

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM
87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

HOBBS OCE
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
DEC 09 2013 Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-41498
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator OXY USA WTP Limited Partnership		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 50250 Midland, TX 79710		7. Lease Name or Unit Agreement Name Anderson 35
4. Well Location Unit Letter <u>M</u> : <u>660</u> feet from the <u>South</u> line and <u>150</u> feet from the <u>West</u> line Section <u>35</u> Township <u>21S</u> Range <u>32E</u> NMPM County <u>Lea</u>		8. Well Number <u>2H</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>3687.9'</u>		9. OGRID Number 192463
		10. Pool name or Wildcat Bilbrey Delaware

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐
CLOSED-LOOP SYSTEM ☐
OTHER: Amend APD ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

OXY USA WTP LP respectfully requests approval for the following changes to the drilling permit. The well objective has been changed from a 2nd Bone Spring horizontal to Delaware Brushy Canyon horizontal. The pilot-hole will be eliminated and the new lateral depth will be 13082'TMD / 8598'TVD. The production casing and cementing program has been adjusted to the new proposed depth. The surface and intermediate casing and cement program will remain the same as originally permitted. See attached for additional information.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE David Stewart TITLE Sr. Regulatory Advisor DATE 12/4/13

Type or print name David Stewart E-mail address: david_stewart@oxy.com PHONE: 432-685-5717

For State Use Only

APPROVED BY: David Stewart TITLE Petroleum Engineer DATE DEC 10 2013

Conditions of Approval (if any):

DEC 10 2013

Amended APD

Operator Name/Number:	OXY USA WTP LP	192463
Lease Name/Number:	Anderson 35 #2H	Fee
Pool Name/Number:	Bilbrey Delaware	5698
Surface Location:	660 FSL 150 FWL M Sec 35 T21S R32E	
Penetration Point:	660 FSL 330 FWL M Sec 35 T21S R32E	
Bottom Hole Location:	660 FSL 330 FEL P Sec 35 T21S R32E	

C-102 Plats: 3/21/13 6/7/13 11/5/13 Elevation: 3687.9' GL Objective: 2 Brushy Canyon

Proposed TD:	Horizontal Lateral	8598'	TVD	13082'	TMD	
SL - Lat: 32.4297114	Long: 103.6530867		X=709885.6	Y=520711.1		NAD - 1927
PP - Lat: 32.4297137	Long: 103.6525033		X=710065.6	Y=520713.1		NAD - 1927
BH - Lat: 32.42977149	Long: 103.6375271		X=714686.4	Y=520764.0		NAD - 1927

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>
7-7/8"	0-13082'	5-1/2"	17	BT&C	P-110	New	1.45	1.22	2.11
				Hole filled with 9.2# Mud			7480#	10640#	

Collapse and burst loads calculated using Stress Check with anticipated loads

Cement Program:

5-1/2" Production Cement w/ 480sx PP cmt w/ 14.8#/sx Silicalite 50/50 Blend + 15#/sx Scotchlite HGS-6000 + 3#/sx Kol-Seal + .125#/sx Poly-E-Flake + .25#/sx HR-800, 10.2ppg 2.95 yield 947# 24hr CS 100% Excess followed by 780sx Super H cmt w/ 3#/sx salt + .4% CFR-3 + .5% Halad-344 + .2% HR-601 + .125#/sx Poly-E-Flake + 3#/sx Kol-Seal, 13.2ppg 1.66 yield 1673# 24hr CS 40% Excess. Calc TOC-3800'

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

Proposed Mud Circulation System:

<u>Depth</u>	<u>Mud Wt. ppg</u>	<u>Visc sec</u>	<u>Fluid Loss</u>	<u>Type System</u>
0 - 1000'	8.5	28-38	NC	Fresh Water/Spud Mud
1000 - 4800'	10.2	28-32	NC	Fresh water/NaCl Brine
4800 - 7800'	9.2	28-34	NC	Cut Brine/Sweeps
7800 - 13082' (Curve-Lateral)	9.2	32-50	<18	Duo Vis/Salt Gel/Starch/PAC

Pump high viscosity sweeps as needed for hole cleaning. The mud system will be monitored visually/manually as well as with an electronic PVT. The necessary mud products for additional weight and fluid loss control will be on location at all times.

Estimated Tops of Geological Markers & Depths of Anticipated Fresh Water, Oil or Gas:

<u>Geological Marker</u>	<u>Depth</u>	<u>Type</u>
a. Rustler	978'	Formation
b. Top Salt	1333'	Formation
c. Bottom Salt	4383'	Formation
d. Delaware	4753'	Formation
e. Delaware-Bell Canyon	4863'	Oil/Gas
f. Delaware-Cherry Canyon	5713'	Oil/Gas
g. Delaware-Brushy Canyon	6913'	Oil/Gas
h. 1st Bone Spring	8743'	Oil/Gas

Fresh water may be present above the Rustler formation. Surface casing will be set below the top of the Rustler, which will cover potential fresh water sources.

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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

DEC 09 2013

☒ AMENDED REPORT

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-41498	Pool Code 5698	Pool Name Bilbrey Delaware
Property Code 40222	Property Name ANDERSON "35"	Well Number 2H
OGRID No. 192463	Operator Name OXY USA	Elevation 3687.9'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	35	21 SOUTH	32 EAST, N.M.P.M.		660'	SOUTH	150'	WEST	LEA

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	35	21 SOUTH	32 EAST, N.M.P.M.		660'	SOUTH	330'	EAST	LEA

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 unleased 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: <u>David Stewart</u> Date: <u>12/4/13</u> Printed Name: <u>David Stewart Sr. Reg. Adv.</u> E-mail Address: <u>david.stewart@oxy.com</u>
SURFACE LOCATION NEW MEXICO EAST NAD 1927 Y=520711.1 X=709885.6 LAT.: N 32.4297114' LONG.: W 103.6530867' PENETRATION POINT NEW MEXICO EAST NAD 1927 Y=520713.1 X=710065.6 LAT.: N 32.4297137' LONG.: W 103.6525033' BOTTOM HOLE LOCATION NEW MEXICO EAST NAD 1927 Y=520764.0 X=714686.4 LAT.: N 32.4297719' LONG.: W 103.6375271'				SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: <u>MARCH 21, 2013</u> Signature and Seal of Professional Surveyor: <u>Tommy J. Dool</u> 6/1/2013 Certificate Number: <u>15079</u> WO# 130321WL-a (KA)



Anderson 35 #2H
Lea County, NM

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	7871.70	0.00	0.00	7871.70	0.00	0.00	0.00	0.00	0.00	
3	8994.95	89.86	89.37	8587.90	7.87	714.40	8.00	89.37	714.44	
4	13081.61	89.86	89.37	8597.90	52.90	4800.80	0.00	0.00	4801.09	PBHL

LEGEND

1
Plan #1

WELL DETAILS

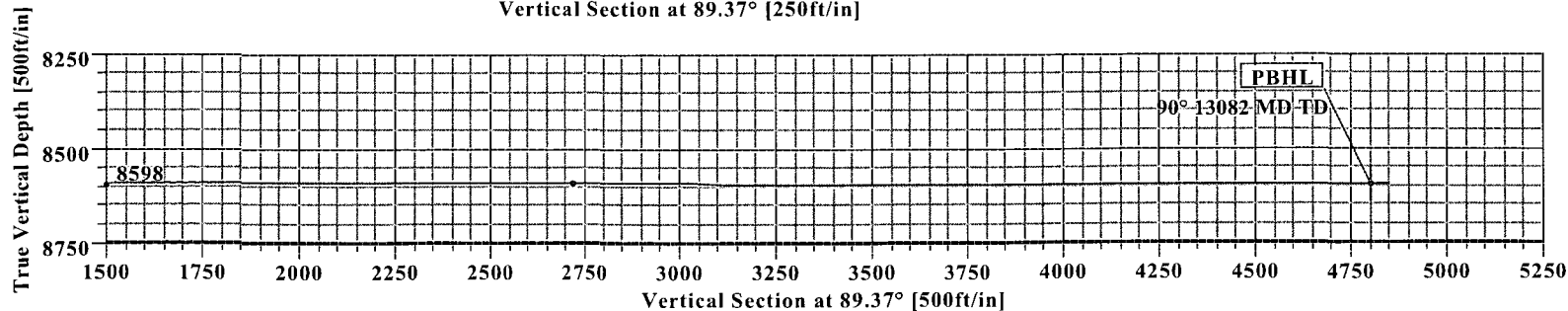
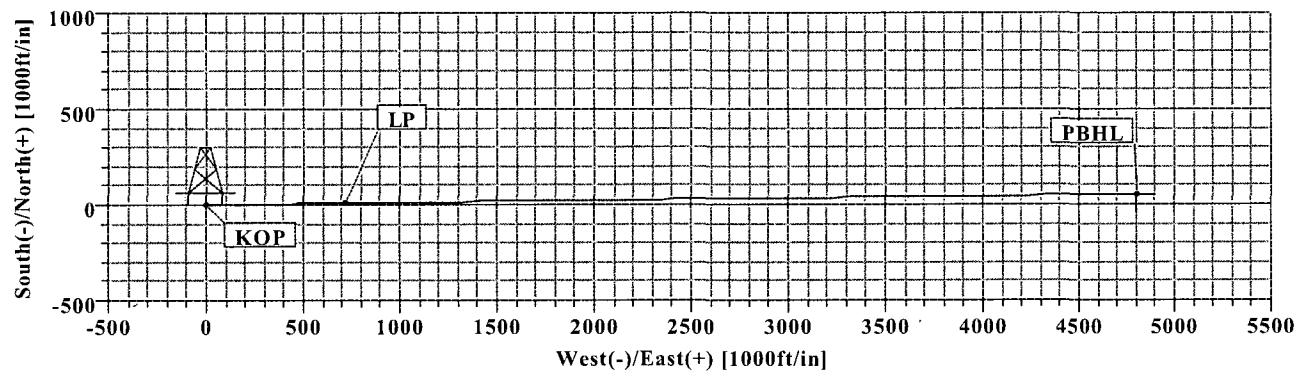
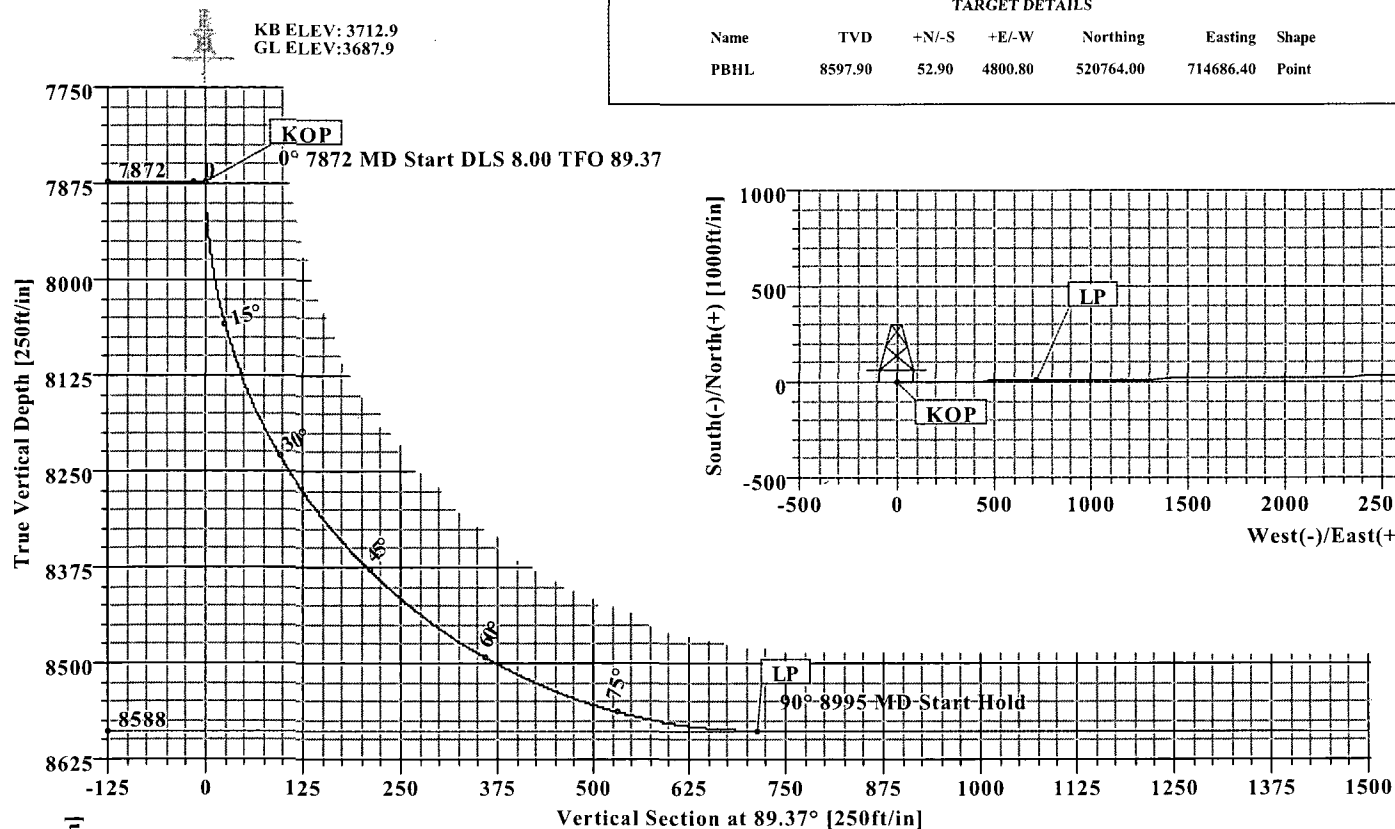
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Anderson 35 #2H	0.00	0.00	520711.10	709885.60	32°25'46.961N	103°39'11.112W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8597.90	52.90	4800.80	520764.00	714686.40	Point



Weatherford



Plan: Plan #1 (Anderson 35 #2H/1)

Created By: Michael Dill

Date: 12/2/2013



Date: 12/4/2013 **Time:** 12:32:55 **Page:** 1

Co-ordinate(NE) Reference: Well: Anderson 35 #2H, Grid North

Vertical (TVD) Reference: SITE 3712.0

Section (VS) Reference: Well (0.00N,0.00E,89.37Azi)

Survey Calculation Method: Minimum Curvature **Db:** Sybase

Version: 1
Tied-to: From Surface

Site Position:	Northing:	520711.10 ft	Latitude:	32 25 46.961 N
From: Map	Easting:	709885.60 ft	Longitude:	103 39 11.112 W
Position Uncertainty:	0.00 ft		North Reference:	Grid
Ground Level:	3687.90 ft		Grid Convergence:	0.36 deg

Well Position:	+N/-S	0.00 ft	Northing:	520711.10 ft	Latitude:	32	25	46.961 N
	+E/-W	0.00 ft	Easting :	709885.60 ft	Longitude:	103	39	11.112 W
Position Uncertainty:		0.00 ft						

Drilled From:	Surface
Tie-on Depth:	0.00 ft
Above System Datum:	Mean Sea Level
Declination:	7.33 deg
Mag Dip Angle:	60.30 deg
+E/-W	Direction
ft	deg
0.00	89.37

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7871.70	0.00	0.00	7871.70	0.00	0.00	0.00	0.00	0.00	0.00	
8994.95	89.86	89.37	8587.90	7.87	714.40	8.00	8.00	7.96	89.37	
13081.61	89.86	89.37	8597.90	52.90	4800.80	0.00	0.00	0.00	0.00	PBHL

[illegible]



Weatherford International Ltd.

WFT Plan Report



Weatherford

Company: Occidental Permian Ltd.	Date: 12/4/2013	Time: 12:32:55	Page: 3
Field: Lea Co, New Mexico (Nad 27)	Co-ordinate(NE) Reference:	Well: Anderson 35 #2H, Grid North	
Site: Anderson 35 #2H	Vertical (TVD) Reference:	SITE 3712.0	
Well: Anderson 35 #2H	Section (VS) Reference:	Well (0.00N,0.00E,89.37Azi)	
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	Build deg/100ft	Turn deg/100ft	Comment
7500.00	0.00	0.00	7500.00	0.00	0.00	0.00	0.00	0.00	0.00	
7600.00	0.00	0.00	7600.00	0.00	0.00	0.00	0.00	0.00	0.00	
7700.00	0.00	0.00	7700.00	0.00	0.00	0.00	0.00	0.00	0.00	
7800.00	0.00	0.00	7800.00	0.00	0.00	0.00	0.00	0.00	0.00	
7871.70	0.00	0.00	7871.70	0.00	0.00	0.00	0.00	0.00	0.00	KOP
7900.00	2.26	89.37	7899.99	0.01	0.56	0.56	8.00	8.00	0.00	
7950.00	6.26	89.37	7949.84	0.05	4.28	4.28	8.00	8.00	0.00	
8000.00	10.26	89.37	7999.31	0.13	11.46	11.46	8.00	8.00	0.00	
8050.00	14.26	89.37	8048.16	0.24	22.08	22.08	8.00	8.00	0.00	
8100.00	18.26	89.37	8096.15	0.40	36.08	36.08	8.00	8.00	0.00	
8150.00	22.26	89.37	8143.05	0.59	53.39	53.39	8.00	8.00	0.00	
8200.00	26.26	89.37	8188.62	0.81	73.93	73.94	8.00	8.00	0.00	
8250.00	30.26	89.37	8232.65	1.08	97.60	97.61	8.00	8.00	0.00	
8300.00	34.26	89.37	8274.92	1.37	124.29	124.29	8.00	8.00	0.00	
8350.00	38.26	89.37	8315.23	1.70	153.85	153.86	8.00	8.00	0.00	
8400.00	42.26	89.37	8353.38	2.05	186.16	186.17	8.00	8.00	0.00	
8450.00	46.26	89.37	8389.18	2.44	221.05	221.06	8.00	8.00	0.00	
8500.00	50.26	89.37	8422.45	2.85	258.35	258.37	8.00	8.00	0.00	
8550.00	54.26	89.37	8453.05	3.28	297.88	297.90	8.00	8.00	0.00	
8600.00	58.26	89.37	8480.81	3.74	339.45	339.47	8.00	8.00	0.00	
8650.00	62.26	89.37	8505.61	4.22	382.86	382.88	8.00	8.00	0.00	
8700.00	66.26	89.37	8527.31	4.71	427.89	427.91	8.00	8.00	0.00	
8750.00	70.26	89.37	8545.83	5.23	474.32	474.35	8.00	8.00	0.00	
8800.00	74.26	89.37	8561.06	5.75	521.93	521.96	8.00	8.00	0.00	
8850.00	78.26	89.37	8572.93	6.29	570.49	570.52	8.00	8.00	0.00	
8900.00	82.26	89.37	8581.38	6.83	619.75	619.79	8.00	8.00	0.00	
8950.00	86.26	89.37	8586.38	7.38	669.49	669.53	8.00	8.00	0.00	
8994.95	89.86	89.37	8587.90	7.87	714.40	714.44	8.00	8.00	0.00	LP
9000.00	89.86	89.37	8587.91	7.93	719.45	719.50	0.00	0.00	0.00	
9100.00	89.86	89.37	8588.15	9.03	819.45	819.50	0.00	0.00	0.00	
9200.00	89.86	89.37	8588.40	10.13	919.44	919.50	0.00	0.00	0.00	
9300.00	89.86	89.37	8588.64	11.23	1019.43	1019.50	0.00	0.00	0.00	
9400.00	89.86	89.37	8588.89	12.33	1119.43	1119.50	0.00	0.00	0.00	
9500.00	89.86	89.37	8589.13	13.44	1219.42	1219.50	0.00	0.00	0.00	
9600.00	89.86	89.37	8589.38	14.54	1319.42	1319.50	0.00	0.00	0.00	
9700.00	89.86	89.37	8589.62	15.64	1419.41	1419.50	0.00	0.00	0.00	
9800.00	89.86	89.37	8589.87	16.74	1519.40	1519.49	0.00	0.00	0.00	
9900.00	89.86	89.37	8590.11	17.84	1619.40	1619.49	0.00	0.00	0.00	
10000.00	89.86	89.37	8590.36	18.95	1719.39	1719.49	0.00	0.00	0.00	
10100.00	89.86	89.37	8590.60	20.05	1819.38	1819.49	0.00	0.00	0.00	
10200.00	89.86	89.37	8590.85	21.15	1919.38	1919.49	0.00	0.00	0.00	
10300.00	89.86	89.37	8591.09	22.25	2019.37	2019.49	0.00	0.00	0.00	
10400.00	89.86	89.37	8591.33	23.35	2119.36	2119.49	0.00	0.00	0.00	
10500.00	89.86	89.37	8591.58	24.46	2219.36	2219.49	0.00	0.00	0.00	
10600.00	89.86	89.37	8591.82	25.56	2319.35	2319.49	0.00	0.00	0.00	
10700.00	89.86	89.37	8592.07	26.66	2419.35	2419.49	0.00	0.00	0.00	
10800.00	89.86	89.37	8592.31	27.76	2519.34	2519.49	0.00	0.00	0.00	
10900.00	89.86	89.37	8592.56	28.86	2619.33	2619.49	0.00	0.00	0.00	
11000.00	89.86	89.37	8592.80	29.96	2719.33	2719.49	0.00	0.00	0.00	
11100.00	89.86	89.37	8593.05	31.07	2819.32	2819.49	0.00	0.00	0.00	
11200.00	89.86	89.37	8593.29	32.17	2919.31	2919.49	0.00	0.00	0.00	
11300.00	89.86	89.37	8593.54	33.27	3019.31	3019.49	0.00	0.00	0.00	
11400.00	89.86	89.37	8593.78	34.37	3119.30	3119.49	0.00	0.00	0.00	



Weatherford International Ltd.

WFT Plan Report



Weatherford

Company: Occidental Permian Ltd.	Date: 12/4/2013	Time: 12:32:55	Page: 4
Field: Lea Co, New Mexico (Nad 27)	Co-ordinate(NE) Reference:	Well: Anderson 35 #2H, Grid North	
Site: Anderson 35 #2H	Vertical (TVD) Reference:	SITE 3712.0	
Well: Anderson 35 #2H	Section (VS) Reference:	Well (0.00N,0.00E,89.37Azi)	
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	Build deg/100ft	Turn deg/100ft	Comment
11500.00	89.86	89.37	8594.03	35.47	3219.29	3219.49	0.00	0.00	0.00	
11600.00	89.86	89.37	8594.27	36.58	3319.29	3319.49	0.00	0.00	0.00	
11700.00	89.86	89.37	8594.52	37.68	3419.28	3419.49	0.00	0.00	0.00	
11800.00	89.86	89.37	8594.76	38.78	3519.28	3519.49	0.00	0.00	0.00	
11900.00	89.86	89.37	8595.01	39.88	3619.27	3619.49	0.00	0.00	0.00	
12000.00	89.86	89.37	8595.25	40.98	3719.26	3719.49	0.00	0.00	0.00	
12100.00	89.86	89.37	8595.50	42.08	3819.26	3819.49	0.00	0.00	0.00	
12200.00	89.86	89.37	8595.74	43.19	3919.25	3919.49	0.00	0.00	0.00	
12300.00	89.86	89.37	8595.99	44.29	4019.24	4019.49	0.00	0.00	0.00	
12400.00	89.86	89.37	8596.23	45.39	4119.24	4119.49	0.00	0.00	0.00	
12500.00	89.86	89.37	8596.48	46.49	4219.23	4219.49	0.00	0.00	0.00	
12600.00	89.86	89.37	8596.72	47.59	4319.22	4319.49	0.00	0.00	0.00	
12700.00	89.86	89.37	8596.97	48.70	4419.22	4419.49	0.00	0.00	0.00	
12800.00	89.86	89.37	8597.21	49.80	4519.21	4519.49	0.00	0.00	0.00	
12900.00	89.86	89.37	8597.46	50.90	4619.21	4619.49	0.00	0.00	0.00	
13000.00	89.86	89.37	8597.70	52.00	4719.20	4719.49	0.00	0.00	0.00	
13081.61	89.86	89.37	8597.90	52.90	4800.80	4801.09	0.00	0.00	0.00	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		
PBHL		8597.90	52.90	4800.80	520764.00	714686.40	32	25	47.178 N	103	38	15.097 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Annotation

MD ft	TVD ft	
7871.70	7871.70	KOP
8994.95	8587.90	LP
13081.60	8597.90	PBHL

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 Brazos Rd., Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 176747

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address OXY USA WTP LIMITED PARTNERSHIP PO Box 4294 Houston, TX 77210		2. OGRID Number 192463
4. Property Code 40222		3. API Number 30-025-41498
5. Property Name ANDERSON 35		6. Well No. 002H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
M	35	21S	32E		660	S	150	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	35	21S	32E	P	660	S	330	E	Lea

9. Pool Information

RED TANK;BONE SPRING	51683
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 3688
16. Multiple N	17. Proposed Depth 15315	18. Formation 3rd Bone Spring Sand	19. Contractor	20. Spud Date 1/15/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	14.75	11.75	47	1000	620	0
Int1	10.625	8.625	32	4800	1090	0
Prod	7.875	5.5	17	15315	1700	0

Casing/Cement Program: Additional Comments

Proposed Mud Program: 0-1000' Fresh Water/Spud Mud - 1000-4800' Fresh Water NaCl Brine - 4800-11900' Cut Brine/Sweeps - 10000-15315' Duo Vis/Salt Gel/Starch/PAC. BOP Program: 13-5/8" 10M three ram stack w/ 5M annular, 5M choke manifold. Additional information will be sent along with the H2S plan.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	10000	10000	
Annular	5000	5000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable. Signature: Printed Name: Karen M Sinard Title: Email Address: karen_sinard@oxy.com Date: 11/11/2013 Phone: 713-366-5485	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 11/18/2013 Expiration Date: 11/18/2015 Conditions of Approval Attached
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