

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION
ARTESIA DISTRICT

JUN 18 2014

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS RECEIVED**
*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		8. Well Name and No. PEACHES 19 FEDERAL 2H
2. Name of Operator OXY USA INCORPORATED		9. API Well No. 30-015-42362-00-X1
3a. Address 5 GREENWAY PLAZA STE 110 HOUSTON, TX 77046-0521	3b. Phone No. (include area code) Ph: 432.685.5717	10. Field and Pool, or Exploratory COTTONWOOD DRAW
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T25S R27E SESE 90FSL 642FEL 32.122584 N Lat, 104.222323 W Lon		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 recompleat 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:

- ? Extend the BHL 150' past the south hardline to allow for our shoe track and perforating guns, see attached for amended C-102 plat.
- ? Add 2 degree build after intermediate shoe to move well into Oxy lease, then drop to vertical before KOP, see attached for amended directional drilling plan.
- ? Removal of DV tool from production casing string ? replace with Tuned Light cement slurry and change lead cement slurry

Production Casing

5-1/2" 17# L-80 BT&C new csg @ 0-12633'M, 7-7/8" hole w/ 9.2# mud

Original COA still stands with the following drilling modification:

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

Committed to

Sundry approved as written; 5-1/2 inch production casing will now be cemented as a single stage with tuned light cement.
DV Tool removed

Name (Printed/Typed) DAVID STEWART

Title REGULATORY ADVISOR

Signature (Electronic Submission)

Date 06/06/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ

Title PETROLEUM ENGINEER

Date 06/18/2014

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 #248667 that would not fit on the form

32. Additional remarks, continued

Coll Rating (psi)-6285 Burst Rating (psi)-7738
SF Coll-2.32 SF Burst-1.65 SF Ten-2.08

Collapse and burst loads calculated using Stress Check with anticipated loads, see attached for design assumptions

Cement program modifications detailed below.

Production - Cement w/ 430sx Tuned Light (TM) System w/ 1#/sx Cal-Seal 60 + 25#/sx Q-Cel ONG 52 + 1.5#/sx NaCl + .2#/sx FWCA + .3#/sx CFR-3 + .8% HR-601 + 3#/sx Kol-Seal + .35#/sx Halad-9 + .125#/sx Poly-E-Flake, 9.76ppg 3.45 yield 550# 24hr CS 100% Excess followed by 910sx Super H cmt w/ 3#/sx salt + .4% CFR-3 + .5% Halad-344 + .125#/sx Poly-E-Flake + .2% HR-800, 13.2ppg 1.64.yield 1275# 24hr CS 40% Excess, Calc TOC @ 1000'

Description of Cement Additives: Cal-Seal-60, Salt, Sodium Chloride (Accelerator); CFR-3 (Dispersant); FWCA (Free Water Additive); Q Cel ON 52 (Light Weight Additive); Kol-Seal, Poly-E-Flake (Lost Circulation Additive); Halad-9, Halad-344 (Low Fluid Loss Control); HR-601, HR-800 (Retarder)

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

Mud Program

Depth 7000-12633' - Mud Wt. 9.0-9.2ppg - Vis 28-34 sec - Fluid Loss <18 -
Type System Cut Brine/Sweeps

Drilling Engineer - R. Chan Tysor - W-713-513-6668 - C-832-564-6454

District I
1625 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 Bravo Road, Aztec, NM 87410
Phone: (505) 334-6170 Fax: (505) 334-6170
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 30-015-42362	Pool Code 97494	Pool Name Cottonwood Draw Bone Spring
Property Code 39207	Property Name PEACHES "19" FEDERAL	Well Number 2H
OGRID No. 116696	Operator Name OXY USA INC.	Elevation 3168.0'

Surface Location

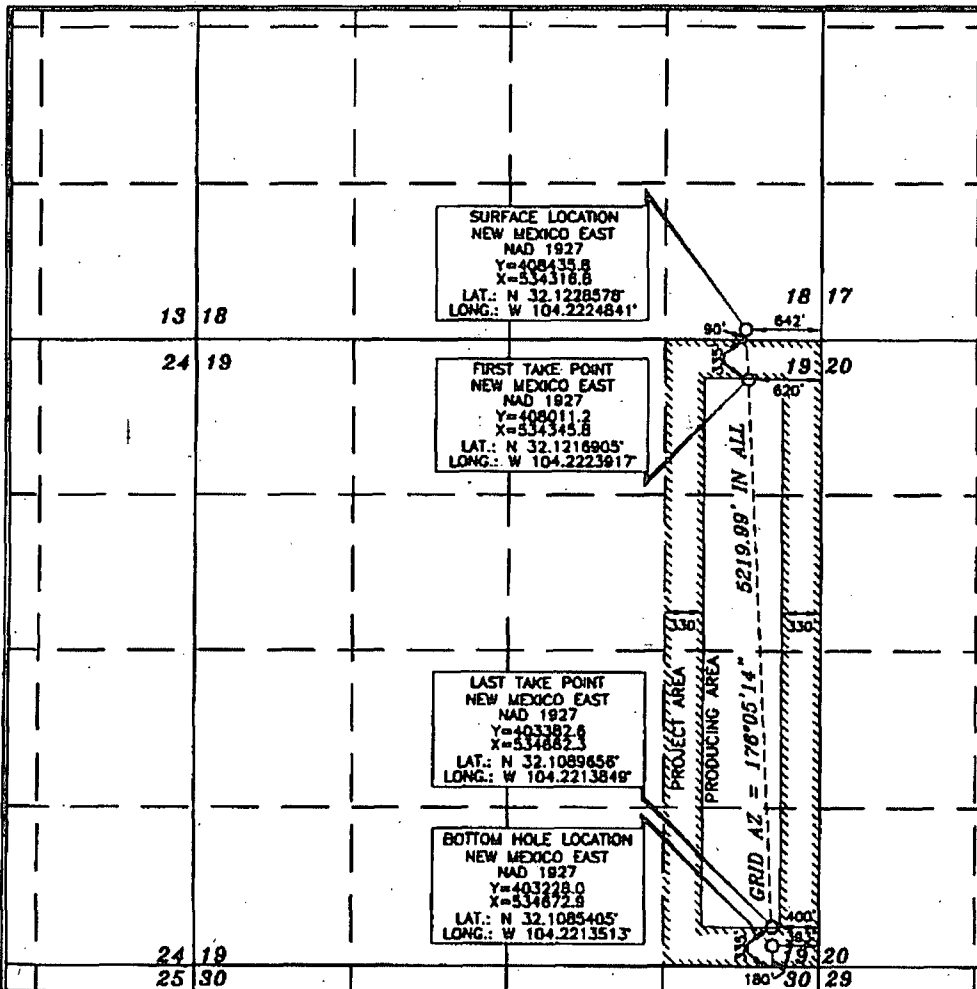
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	18	25 SOUTH	27 EAST, N.M.P.M.		90'	SOUTH	642'	EAST	EDDY

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
P	19	25 SOUTH	27 EAST, N.M.P.M.		180'	SOUTH	393'	EAST	EDDY

Dedicated Acres 160	Joint or Infill N	Consolidation Code	Order No.
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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 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 heretofore entered by the division.

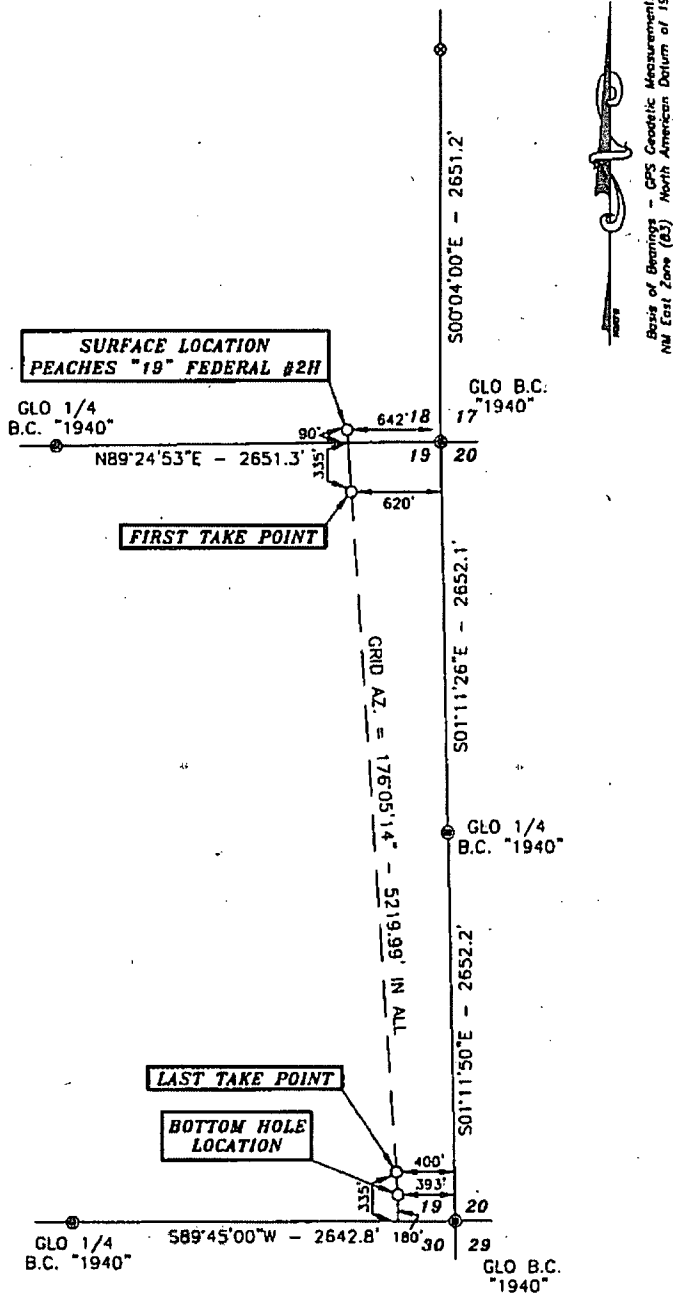
[Signature] 6/6/14
David Stewart SR. Reg. A.D.O.
Printed Name
david_stewart@oxy.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the information shown on this plat was prepared by a duly qualified and licensed surveyor made by me or under my supervision and that the same is true and correct to the best of my belief.

Date of Survey
[Signature]
Professional Surveyor
Certificate Number 15079

SECTIONS 18 & 19, TOWNSHIP 25 SOUTH, RANGE 27 EAST, N.M.P.M.,
EDDY COUNTY
NEW MEXICO



DRIVING DIRECTIONS:
BEGINNING AT THE INTERSECTION OF
U.S. HWY. #285 AND EDDY COUNTY
ROAD #720 (BLACK RIVER VILLAGE
ROAD), GO WEST ON EDDY COUNTY
ROAD #720 FOR 9.1 MILES, TURN
LEFT ON EDDY COUNTY ROAD #742
(JOHN D. FOREHAND ROAD) AND GO
SOUTH FOR 8.2 MILES, TURN LEFT
ON CALICHE ROAD AND GO
NORTHEAST FOR 0.3 MILES, TURN
LEFT AND GO NORTHEAST FOR 0.5
MILES, CONTINUE SOUTHEAST AND
NORTHEAST ON PROPOSED ROAD FOR
2372.4 FEET TO LOCATION.



SURVEYORS CERTIFICATE

I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR
NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM
RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND
BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR
SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW
MEXICO STATE BOARD OF REGISTRATION FOR
PROFESSIONAL ENGINEERS AND SURVEYORS.

Terry J. Asel 3/30/2014
Terry J. Asel N.M. R.P.L.S. No. 15079

Asel Surveying



P.O. BOX 393 - 310 W. TAYLOR
HOBBS, NEW MEXICO - 575-393-9148

LEGEND
● - DENOTES FOUND MONUMENT AS NOTED
○ - DENOTES CALCULATED CORNER

1000' 0 1000' 2000' FEET
SCALE: 1"=1000'

OXY USA INC.

PEACHES "19" FEDERAL #2H LOCATED AT
90' FSL & 642' FEL IN SECTION 18,
TOWNSHIP 25 SOUTH, RANGE 27 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO

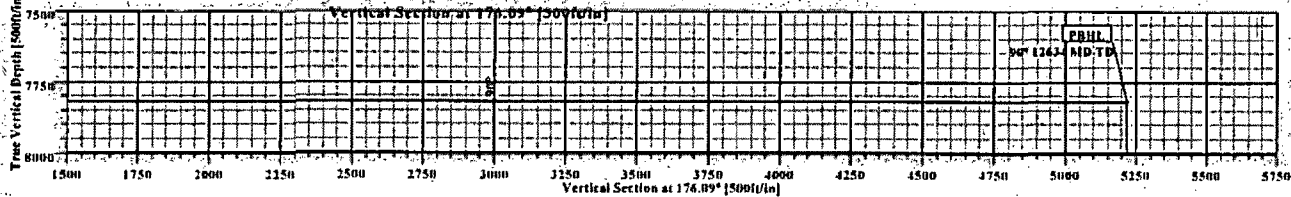
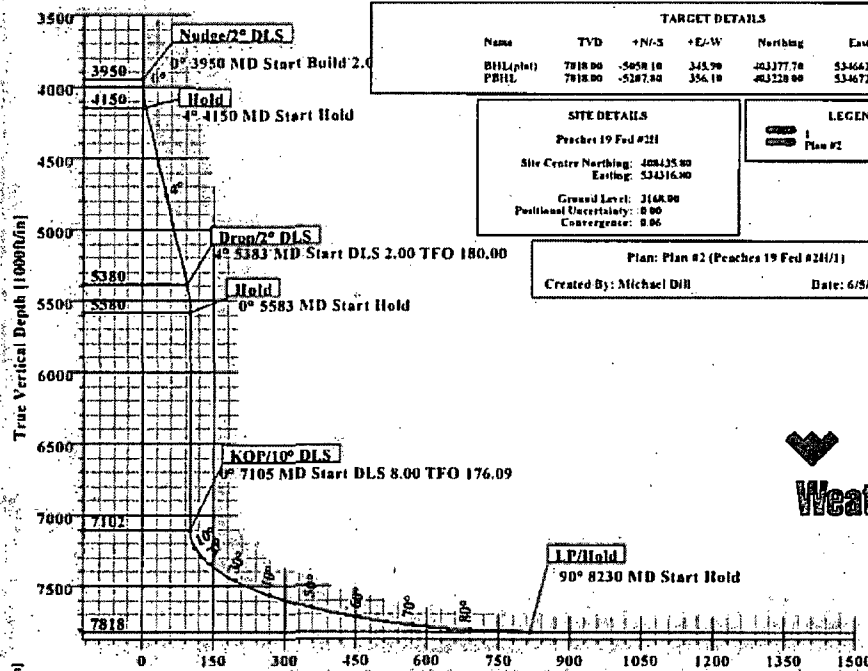
Survey Date: 08/01/13	Sheet 1 of 1 Sheets
W.O. Number: 121018WL-c (Rev. G)	Drawn By: KA Rev: G
Date: 05/30/14	121018WL-c Scale: 1"=1000'



Occidental Permian Ltd.

Peaches 19 Fed #2H
Eddy Co, New Mexico

KB ELEV: 3193.00
GLE ELEV: 3168.00



SECTION DETAILS									
Sec	MD	Inc	Alt	TVD	+N/S	+E/W	DLog	Tfare	VSec Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	3950.00	0.00	0.00	3950.00	0.00	0.00	0.00	0.00	0.00
3	4150.00	4.00	176.09	4149.84	-4.96	0.48	2.00	176.09	4.96
4	5383.50	4.00	176.09	5380.33	-92.81	6.34	0.00	0.00	93.62
5	5583.50	0.00	0.00	5580.17	-99.77	6.82	2.00	180.00	100.00
6	7105.13	0.00	0.00	7101.80	-99.77	6.82	0.00	0.00	180.00
7	8230.13	90.00	176.09	7818.00	-814.30	55.64	0.00	176.09	814.20
8	12633.89	90.00	176.09	7818.00	-5207.80	356.10	0.00	0.00	5219.96

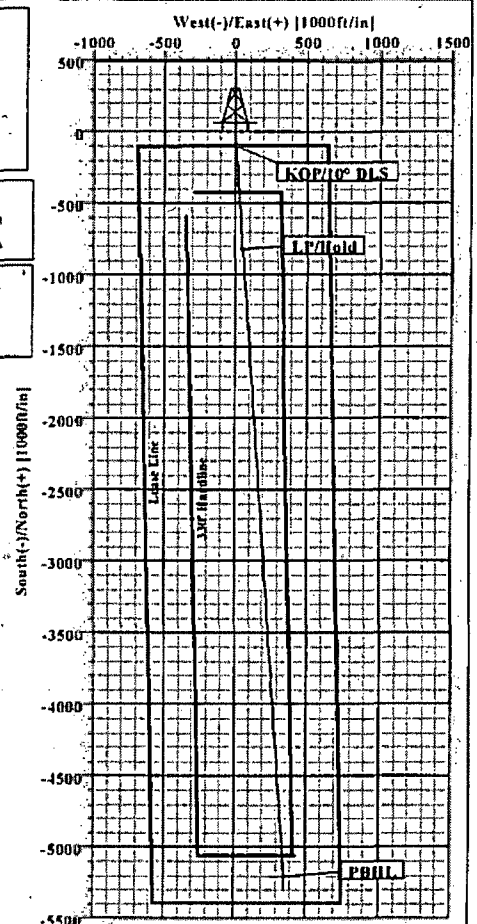
WELL DETAILS						
Name	+N/S	+E/W	Northing	Eastng	Latitude	Longitude
Peaches 19 Fed #2H	0.00	0.00	408435.00	534316.00	32°07'22.20"N	104°13'20.94"W

TARGET DETAILS						
Name	TVD	+N/S	+E/W	Northing	Eastng	Shape
BHL(plot)	7818.00	-5058.10	345.90	403377.70	534662.70	Point
PBHL	7818.00	-5207.80	356.10	403320.00	534672.90	Point

SITE DETAILS	
Peaches 19 Fed #2H	
Site Centre Northing:	408435.00
Eastng:	534316.00
Ground Level:	3168.00
Positional Uncertainty:	0.00
Convergence:	0.00

LEGEND	
1	Plan #1
2	Plan #2

Plan: Plan #2 (Peaches 19 Fed #2H/1)
Created By: Michael Dill Date: 6/8/2014





Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 6/5/2014	Time: 07:30:43	Page: 1
Field: Eddy Co., NM (Nad 27)	Co-ordinate (NE) Reference:	Well: Peaches 19 Fed #2H	Grid: North
Site: Peaches 19 Fed #2H	Vertical (TYD) Reference:	SITE 3193.0	
Well: Peaches 19 Fed #2H	Section (VS) Reference:	Well (0.00N, 0.00E, 176.09Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Plan: Plan #2	Date Composed: 6/4/2014
Principal: No	Version: 1
	Tied-to: User Defined

Site: Peaches 19 Fed #2H
Site Position: Northing: 408435.80 ft Latitude: 32 7 22.289 N
From: Map Easting: 534316.80 ft Longitude: 104 13 20.943 W
Position Uncertainty: 0.00 ft North Reference: Grid
Ground Level: 3168.00 ft Grid Convergence: 0.06 deg

Well: Peaches 19 Fed #2H				Slot Name:			
Well Position:	+N/-S	0.00 ft	Northing:	408435.80 ft	Latitude:	32 7 22.289 N	
	+E/-W	0.00 ft	Easting :	534316.80 ft	Longitude:	104 13 20.943 W	
Position Uncertainty:		0.00 ft					

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 5/15/2013	Above System Datum: Mean Sea Level
Field Strength: 48317 nT	Declination: 7.64 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 59.93 deg
ft	+N/-S ft
	+E/-W ft
	Direction deg
7818.00	0.00
	0.00
	176.09

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3950.00	0.00	0.00	3950.00	0.00	0.00	0.00	0.00	0.00	0.00	
4150.00	4.00	176.09	4149.84	-6.96	0.48	2.00	2.00	0.00	176.09	
5383.50	4.00	176.09	5380.33	-92.81	6.34	0.00	0.00	0.00	0.00	
5583.50	0.00	0.00	5580.17	-99.77	6.82	2.00	-2.00	-88.05	180.00	
7105.13	0.00	0.00	7101.80	-99.77	6.82	0.00	0.00	0.00	0.00	
8230.13	90.00	176.09	7818.00	-814.30	55.68	8.00	8.00	15.65	176.09	
12633.89	90.00	176.09	7818.00	-5207.80	356.10	0.00	0.00	0.00	0.00	PBHL

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	408435.80	534316.80	



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company: Occidental Petroleum Ltd.	Date: 6/5/2014	Time: 07:30:43	Page: 2
Field: Eddy Co NM (Nad 27)	Co-ordinate (NE) Reference: Well: Peaches 19 Fed #2H Grid North		
Site: Peaches 19 Fed #2H	Vertical (TVD) Reference: SITE 3193.0		
Well: Peaches 19 Fed #2H	Section (VS) Reference: Well (0.00N, 0.00E, 176.09Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

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
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	408435.80	534316.80	
3950.00	0.00	0.00	3950.00	0.00	0.00	0.00	0.00	408435.80	534316.80	Nudge/2" DLS
4000.00	1.00	176.09	4000.00	-0.44	0.03	0.44	2.00	408435.36	534316.83	
4100.00	3.00	176.09	4099.93	-3.92	0.27	3.93	2.00	408431.88	534317.07	
4150.00	4.00	176.09	4149.84	-6.96	0.48	6.98	2.00	408428.84	534317.28	Hold
4200.00	4.00	176.09	4199.72	-10.44	0.71	10.47	0.00	408425.36	534317.51	
4300.00	4.00	176.09	4299.47	-17.40	1.19	17.44	0.00	408418.40	534317.99	
4400.00	4.00	176.09	4399.23	-24.36	1.67	24.42	0.00	408411.44	534318.47	
4500.00	4.00	176.09	4498.98	-31.32	2.14	31.39	0.00	408404.48	534318.94	
4600.00	4.00	176.09	4598.74	-38.28	2.62	38.37	0.00	408397.52	534319.42	
4700.00	4.00	176.09	4698.50	-45.24	3.09	45.34	0.00	408390.56	534319.89	
4800.00	4.00	176.09	4798.25	-52.20	3.57	52.32	0.00	408383.60	534320.37	
4900.00	4.00	176.09	4898.01	-59.16	4.04	59.30	0.00	408376.64	534320.84	
5000.00	4.00	176.09	4997.77	-66.12	4.52	66.27	0.00	408369.68	534321.32	
5100.00	4.00	176.09	5097.52	-73.08	4.99	73.25	0.00	408362.72	534321.79	
5200.00	4.00	176.09	5197.28	-80.04	5.47	80.22	0.00	408355.76	534322.27	
5300.00	4.00	176.09	5297.04	-87.00	5.95	87.20	0.00	408348.80	534322.75	
5383.50	4.00	176.09	5380.33	-92.81	6.34	93.02	0.00	408342.99	534323.14	Drop/2" DLS
5400.00	3.67	176.09	5396.80	-93.91	6.42	94.13	2.00	408341.89	534323.22	
5500.00	1.67	176.09	5496.68	-98.55	6.74	98.78	2.00	408337.25	534323.54	
5583.50	0.00	0.00	5580.17	-99.77	6.82	100.00	2.00	408336.03	534323.62	Hold
5600.00	0.00	0.00	5596.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
5700.00	0.00	0.00	5696.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
5800.00	0.00	0.00	5796.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
5900.00	0.00	0.00	5896.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
6000.00	0.00	0.00	5996.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
6100.00	0.00	0.00	6096.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
6200.00	0.00	0.00	6196.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
6300.00	0.00	0.00	6296.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
6400.00	0.00	0.00	6396.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
6500.00	0.00	0.00	6496.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
6600.00	0.00	0.00	6596.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
6700.00	0.00	0.00	6696.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company:	Occidental Permian Ltd	Date:	6/5/2014	Time:	07:30:43	Page:	3
Field:	Eddy Co NM (Nad 27)	Co-ordinate (NE) Reference:	Well: Peaches 19 Fed #2H	Grid:	North		
Site:	Peaches 19 Fed #2H	Vertical (TVD) Reference:	SITE 3193.0				
Well:	Peaches 19 Fed #2H	Section (VS) Reference:	Well (0.00N, 0.00E, 176.09Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature	Db:	Sybase		

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
6800.00	0.00	0.00	6796.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
6900.00	0.00	0.00	6896.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
7000.00	0.00	0.00	6996.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
7100.00	0.00	0.00	7096.67	-99.77	6.82	100.00	0.00	408336.03	534323.62	
7105.13	0.00	0.00	7101.80	-99.77	6.82	100.00	0.00	408336.03	534323.62	KOP/10° DLS
7200.00	7.59	176.09	7196.39	-106.03	7.25	106.28	8.00	408329.77	534324.05	
7300.00	15.59	176.09	7294.27	-126.06	8.62	126.35	8.00	408309.74	534325.42	
7400.00	23.59	176.09	7388.41	-159.48	10.90	159.85	8.00	408276.32	534327.70	
7500.00	31.59	176.09	7476.97	-205.65	14.06	206.13	8.00	408230.15	534330.86	
7600.00	39.59	176.09	7558.22	-263.66	18.03	264.28	8.00	408172.14	534334.83	
7700.00	47.59	176.09	7630.59	-332.39	22.73	333.17	8.00	408103.41	534339.53	
7800.00	55.59	176.09	7692.67	-410.51	28.07	411.46	8.00	408025.29	534344.87	
7900.00	63.59	176.09	7743.25	-496.48	33.95	497.64	8.00	407939.32	534350.75	
8000.00	71.59	176.09	7781.34	-588.63	40.25	590.01	8.00	407847.17	534357.05	
8100.00	79.59	176.09	7806.21	-685.18	46.85	686.78	8.00	407750.62	534363.65	
8200.00	87.59	176.09	7817.36	-784.25	53.62	786.08	8.00	407651.55	534370.42	
8230.13	90.00	176.09	7818.00	-814.30	55.68	816.20	8.00	407621.50	534372.48	LP/Hold
8300.00	90.00	176.09	7818.00	-884.00	60.44	886.07	0.00	407551.80	534377.24	
8400.00	90.00	176.09	7818.00	-983.77	67.27	986.07	0.00	407452.03	534384.07	
8500.00	90.00	176.09	7818.00	-1083.54	74.09	1086.07	0.00	407352.26	534390.89	
8600.00	90.00	176.09	7818.00	-1183.31	80.91	1186.07	0.00	407252.49	534397.71	
8700.00	90.00	176.09	7818.00	-1283.07	87.73	1286.07	0.00	407152.73	534404.53	
8800.00	90.00	176.09	7818.00	-1382.84	94.55	1386.07	0.00	407052.96	534411.35	
8900.00	90.00	176.09	7818.00	-1482.61	101.38	1486.07	0.00	406953.19	534418.18	
9000.00	90.00	176.09	7818.00	-1582.37	108.20	1586.07	0.00	406853.43	534425.00	
9100.00	90.00	176.09	7818.00	-1682.14	115.02	1686.07	0.00	406753.66	534431.82	
9200.00	90.00	176.09	7818.00	-1781.91	121.84	1786.07	0.00	406653.89	534438.64	
9300.00	90.00	176.09	7818.00	-1881.68	128.66	1886.07	0.00	406554.12	534445.46	
9400.00	90.00	176.09	7818.00	-1981.44	135.49	1986.07	0.00	406454.36	534452.29	
9500.00	90.00	176.09	7818.00	-2081.21	142.31	2086.07	0.00	406354.59	534459.11	
9600.00	90.00	176.09	7818.00	-2180.98	149.13	2186.07	0.00	406254.82	534465.93	
9700.00	90.00	176.09	7818.00	-2280.74	155.95	2286.07	0.00	406155.06	534472.75	
9800.00	90.00	176.09	7818.00	-2380.51	162.77	2386.07	0.00	406055.29	534479.57	
9900.00	90.00	176.09	7818.00	-2480.28	169.60	2486.07	0.00	405955.52	534486.40	
10000.00	90.00	176.09	7818.00	-2580.04	176.42	2586.07	0.00	405855.76	534493.22	
10100.00	90.00	176.09	7818.00	-2679.81	183.24	2686.07	0.00	405755.99	534500.04	
10200.00	90.00	176.09	7818.00	-2779.58	190.06	2786.07	0.00	405656.22	534506.86	
10300.00	90.00	176.09	7818.00	-2879.35	196.88	2886.07	0.00	405556.45	534513.68	
10400.00	90.00	176.09	7818.00	-2979.11	203.71	2986.07	0.00	405456.69	534520.51	
10500.00	90.00	176.09	7818.00	-3078.88	210.53	3086.07	0.00	405356.92	534527.33	
10600.00	90.00	176.09	7818.00	-3178.65	217.35	3186.07	0.00	405257.15	534534.15	
10700.00	90.00	176.09	7818.00	-3278.41	224.17	3286.07	0.00	405157.39	534540.97	
10800.00	90.00	176.09	7818.00	-3378.18	230.99	3386.07	0.00	405057.62	534547.79	
10900.00	90.00	176.09	7818.00	-3477.95	237.81	3486.07	0.00	404957.85	534554.61	
11000.00	90.00	176.09	7818.00	-3577.71	244.64	3586.07	0.00	404858.09	534561.44	
11100.00	90.00	176.09	7818.00	-3677.48	251.46	3686.07	0.00	404758.32	534568.26	
11200.00	90.00	176.09	7818.00	-3777.25	258.28	3786.07	0.00	404658.55	534575.08	
11300.00	90.00	176.09	7818.00	-3877.02	265.10	3886.07	0.00	404558.78	534581.90	
11400.00	90.00	176.09	7818.00	-3976.78	271.92	3986.07	0.00	404459.02	534588.72	
11500.00	90.00	176.09	7818.00	-4076.55	278.75	4086.07	0.00	404359.25	534595.55	
11600.00	90.00	176.09	7818.00	-4176.32	285.57	4186.07	0.00	404259.48	534602.37	
11700.00	90.00	176.09	7818.00	-4276.08	292.39	4286.07	0.00	404159.72	534609.19	
11800.00	90.00	176.09	7818.00	-4375.85	299.21	4386.07	0.00	404059.95	534616.01	



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	6/5/2014	Time:	07:30:43	Page:	4
Field:	Eddy Co NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Peaches 19 Fed #2H, Grid North				
Site:	Peaches 19 Fed #2H	Vertical (TVD) Reference:	SITE 3193.0				
Well:	Peaches 19 Fed #2H	Section (VS) Reference:	Well (0.00N, 0.00E, 176.09Azi)				
Wellpath:	1	Survey Calculation Method:	Minimum Curvature			Db:	Sybase

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
11900.00	90.00	176.09	7818.00	-4475.62	306.03	4486.07	0.00	403960.18	534622.83	
12000.00	90.00	176.09	7818.00	-4575.39	312.86	4586.07	0.00	403860.41	534629.66	
12100.00	90.00	176.09	7818.00	-4675.15	319.68	4686.07	0.00	403760.65	534636.48	
12200.00	90.00	176.09	7818.00	-4774.92	326.50	4786.07	0.00	403660.88	534643.30	
12300.00	90.00	176.09	7818.00	-4874.69	333.32	4886.07	0.00	403561.11	534650.12	
12400.00	90.00	176.09	7818.00	-4974.45	340.14	4986.07	0.00	403461.35	534656.94	
12500.00	90.00	176.09	7818.00	-5074.22	346.97	5086.07	0.00	403361.58	534663.77	
12600.00	90.00	176.09	7818.00	-5173.99	353.79	5186.07	0.00	403261.81	534670.59	
12633.89	90.00	176.09	7818.00	-5207.80	356.10	5219.96	0.00	403228.00	534672.90	PBHL

Targets

Name	Description Dip	Dir	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg/Min/Sec	Longitude Deg/Min/Sec
BHL(plat)			7818.00	-5058.10	345.90	403377.70	534662.70	32 6 32.227 N	104 13 16.981 W
PBHL			7818.00	-5207.80	356.10	403228.00	534672.90	32 6 30.746 N	104 13 16.865 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Annotation

MD ft	TVD ft	
3950.00	3950.00	Nudge/2° DLS
4150.00	4149.84	Hold
5383.50	5380.33	Drop/2° DLS
5583.50	5580.17	Hold
7105.13	7101.80	KOP/10° DLS
8230.13	7818.00	LP/hold
12633.89	7818.00	PBHL

OXY USA Inc.
Peaches 19 Federal #2H – 30-015-42362

Casing Design Assumptions:

Burst Loads

CSG Test (Production)

- Internal: Displacement fluid + 80% CSG Burst rating
- External: Pore Pressure from the well TD to the Intermediate CSG shoe and MW of the drilling mud that was in the hole when the CSG was run to surface

Stimulation (Production)

- Internal: Displacement fluid + Max Frac treating pressure (not to exceed 80% CSG Burst rating)
- External: Pore Pressure from the well TD to the Intermediate CSG shoe and 8.5 ppg MWE to surface

Collapse Loads

Cementing (Surface/Intermediate/Production)

- Internal: Displacement Fluid
- External: Cement Slurries to TOC, MW to surface

Full Evacuation (Production)

- Internal: Atmospheric Pressure
- External: MW of the drilling mud that was in the hole when the CSG was run

Tension Loads

Running CSG (Surface/Intermediate/Production)

- Axial load of the buoyant weight of the string plus either 100 klb over-pull or string weight in air, whichever is less

Green Cement (Surface/Intermediate/Production)

- Axial load of the buoyant weight of the string plus the cement plug bump pressure (Final displacement pressure + 500 psi)

Burst, Collapse and Tensile SF are calculated using Landmark's Stress Check (Casing Design) software.