.3 US FT LAT.: N 32.1084968° LONG.: W 104.2349716°		WOF 130319WL-b (Rev. B) (RA)



KB=24' @ 3246.90usft (H&P 474)
Gr@ 3222.90



True North: -0.65°
Magnetic North: 7.63°

Magnetic Field
Strength: 48229.8snT
Dip Angle: 59.96°
Date: 2/19/2015
Model: HDGM

To convert Magnetic North to Grid, Add 7.63°
To convert True North to Grid, Subtract 0.65°

Peaches 19 Fed 4H Eddy County, NM (NAD 27 NME) Northing: 408156.30 Easting: 530338.30 Plan #1

WELL DETAILS: Peaches 19 Fed 4H

+N/-S	+E/-W	Northing	Ground Level: Easting	Latitude	Longitude
0.00	0.00	408156.30	530338.30	32° 7' 19.561 N	104° 14' 7.210 W

SECTION DETAILS:

MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7224.04	0.00	0.00	7224.04	0.00	0.00	0.00	0.00	0.00
8124.04	90.00	178.64	7797.00	-572.80	13.58	10.00	178.64	572.96
12489.73	90.00	178.64	7797.00	-4947.26	-117.25	0.00	0.00	4948.65 PBHL

DESIGN TARGET DETAILS:

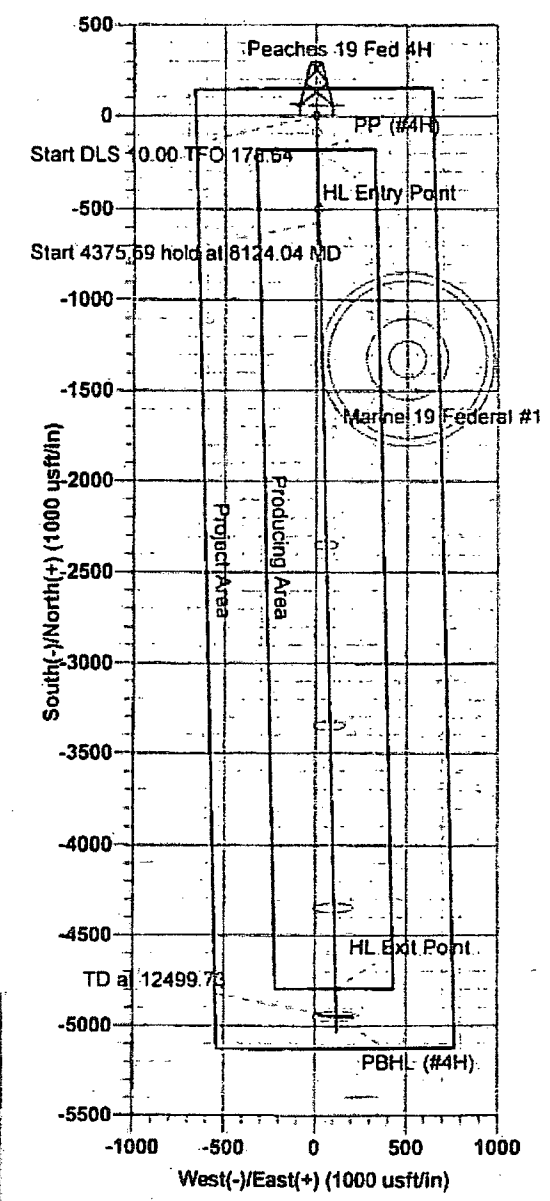
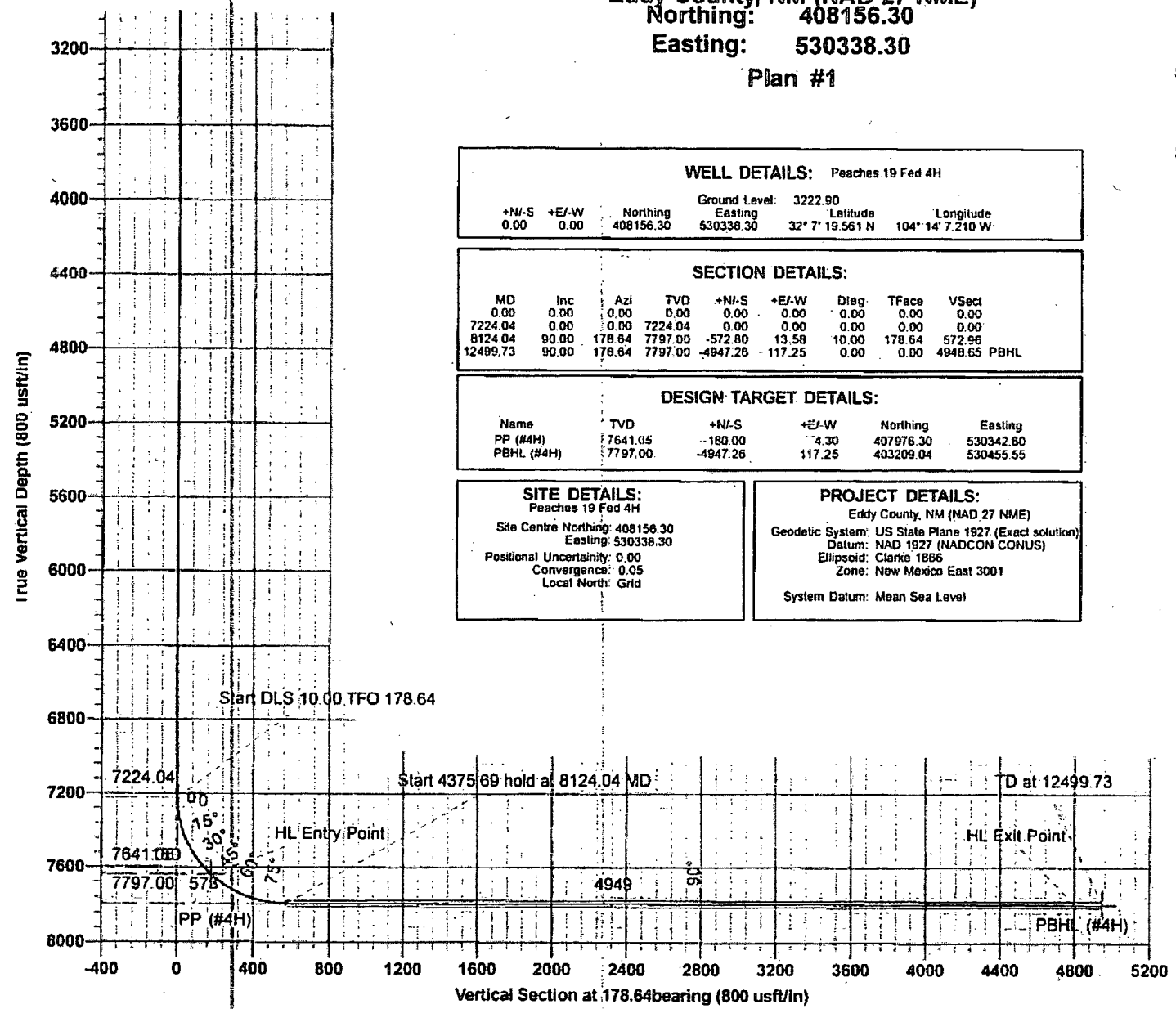
Name	TVD	+N/-S	+E/-W	Northing	Easting
PP (#4H)	7641.05	-180.00	4.30	407976.30	530342.80
PBHL (#4H)	7797.00	-4947.26	117.25	403209.04	530455.55

SITE DETAILS:

Peaches 19 Fed 4H
Site Centre Northing: 408156.30
Easting: 530338.30
Positional Uncertainty: 0.00
Convergence: 0.05
Local North: Grid

PROJECT DETAILS:

Eddy County, NM (NAD 27 NME)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1886
Zone: New Mexico East 3001
System Datum: Mean Sea Level



Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Peaches 19 Fed 4H
Company:	OXY	TVD Reference:	KB-24' @ 3248.90usft (H&P 474)
Project:	Eddy County, NM (NAD 27 NME)	MD Reference:	KB-24' @ 3248.90usft (H&P 474)
Site:	Peaches 19 Fed 4H	North Reference:	Grid
Well:	Peaches 19 Fed 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project:	Eddy County, NM (NAD 27 NME), New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Peaches 19 Fed 4H		
Site Position:		Northing:	408,156.30 usft
From:	Map	Easting:	530,338.30 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"
		Latitude:	32° 7' 19.561 N
		Longitude:	104° 14' 7.210 W
		Grid Convergence:	0.05°

Well:	Peaches 19 Fed 4H		
Well Position	+N-S	0.00 usft	Northing: 408,156.30 usft
	+E-W	0.00 usft	Easting: 530,338.30 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	Ground Level: 3,222.90 usft

Wellbore:	OH		
(Magnetics)	Model Name	Sample Date	Declination
			(°)
	HDGM	2/19/2015	7.68
			Dip Angle
			(°)
			Field Strength
			(nT)
			59.90
			48,230

Design:	Plan #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.00	0.00	0.00
			Direction
			(bearing)
			178.64

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(bearing)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,224.04	0.00	0.00	7,224.04	0.00	0.00	0.00	0.00	0.00	0.00	
8,124.04	90.00	178.64	7,797.00	-572.80	13.58	10.00	10.00	19.85	178.64	
12,499.73	90.00	178.64	7,797.00	-4,947.26	117.25	0.00	0.00	0.00	0.00	PBHL (#4H)

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Peaches 19 Fed 4H
Company:	OXY	TVD Reference:	KB=24' @ 3246.90usft (H&P 474)
Project:	Eddy County, NM (NAD 27 NME)	MD Reference:	KB=24' @ 3246.90usft (H&P 474)
Site:	Peaches 19 Fed 4H	North Reference:	Grid
Well:	Peaches 19 Fed 4H	Survey/Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Peaches 19 Fed 4H
Company:	OXY	TVD Reference:	KB=24' @ 3246.90usft (H&P 474)
Project:	Eddy County, NM (NAD 27 NME)	MD Reference:	KB=24' @ 3246.90usft (H&P 474)
Site:	Peaches 19 Fed 4H	North Reference:	Grid
Well:	Peaches 19 Fed 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00
7,224.04	0.00	0.00	7,224.04	0.00	0.00	0.00	0.00	0.00	0.00
Start DLS 10.00 TFO 178.64									
7,250.00	2.60	178.64	7,249.99	-0.59	0.01	0.59	10.00	10.00	0.00
7,300.00	7.60	178.64	7,299.78	-5.03	0.12	5.03	10.00	10.00	0.00
7,350.00	12.60	178.64	7,348.99	-13.79	0.33	13.79	10.00	10.00	0.00
7,400.00	17.60	178.64	7,397.25	-26.80	0.64	26.81	10.00	10.00	0.00
7,450.00	22.60	178.64	7,444.19	-43.97	1.04	43.98	10.00	10.00	0.00
7,500.00	27.60	178.64	7,489.45	-65.16	1.54	65.18	10.00	10.00	0.00
7,550.00	32.60	178.64	7,532.70	-90.22	2.14	90.25	10.00	10.00	0.00
7,600.00	37.60	178.64	7,573.60	-118.95	2.82	118.98	10.00	10.00	0.00
7,650.00	42.60	178.64	7,611.83	-151.14	3.58	151.18	10.00	10.00	0.00
7,691.12	46.71	178.64	7,641.08	-180.02	4.27	180.07	10.00	10.00	0.00
HL Entry Point									
7,700.00	47.60	178.64	7,647.12	-186.53	4.42	186.58	10.00	10.00	0.00
7,750.00	52.60	178.64	7,679.18	-224.86	5.33	224.93	10.00	10.00	0.00
7,800.00	57.60	178.64	7,707.78	-265.84	6.30	265.92	10.00	10.00	0.00
7,850.00	62.60	178.64	7,732.70	-309.16	7.33	309.25	10.00	10.00	0.00
7,900.00	67.60	178.64	7,753.75	-354.48	8.40	354.58	10.00	10.00	0.00
7,950.00	72.60	178.64	7,770.77	-401.47	9.51	401.58	10.00	10.00	0.00
8,000.00	77.60	178.64	7,783.62	-449.76	10.66	449.88	10.00	10.00	0.00
8,050.00	82.60	178.64	7,792.22	-498.98	11.83	499.12	10.00	10.00	0.00
8,100.00	87.60	178.64	7,796.49	-548.77	13.01	548.92	10.00	10.00	0.00
8,124.04	90.00	178.64	7,797.00	-572.80	13.58	572.96	10.00	10.00	0.00
Start 4375.69 hold at 8124.04 MD									
8,200.00	90.00	178.64	7,797.00	-648.74	15.38	648.92	0.00	0.00	0.00
8,300.00	90.00	178.64	7,797.00	-748.71	17.74	748.92	0.00	0.00	0.00
8,400.00	90.00	178.64	7,797.00	-848.68	20.11	848.92	0.00	0.00	0.00
8,500.00	90.00	178.64	7,797.00	-948.65	22.48	948.92	0.00	0.00	0.00
8,600.00	90.00	178.64	7,797.00	-1,048.62	24.85	1,048.92	0.00	0.00	0.00
8,700.00	90.00	178.64	7,797.00	-1,148.60	27.22	1,148.92	0.00	0.00	0.00
8,800.00	90.00	178.64	7,797.00	-1,248.57	29.59	1,248.92	0.00	0.00	0.00
8,900.00	90.00	178.64	7,797.00	-1,348.54	31.96	1,348.92	0.00	0.00	0.00
9,000.00	90.00	178.64	7,797.00	-1,448.51	34.33	1,448.92	0.00	0.00	0.00
9,100.00	90.00	178.64	7,797.00	-1,548.48	36.70	1,548.92	0.00	0.00	0.00

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Peaches 19 Fed 4H
Company:	OXY	TVD Reference:	KB=24' @ 3246.90usft (H&P 474)
Project:	Eddy County, NM (NAD 27, NME)	MD Reference:	KB=24' @ 3246.90usft (H&P 474)
Site:	Peaches 19 Fed 4H	North Reference:	Grid
Well:	Peaches 19 Fed 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N/S (usft)	+E/W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,200.00	90.00	178.64	7,797.00	-1,648.45	39.07	1,648.92	0.00	0.00	0.00	
9,300.00	90.00	178.64	7,797.00	-1,748.43	41.44	1,748.92	0.00	0.00	0.00	
9,400.00	90.00	178.64	7,797.00	-1,848.40	43.81	1,848.92	0.00	0.00	0.00	
9,500.00	90.00	178.64	7,797.00	-1,948.37	46.18	1,948.92	0.00	0.00	0.00	
9,600.00	90.00	178.64	7,797.00	-2,048.34	48.55	2,048.92	0.00	0.00	0.00	
9,700.00	90.00	178.64	7,797.00	-2,148.31	50.92	2,148.92	0.00	0.00	0.00	
9,800.00	90.00	178.64	7,797.00	-2,248.29	53.28	2,248.92	0.00	0.00	0.00	
9,900.00	90.00	178.64	7,797.00	-2,348.26	55.65	2,348.92	0.00	0.00	0.00	
10,000.00	90.00	178.64	7,797.00	-2,448.23	58.02	2,448.92	0.00	0.00	0.00	
10,100.00	90.00	178.64	7,797.00	-2,548.20	60.39	2,548.92	0.00	0.00	0.00	
10,200.00	90.00	178.64	7,797.00	-2,648.17	62.76	2,648.92	0.00	0.00	0.00	
10,300.00	90.00	178.64	7,797.00	-2,748.15	65.13	2,748.92	0.00	0.00	0.00	
10,400.00	90.00	178.64	7,797.00	-2,848.12	67.50	2,848.92	0.00	0.00	0.00	
10,500.00	90.00	178.64	7,797.00	-2,948.09	69.87	2,948.92	0.00	0.00	0.00	
10,600.00	90.00	178.64	7,797.00	-3,048.06	72.24	3,048.92	0.00	0.00	0.00	
10,700.00	90.00	178.64	7,797.00	-3,148.03	74.61	3,148.92	0.00	0.00	0.00	
10,800.00	90.00	178.64	7,797.00	-3,248.01	76.98	3,248.92	0.00	0.00	0.00	
10,900.00	90.00	178.64	7,797.00	-3,347.98	79.35	3,348.92	0.00	0.00	0.00	
11,000.00	90.00	178.64	7,797.00	-3,447.95	81.72	3,448.92	0.00	0.00	0.00	
11,100.00	90.00	178.64	7,797.00	-3,547.92	84.09	3,548.92	0.00	0.00	0.00	
11,200.00	90.00	178.64	7,797.00	-3,647.89	86.46	3,648.92	0.00	0.00	0.00	
11,300.00	90.00	178.64	7,797.00	-3,747.87	88.82	3,748.92	0.00	0.00	0.00	
11,400.00	90.00	178.64	7,797.00	-3,847.84	91.19	3,848.92	0.00	0.00	0.00	
11,500.00	90.00	178.64	7,797.00	-3,947.81	93.56	3,948.92	0.00	0.00	0.00	
11,600.00	90.00	178.64	7,797.00	-4,047.78	95.93	4,048.92	0.00	0.00	0.00	
11,700.00	90.00	178.64	7,797.00	-4,147.75	98.30	4,148.92	0.00	0.00	0.00	
11,800.00	90.00	178.64	7,797.00	-4,247.73	100.67	4,248.92	0.00	0.00	0.00	
11,900.00	90.00	178.64	7,797.00	-4,347.70	103.04	4,348.92	0.00	0.00	0.00	
12,000.00	90.00	178.64	7,797.00	-4,447.67	105.41	4,448.92	0.00	0.00	0.00	
12,100.00	90.00	178.64	7,797.00	-4,547.64	107.78	4,548.92	0.00	0.00	0.00	
12,200.00	90.00	178.64	7,797.00	-4,647.61	110.15	4,648.92	0.00	0.00	0.00	
12,300.00	90.00	178.64	7,797.00	-4,747.58	112.52	4,748.92	0.00	0.00	0.00	
12,349.68	90.00	178.64	7,797.00	-4,797.25	113.69	4,798.60	0.00	0.00	0.00	
HL Exit Point										
12,400.00	90.00	178.64	7,797.00	-4,847.56	114.89	4,848.92	0.00	0.00	0.00	
12,499.73	90.00	178.64	7,797.00	-4,947.26	117.25	4,948.65	0.00	0.00	0.00	
TD at 12499.73										

Design Targets										
Target Name	Hit/miss target	Dip Angle (°)	Dip Dir. (bearing)	TVD (usft)	+N/S (usft)	+E/W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PP (#4H)	- plan misses target center by 0.03usft at 7691.09usft MD (7641.05 TVD, -180.00 N, 4.27 E)	0.00	0.00	7,641.05	-180.00	4.30	407,976.30	530,342.60	32° 7' 17.779 N	104° 14' 7.162 W
	- Point									
PBHL (#4H)	- plan hits target center	90.00	178.64	7,797.00	-4,847.26	117.25	403,209.04	530,455.55	32° 6' 30.599 N	104° 14' 5.899 W
	- Rectangle (sides W0.00 H30.00 D4,375.69)									

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Peaches 19 Fed 4H
Company:	OXY	TVD Reference:	KB=24' @ 3246.90usft (H&P 474)
Project:	Eddy County, NM (NAD 27 NME)	MD Reference:	KB=24' @ 3246.90usft (H&P 474)
Site:	Peaches 19 Fed 4H	North Reference:	Grid
Well:	Peaches 19 Fed 4H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
7,224.04	7,224.04	0.00	0.00	Start DLS 10.00 TFO 178.64
7,691.12	7,641.08	-180.02	4.27	HL Entry Point
8,124.04	7,797.00	-572.80	13.58	Start 4375.69 hold at 8124.04 MD
12,349.68	7,797.00	-4,797.25	113.69	HL Exit Point
12,499.73	7,797.00	-4,947.26	117.25	TD at 12499.73