

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.**

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 3H
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T25S R27E SESW 0730FSL 1980FWL 32.110024 N Lat, 104.230748 W Lon		9. API Well No. 30-015-42446-00-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 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 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 north hardline to allow for our shoe track and perforating guns, see attached for amended C-102 plat and amended directional drilling plan.

Proposed TD - 12211'M 7760'V

2. Adjust production casing and cementing to amended TMD.

Production Casing

5-1/2" 17# L-80 BT&C new csg @ 0-12211'M, 7-7/8" hole w/ 9.2# mud

8/12/15
Accepted for record
NMOCDNM OIL CONSERVATION
ARTESIA DISTRICT

AUG 11 2015

RECEIVED

14. I hereby certify that the foregoing is true and correct. Electronic Submission #294645 verified by the BLM Well Information System For OXY USA INCORPORATED, sent to the Carlsbad Committed to AFMSS for processing by CATHY QUEEN on 06/10/2015 (15CQ0239SE)	
Name (Printed/Typed) DAVID STEWART	Title REGULATORY ADVISOR
Signature (Electronic Submission)	Date 03/12/2015
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, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

Additional data for EC transaction #294645 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/ 570sx 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
1635 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Bravos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87503
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 30-015-42446	Pool Code 97494	Pool Name Cottonwood Draw Bone Spring
Property Code 39207	Property Name PEACHES "19" FEDERAL	Well Number 3H
OGRID No. 16696	Operator Name OXY USA INC.	Elevation 3171.3'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	19	25 SOUTH	27 EAST, N.M.P.M.		730'	SOUTH	1980'	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
C	19	25 SOUTH	27 EAST, N.M.P.M.		180'	NORTH	1980'	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160	N		

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.

	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 calculated 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 heretofore entered by the division. <i>David Stewart</i> 3/12/15 Signature Date David Stewart Sr. Reg. Adv. Printed Name david_stewart@oxy.com E-mail Address SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was placed by me or under my supervision and that the same is true and correct to the best of my belief. 15079 19, 2013 Date of Survey Professional Surveyor 15079 Certificate Number <i>Terry J. Paul</i> 3/12/2015 Signature Date 15079 Certificate Number WO/ 130319WL-a (Rev. A) (KA)
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KB @ 3195.30usft (H&P 474)
Gr: 3171.30

Peaches 19 Fed 3H
Eddy County, NM (NAD 27 NME)
Northing: 403764.90
Easting: 531762.80
Design #2

WELL DETAILS: Peaches 19 Fed 3H

+N/-S	+E/-W	Northing	Ground Level Easting	Latitude	Longitude
0.00	0.00	403764.90	531762.80	32° 8' 38.088 N	104° 13' 50.694 W

SECTION DETAILS:

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	0.00
2215.00	4.30	178.53	2214.80	-8.06	0.21	2.00	178.53	-8.06
7004.08	4.30	178.53	6990.40	-367.02	9.42	0.00	0.00	-367.14
8182.83	90.00	358.63	7760.30	346.96	-7.58	8.00	-179.90	347.04
12210.59	90.00	358.63	7760.30	4373.56	-103.98	0.00	0.00	4374.80

DESIGN TARGET DETAILS:

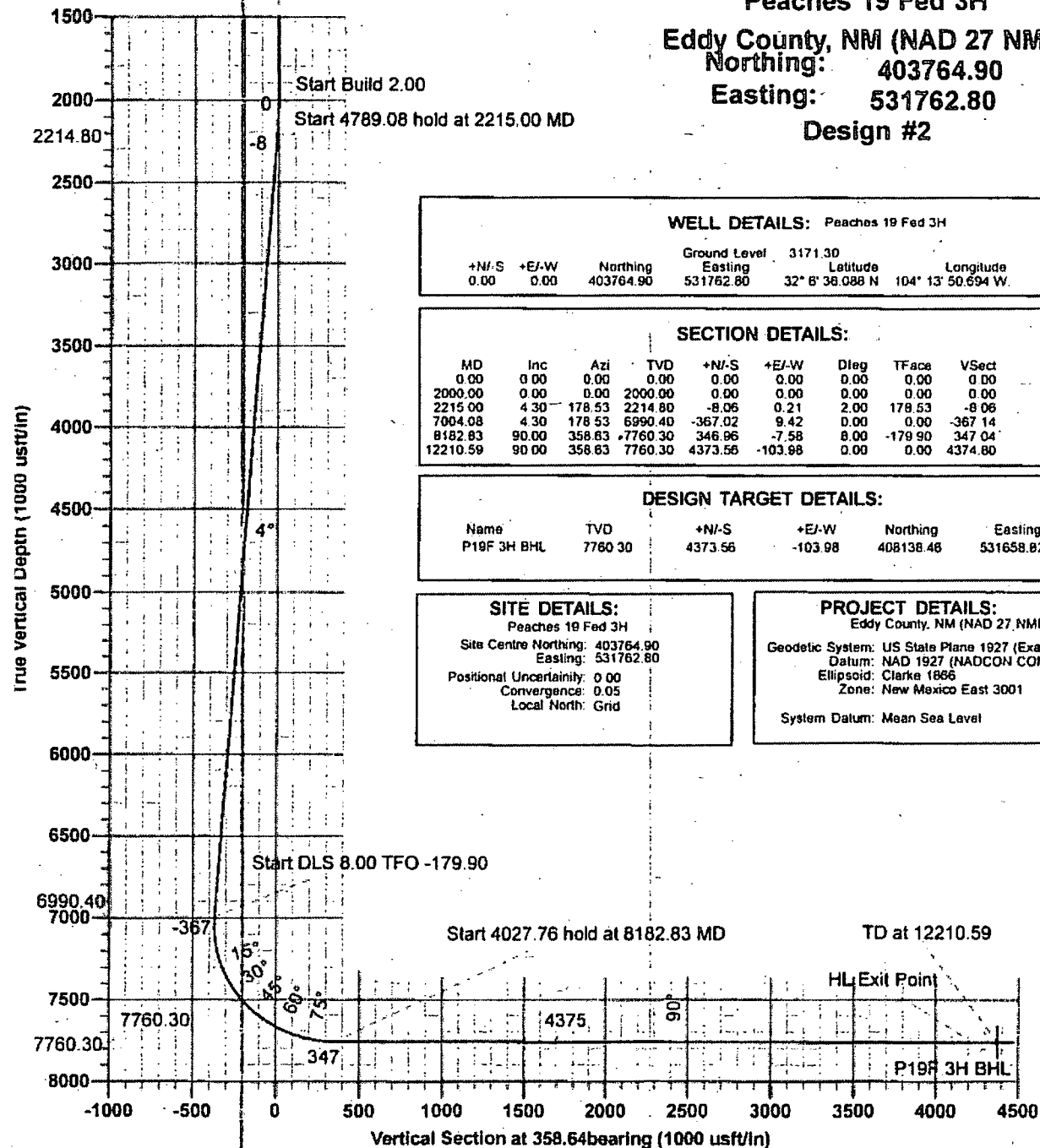
Name	TVD	+N/-S	+E/-W	Northing	Easting
P19F 3H BHL	7760.30	4373.56	-103.98	408138.46	531658.82

SITE DETAILS:

Peaches 19 Fed 3H
Site Centre Northing: 403764.90
Easting: 531762.80
Positional Uncertainty: 0.00
Convergence: 0.05
Local North: Grid

PROJECT DETAILS:

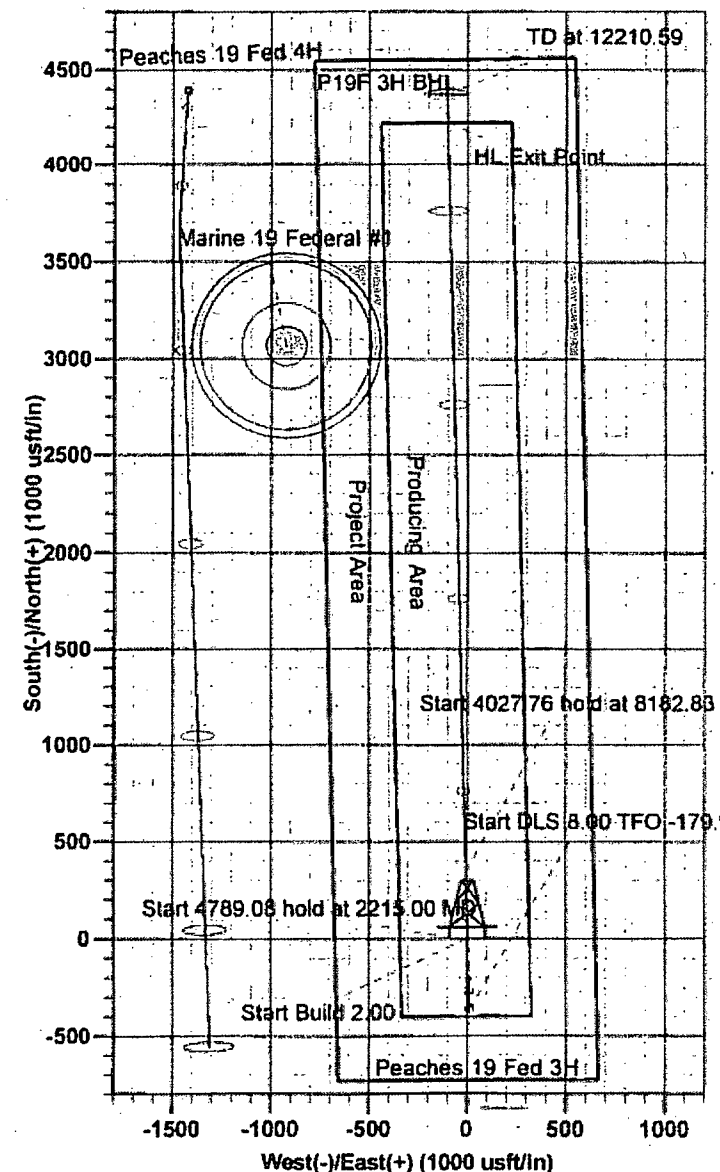
Eddy County, NM (NAD 27 NME)
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level



To convert Magnetic North to Grid, Add 7.61°
To convert True North to Grid, Subtract 0.05°

Magnetic North: 7.61°

Magnetic Field
Strength: 48223.9s
Dip Angle: 59.1°
Date: 3/3/20
Model: HDK



Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Peaches 19 Fed 3H
Company:	OXY	TVD Reference:	KB @ 3195.30usft (H&P 474)
Project:	Eddy County, NM (NAD 27 NME)	MD Reference:	KB @ 3195.30usft (H&P 474)
Site:	Peaches 19 Fed 3H	North Reference:	Grid
Well:	Peaches 19 Fed 3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #2		

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 3H		
Site Position:	Northling:	403,764.90 usft	Latitude: 32° 6' 36.088 N
From:	Map	Easting:	531,762.80 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"
		Grid Convergence:	0.05°

Well:	Peaches 19 Fed 3H		
Well Position	+N-S	0.00 usft	Northling: 403,764.90 usft
	+E-W	0.00 usft	Easting: 531,762.80 usft
Position Uncertainty	0.00 usft	Wellhead Elevation:	Ground Level: 3,171.30 usft

Wellbore:	Original Wellbore		
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	3/3/2015	7.67	59.88	48,224

Design:	Design #2		
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Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth: 0.00

Vertical Section:	Depth From (TVD) (usft)	+N-S (usft)	+E-W (usft)	Direction (bearing)
	0.00	0.00	0.00	358.64

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (bearing)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	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	
2,215.00	4.30	178.53	2,214.80	-8.06	0.21	2.00	2.00	0.00	178.53	
7,004.08	4.30	178.53	6,990.40	-367.02	9.42	0.00	0.00	0.00	0.00	
8,182.83	90.00	358.63	7,760.30	346.96	-7.58	8.00	7.27	-15.26	-179.90	
12,210.59	90.00	358.63	7,760.30	4,373.56	-103.98	0.00	0.00	0.00	0.00	P19F 3H BHL

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Peaches 19 Fed 3H
Company:	OXY	TVD Reference:	KB @ 3195.30usft (H&P 474)
Project:	Eddy County, NM (NAD 27 NME)	MD Reference:	KB @ 3195.30usft (H&P 474)
Site:	Peaches 19 Fed 3H	North Reference:	Grid
Well:	Peaches 19 Fed 3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Org-nal Wellbore		
Design:	Design #2		

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
Start Build 2.00									
2,100.00	2.00	178.53	2,099.98	-1.74	0.04	-1.75	2.00	2.00	0.00
2,200.00	4.00	178.53	2,199.84	-6.98	0.18	-6.98	2.00	2.00	0.00
2,215.00	4.30	178.53	2,214.80	-8.06	0.21	-8.06	2.00	2.00	0.00
Start 4789.08 hold at 2215.00 MD									
2,300.00	4.30	178.53	2,299.56	-14.43	0.37	-14.44	0.00	0.00	0.00
2,400.00	4.30	178.53	2,399.28	-21.93	0.56	-21.94	0.00	0.00	0.00
2,500.00	4.30	178.53	2,499.00	-29.42	0.76	-29.43	0.00	0.00	0.00
2,600.00	4.30	178.53	2,598.71	-36.92	0.95	-36.93	0.00	0.00	0.00
2,700.00	4.30	178.53	2,698.43	-44.41	1.14	-44.43	0.00	0.00	0.00
2,800.00	4.30	178.53	2,798.15	-51.91	1.33	-51.93	0.00	0.00	0.00
2,900.00	4.30	178.53	2,897.87	-59.40	1.52	-59.42	0.00	0.00	0.00
3,000.00	4.30	178.53	2,997.59	-66.90	1.72	-66.92	0.00	0.00	0.00
3,100.00	4.30	178.53	3,097.31	-74.40	1.91	-74.42	0.00	0.00	0.00
3,200.00	4.30	178.53	3,197.03	-81.89	2.10	-81.92	0.00	0.00	0.00
3,300.00	4.30	178.53	3,296.74	-89.39	2.29	-89.42	0.00	0.00	0.00
3,400.00	4.30	178.53	3,396.46	-96.88	2.49	-96.91	0.00	0.00	0.00
3,500.00	4.30	178.53	3,496.18	-104.38	2.68	-104.41	0.00	0.00	0.00
3,600.00	4.30	178.53	3,595.90	-111.87	2.87	-111.91	0.00	0.00	0.00
3,700.00	4.30	178.53	3,695.62	-119.37	3.06	-119.41	0.00	0.00	0.00
3,800.00	4.30	178.53	3,795.34	-126.86	3.26	-126.91	0.00	0.00	0.00
3,900.00	4.30	178.53	3,895.06	-134.36	3.45	-134.40	0.00	0.00	0.00
4,000.00	4.30	178.53	3,994.77	-141.85	3.64	-141.90	0.00	0.00	0.00
4,100.00	4.30	178.53	4,094.49	-149.35	3.83	-149.40	0.00	0.00	0.00
4,200.00	4.30	178.53	4,194.21	-156.85	4.02	-156.90	0.00	0.00	0.00
4,300.00	4.30	178.53	4,293.93	-164.34	4.22	-164.39	0.00	0.00	0.00
4,400.00	4.30	178.53	4,393.65	-171.84	4.41	-171.89	0.00	0.00	0.00
4,500.00	4.30	178.53	4,493.37	-179.33	4.60	-179.38	0.00	0.00	0.00
4,600.00	4.30	178.53	4,593.08	-186.83	4.79	-186.89	0.00	0.00	0.00
4,700.00	4.30	178.53	4,692.80	-194.32	4.99	-194.39	0.00	0.00	0.00
4,800.00	4.30	178.53	4,792.52	-201.82	5.18	-201.88	0.00	0.00	0.00
4,900.00	4.30	178.53	4,892.24	-209.31	5.37	-209.38	0.00	0.00	0.00
5,000.00	4.30	178.53	4,991.96	-216.81	5.56	-216.88	0.00	0.00	0.00

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Peaches 19 Fed 3H
Company:	OXY	TVD Reference:	KB @ 3195.30usft (H&P 474)
Project:	Eddy County, NM (NAD 27 NME)	MD Reference:	KB @ 3195.30usft (H&P 474)
Site:	Peaches 19 Fed 3H	North Reference:	Grid
Well:	Peaches 19 Fed 3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #2		

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)
5,100.00	4.30	178.53	5,091.68	-224.30	5.76	-224.38	0.00	0.00	0.00
5,200.00	4.30	178.53	5,191.40	-231.80	5.95	-231.88	0.00	0.00	0.00
5,300.00	4.30	178.53	5,291.11	-239.29	6.14	-239.37	0.00	0.00	0.00
5,400.00	4.30	178.53	5,390.83	-246.79	6.33	-246.87	0.00	0.00	0.00
5,500.00	4.30	178.53	5,490.55	-254.29	6.53	-254.37	0.00	0.00	0.00
5,600.00	4.30	178.53	5,590.27	-261.78	6.72	-261.87	0.00	0.00	0.00
5,700.00	4.30	178.53	5,689.99	-269.28	6.91	-269.36	0.00	0.00	0.00
5,800.00	4.30	178.53	5,789.71	-276.77	7.10	-276.86	0.00	0.00	0.00
5,900.00	4.30	178.53	5,889.43	-284.27	7.29	-284.36	0.00	0.00	0.00
6,000.00	4.30	178.53	5,989.14	-291.76	7.49	-291.86	0.00	0.00	0.00
6,100.00	4.30	178.53	6,088.86	-299.26	7.68	-299.36	0.00	0.00	0.00
6,200.00	4.30	178.53	6,188.58	-306.75	7.87	-306.85	0.00	0.00	0.00
6,300.00	4.30	178.53	6,288.30	-314.25	8.06	-314.35	0.00	0.00	0.00
6,400.00	4.30	178.53	6,388.02	-321.74	8.26	-321.85	0.00	0.00	0.00
6,500.00	4.30	178.53	6,487.74	-329.24	8.45	-329.35	0.00	0.00	0.00
6,600.00	4.30	178.53	6,587.46	-336.73	8.64	-336.85	0.00	0.00	0.00
6,700.00	4.30	178.53	6,687.17	-344.23	8.83	-344.34	0.00	0.00	0.00
6,800.00	4.30	178.53	6,786.89	-351.73	9.03	-351.84	0.00	0.00	0.00
6,900.00	4.30	178.53	6,886.61	-359.22	9.22	-359.34	0.00	0.00	0.00
7,004.08	4.30	178.53	6,990.40	-367.02	9.42	-367.14	0.00	0.00	0.00
Start DLS 8.00 TFO -179.90									
7,050.00	0.63	177.95	7,036.27	-368.99	9.47	-369.12	8.00	-8.00	-1.26
7,100.00	3.37	358.75	7,086.24	-367.80	9.45	-367.92	8.00	5.49	-358.39
7,150.00	7.37	358.69	7,136.01	-363.12	9.34	-363.24	8.00	8.00	-0.14
7,200.00	11.37	358.67	7,185.34	-354.98	9.16	-355.09	8.00	8.00	-0.04
7,250.00	15.37	358.66	7,233.97	-343.42	8.88	-343.53	8.00	8.00	-0.02
7,300.00	19.37	358.65	7,281.68	-328.50	8.53	-328.61	8.00	8.00	-0.01
7,350.00	23.37	358.65	7,328.23	-310.28	8.10	-310.39	8.00	8.00	-0.01
7,400.00	27.37	358.64	7,373.40	-288.87	7.60	-288.97	8.00	8.00	-0.01
7,450.00	31.37	358.64	7,416.96	-264.35	7.02	-264.45	8.00	8.00	0.00
7,500.00	35.37	358.64	7,458.71	-236.86	6.36	-236.95	8.00	8.00	0.00
7,550.00	39.37	358.64	7,498.44	-206.53	5.64	-206.60	8.00	8.00	0.00
7,600.00	43.37	358.64	7,535.95	-173.49	4.86	-173.56	8.00	8.00	0.00
7,650.00	47.37	358.64	7,571.07	-137.93	4.01	-137.98	8.00	8.00	0.00
7,700.00	51.37	358.63	7,603.62	-100.00	3.10	-100.04	8.00	8.00	0.00
7,750.00	55.37	358.63	7,633.44	-59.89	2.15	-59.92	8.00	8.00	0.00
7,800.00	59.37	358.63	7,660.39	-17.80	1.14	-17.82	8.00	8.00	0.00
7,850.00	63.37	358.63	7,684.34	26.07	0.10	26.06	8.00	8.00	0.00
7,900.00	67.37	358.63	7,705.17	71.50	-0.99	71.50	8.00	8.00	0.00
7,950.00	71.37	358.63	7,722.78	118.27	-2.11	118.29	8.00	8.00	0.00
8,000.00	75.37	358.63	7,737.09	166.16	-3.25	166.19	8.00	8.00	0.00
8,050.00	79.37	358.63	7,748.01	214.92	-4.42	214.97	8.00	8.00	0.00
8,100.00	83.37	358.63	7,755.51	264.33	-5.60	264.39	8.00	8.00	0.00
8,150.00	87.37	358.63	7,759.54	314.15	-6.79	314.22	8.00	8.00	0.00
8,182.83	90.00	358.63	7,760.30	346.96	-7.58	347.04	8.00	8.00	0.00
Start 4027.75 hold at 8182.83 MD									
8,200.00	90.00	358.63	7,760.30	364.12	-7.99	364.21	0.00	0.00	0.00
8,300.00	90.00	358.63	7,760.30	464.09	-10.38	464.21	0.00	0.00	0.00
8,400.00	90.00	358.63	7,760.30	564.06	-12.77	564.21	0.00	0.00	0.00
8,500.00	90.00	358.63	7,760.30	664.03	-15.17	664.21	0.00	0.00	0.00
8,600.00	90.00	358.63	7,760.30	764.00	-17.56	764.21	0.00	0.00	0.00
8,700.00	90.00	358.63	7,760.30	863.98	-19.95	864.21	0.00	0.00	0.00
8,800.00	90.00	358.63	7,760.30	963.95	-22.35	964.21	0.00	0.00	0.00
8,900.00	90.00	358.63	7,760.30	1,063.92	-24.74	1,064.21	0.00	0.00	0.00

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Peaches 19 Fed 3H
Company:	OXY	TVD Reference:	KB @ 3195.30usft (H&P 474)
Project:	Eddy County NM (NAD 27 NME)	MD Reference:	KB @ 3195.30usft (H&P 474)
Site:	Peaches 19 Fed 3H	North Reference:	Grid
Well:	Peaches 19 Fed 3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #2		

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)	
9,000.00	90.00	358.63	7,760.30	1,163.89	-27.13	1,164.21	0.00	0.00	0.00	
9,100.00	90.00	358.63	7,760.30	1,263.86	-29.53	1,264.21	0.00	0.00	0.00	
9,200.00	90.00	358.63	7,760.30	1,363.83	-31.92	1,364.21	0.00	0.00	0.00	
9,300.00	90.00	358.63	7,760.30	1,463.80	-34.32	1,464.21	0.00	0.00	0.00	
9,400.00	90.00	358.63	7,760.30	1,563.78	-36.71	1,564.21	0.00	0.00	0.00	
9,500.00	90.00	358.63	7,760.30	1,663.75	-39.10	1,664.21	0.00	0.00	0.00	
9,600.00	90.00	358.63	7,760.30	1,763.72	-41.50	1,764.21	0.00	0.00	0.00	
9,700.00	90.00	358.63	7,760.30	1,863.69	-43.89	1,864.21	0.00	0.00	0.00	
9,800.00	90.00	358.63	7,760.30	1,963.66	-46.28	1,964.21	0.00	0.00	0.00	
9,900.00	90.00	358.63	7,760.30	2,063.63	-48.68	2,064.21	0.00	0.00	0.00	
10,000.00	90.00	358.63	7,760.30	2,163.60	-51.07	2,164.21	0.00	0.00	0.00	
10,100.00	90.00	358.63	7,760.30	2,263.58	-53.46	2,264.21	0.00	0.00	0.00	
10,200.00	90.00	358.63	7,760.30	2,363.55	-55.86	2,364.21	0.00	0.00	0.00	
10,300.00	90.00	358.63	7,760.30	2,463.52	-58.25	2,464.21	0.00	0.00	0.00	
10,400.00	90.00	358.63	7,760.30	2,563.49	-60.64	2,564.21	0.00	0.00	0.00	
10,500.00	90.00	358.63	7,760.30	2,663.46	-63.04	2,664.21	0.00	0.00	0.00	
10,600.00	90.00	358.63	7,760.30	2,763.43	-65.43	2,764.21	0.00	0.00	0.00	
10,700.00	90.00	358.63	7,760.30	2,863.40	-67.82	2,864.21	0.00	0.00	0.00	
10,800.00	90.00	358.63	7,760.30	2,963.37	-70.22	2,964.21	0.00	0.00	0.00	
10,900.00	90.00	358.63	7,760.30	3,063.35	-72.61	3,064.21	0.00	0.00	0.00	
11,000.00	90.00	358.63	7,760.30	3,163.32	-75.00	3,164.21	0.00	0.00	0.00	
11,100.00	90.00	358.63	7,760.30	3,263.29	-77.40	3,264.21	0.00	0.00	0.00	
11,200.00	90.00	358.63	7,760.30	3,363.26	-79.79	3,364.21	0.00	0.00	0.00	
11,300.00	90.00	358.63	7,760.30	3,463.23	-82.19	3,464.21	0.00	0.00	0.00	
11,400.00	90.00	358.63	7,760.30	3,563.20	-84.58	3,564.21	0.00	0.00	0.00	
11,500.00	90.00	358.63	7,760.30	3,663.17	-86.97	3,664.21	0.00	0.00	0.00	
11,600.00	90.00	358.63	7,760.30	3,763.15	-89.37	3,764.21	0.00	0.00	0.00	
11,700.00	90.00	358.63	7,760.30	3,863.12	-91.76	3,864.21	0.00	0.00	0.00	
11,800.00	90.00	358.63	7,760.30	3,963.09	-94.15	3,964.21	0.00	0.00	0.00	
11,900.00	90.00	358.63	7,760.30	4,063.06	-96.55	4,064.21	0.00	0.00	0.00	
12,000.00	90.00	358.63	7,760.30	4,163.03	-98.94	4,164.21	0.00	0.00	0.00	
12,060.58	90.00	358.63	7,760.30	4,223.59	-100.39	4,224.79	0.00	0.00	0.00	
HL Exit Point										
12,100.00	90.00	358.63	7,760.30	4,263.00	-101.33	4,264.21	0.00	0.00	0.00	
12,200.00	90.00	358.63	7,760.30	4,362.97	-103.73	4,364.21	0.00	0.00	0.00	
12,210.59	90.00	358.63	7,760.30	4,373.56	-103.98	4,374.80	0.00	0.00	0.00	
TD at 12210.59										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (bearing)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Eastings (usft)	Latitude	Longitude	
P19F 3H BHL	0.00	0.00	7,760.30	4,373.56	-103.98	408,138.46	531,658.82	32° 7' 19.372 N	104° 13' 51.854 W	
- plan hits target center										
- Point										

Planning Report

Database:	Midland District	Local Co-ordinate Reference:	Well Peaches 19 Fed 3H
Company:	OXY	TVD Reference:	KB @ 3195.30usft (H&P 474)
Project:	Eddy County, NM (NAD 27 NME)	MD Reference:	KB @ 3195.30usft (H&P 474)
Site:	Peaches 19 Fed 3H	North Reference:	Grid
Well:	Peaches 19 Fed 3H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Wellbore		
Design:	Design #2		

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N-S (usft)	+E-W (usft)	
2,000.00	2,000.00	0.00	0.00	Start Build 2.00
2,215.00	2,214.80	-8.06	0.21	Start 4789.08 hold at 2215.00 MD
7,004.08	6,990.40	-367.02	9.42	Start DLS 8.00 TFO -179.90
8,182.83	7,760.30	346.96	-7.58	Start 4027.76 hold at 8182.83 MD
12,060.58	7,760.30	4,223.59	-100.39	HL Exit Point
12,210.59	7,760.30	4,373.56	-103.98	TD at 12210.59