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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

WELL API NO.
30-015-40940

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

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.)

7. Lease Name or Unit Agreement Name
Tigger 9 State

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

8. Well Number #9

2. Name of Operator
OXY USA WTP LIMITED PARTNERSHIP

9. OGRID Number
192463

3. Address of Operator
PO BOX 4294; HOUSTON, TX 77210

10. Pool name or Wildcat
GJ 7 RUS-QN-GB-GLORIETA-YESO (97558)

4. Well Location
Unit Letter P : 420 feet from the S line and 620 feet from the E line
Section 9 Township 17S Range 29E NMPM County EDDY

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3572'

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☒	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
OTHER:	☐			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 request permission to change the above mentioned well from a vertical drilled well into a directional drilled well. All the supportive and corrected documents are attached for your review. If you need any further information or have any questions, please feel free to contact me know at any time.

RECEIVED
NOV 26 2013
NMOCD ARTESIA

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 _____ TITLE_REGULATORY SPECIALIST_____ DATE _11/26/2013___

Type or print name _JENNIFER DUARTE_____ E-mail address: _jennifer_duarte@oxy.com___ PHONE: _713-513-6640____

For State Use Only

APPROVED BY: T. C. Shepard TITLE "Geologist" DATE 11/27/2013

Conditions of Approval (if any):

RECEIVED
NOV 26 2013
NMOCD ARTESIA

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 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	Pool Code	Pool Name
30-015-40940	96610	Empire; Glorieta-Yeso, East

Property Code	Property Name	Well Number
309604	TIGGER "9" STATE	9

OGRID No.	Operator Name	Elevation
192463	OXY USA WTP LP	3564.7'

Surface Location

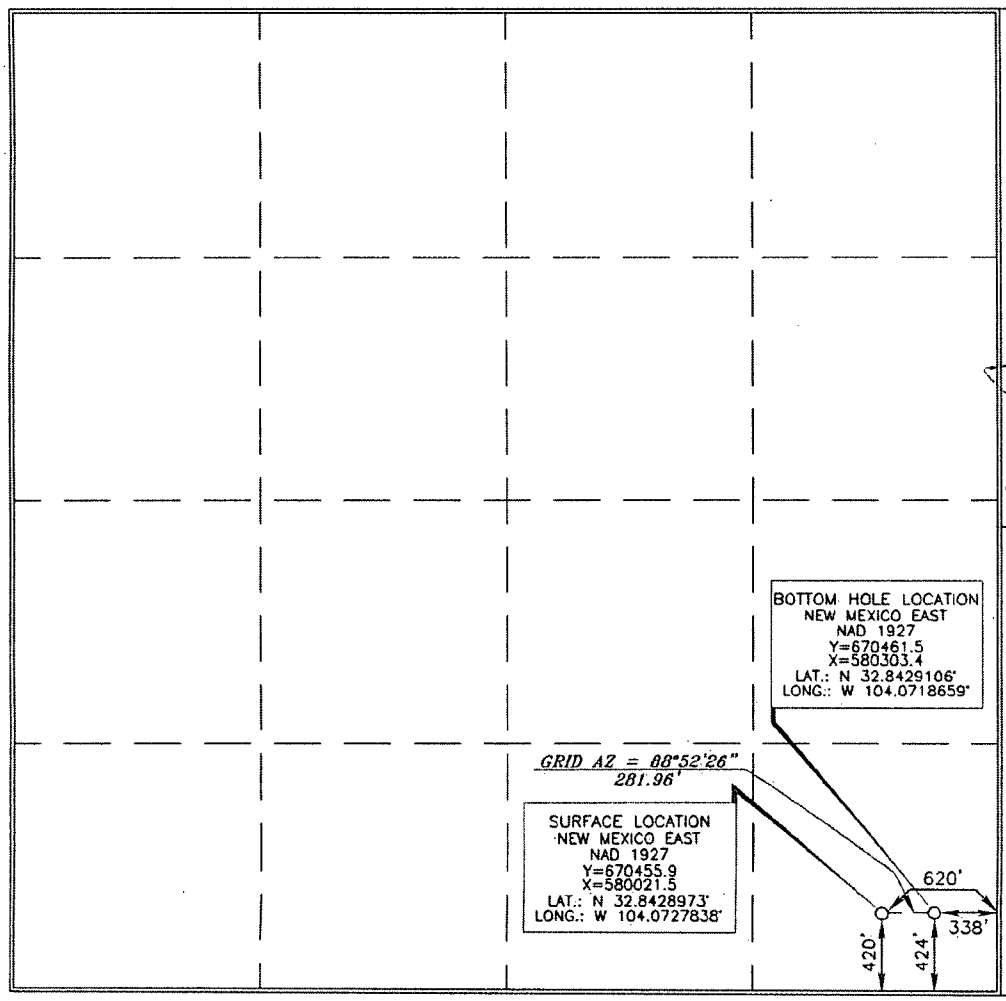
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	9	17 SOUTH	29 EAST, N.M.P.M.		420'	SOUTH	620'	EAST	EDDY

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	9	17 SOUTH	29 EAST, N.M.P.M.		424'	SOUTH	338'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
40			

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 11/26/13 Date

Jennifer Duarte
Printed Name

jennifer_duarte@oxy.com
E-mail Address

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.

AUGUST 10, 2012
Date of Survey

Signature and Seal of Professional Surveyor:

TERRY J. ASEL
NEW MEXICO
15079
PROFESSIONAL LAND SURVEYOR

Terry J. Asel 11/8/2013
Certificate Number 15079

WO# 120810WL-d (Rev. A) (KA)

OXY USA Inc
APD Data

OPERATOR NAME / NUMBER: OXY USA Inc 16696

LEASE NAME / NUMBER: Tigger 9 State # 9 **Federal Lease No:**

STATE: NM **COUNTY:** Eddy

SURFACE HOLE LOCATION: 420' FSL & 620' FEL, Sec 9, T17S, R29E

BOTTOM HOLE LOCATION: 424' FSL & 338' FEL, Sec 9, T17S, R29E

APPROX GR ELEV: 3564.7'

EST KB ELEV: 3578.7' (14' KB-GL)

1. **SAME AS ORIGINAL APD**

2. **SAME AS ORIGINAL APD**

   A. Fresh Water formation is outcropping and will be covered with the 16" conductor pipe, which will be set at 120' prior to spud.

GREATEST PROJECTED TD: 5310' MD / 5300' TVD **OBJECTIVE:** Yeso

3. **CASING PROGRAM**

Surface Casing set at ± 400' MD/ 400' TVD in a 11" hole filled with 8.8 ppg mud

Interval (MD)	OD (in)	Wt (ppf)	Grade	Conn	ID (in)	Condition	Jt Str (M-lbs)	Burst (psi)	Collapse (psi)	**Burst SF**	**Coll SF**	**Ten SF**
0'- 400'	8.625	24	J55	STC	8.097	New	244	2950	1370	1.42	10.42	2.26

Production Casing set at ± 5310'MD / 5300'TVD in a 7.875" hole filled 9.6 ppg mud

Interval (MD)	OD (in)	Wt (ppf)	Grade	Conn	ID (in)	Condition	Jt Str (M-lbs)	Burst (psi)	Collapse (psi)	**Burst SF**	**Coll SF**	**Ten SF**
0'- 5,310'	5.5	17	L80	BTC	4.892	New	428	7740	6290	1.28	2.20	2.22

Casing Design Assumptions:

Burst Loads

CSG Test (Surface)
- Internal: Displacement fluid + 70% CSG Burst rating
- External: Pore Pressure from section TD to surface

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

Gas Kick (Surface)
- Internal: Gas Kick based on Pore Pressure or Fracture Gradient @ CSG shoe with a gas 0.115psi/ft Gas gradient to surface while drilling the next hole section
- External: Pore Pressure from section TD to previous 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 surface CSG shoe and 8.5 ppg MWE to surface

Collapse Loads
Lost Circulation (Surface)
- Internal: Losses experienced while drilling the next hole section (e.g. losses while drilling the production hole section are used as a collapse load to design the surface CSG). After losses there will be a column of mud inside the CSG with an equivalent weight to the Pore Pressure of the lost circulation zone
- External: MW of the drilling mud that was in the hole when the CSG was run

Cementing (Surface/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/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/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.

4. CEMENT PROGRAM:

Surface Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft^3/sk	24 Hr Comp
Surface (TOC: 0' – 400')							
Lead: 0' – 400' (150% Excess)	210	400	Premium Plus Cement: 1% Calcium Chloride – Flake	6.36	14.8	1.34	1608 psi

Production Interval

Interval	Amount sx	Ft of Fill	Type	Gal/Sk	PPG	Ft^3/sk	24 Hr Comp
Production (TOC: 0' – 5310')							
Lead: 0' – 2800' (100 % Excess)	370	2800	Interfill C: 0.25 lbm/sk D-AIR 5000	13.88	11.9	2.43	281 psi
Tail: 2800' - 5310' (100 % Excess)	580	2310	Premium Plus Cement: 0.5% Halad ®-344, 0.2% WellLife 734, 5 lbm/sk Microbond, 0.3% Econolite, 0.3% CFR-3	7.72	14.2	1.55	1413 psi

Description of Cement Additives: Calcium Chloride – Flake (Accelerator), D-AIR 5000 (Defoamer), Halad ®-344 (Low Fluid Loss Control), WellLife 734 (Cement Enhancer), Microbond (Expander), Econolite (Light Weight Additive), CFR-3 (Dispersant)

The volumes indicated above may be revised depending on if a caliper measurement.

5. DIRECTIONAL PLAN

See directional plan attached.

6. PRESSURE CONTROL EQUIPMENT

Surface: 0' – 400' None.

Production: 400' MD/TVD – 5310' MD / 5300' TVD The minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required to drill below the surface casing shoe shall be 3000 (3M) psi. Operator will be using an 11" 3M two ram stack with 3M annular preventer, & 3M Choke Manifold.

a. The 11" 3000 psi blowout prevention equipment will be installed and operational after setting the 8 5/8" surface casing and the 8 5/8" SOW x 11" 3K conventional wellhead; the rotating head body will be installed but the rubber will be installed when it becomes operationally necessary.
b. The BOP and ancillary BOPE will be tested by a third party after setting surface casing. All equipment will be tested to 250/3000 psi for **5** minutes and charted, except the annular, which will be tested to 70% of working pressure.
c. The BOPE test will be repeated within 21 days of the original test, on the first trip
d. Other accessory BOP equipment will include a floor safety valve, choke lines, and choke manifold having a 3000 psi working pressure rating and tested to 3000 psi.
e. The Operator also requests a variance to connect the BOP choke outlet to the choke manifold using a 3" co-flex hose with a working pressure of 3000 psi.
f. BOP & Choke manifold diagrams attached.

7. MUD PROGRAM:

Depth	Mud Wt ppg	Vis Sec	Fluid Loss	Type System
0' – 400'	8.4 – 8.8	27 – 28	NC	Fresh Water / Spud Mud
400' – TD	9.2 – 9.6	28 – 29	NC	Brine Water / Salt Gel / Sweeps

Remarks: 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. Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.

8. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT

A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor unobstructed and readily accessible at all times.

9. POTENTIAL HAZARDS:

a. Hydrogen Sulfide detection equipment will be in operation after drilling out the surface casing shoe until the production casing has been cemented. Breathing equipment will be on location from drilling out the surface shoe until production casing is cemented. If H2S is encountered the operator will comply with Onshore Order #6.
b. No abnormal temperatures or pressures are anticipated. The highest anticipated pressure gradient is **0.5 psi/ft.** Maximum anticipated bottom hole pressure is **2750 psi.**

c. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Adequate flare lines will be installed off the mud/gas separator where gas may be flared safely.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS

Road and location construction will begin after the **NMOCD** has approved the APD. Anticipated spud date will be as soon as possible after approval and as soon as a rig will be available. Move in operations and drilling is expected to take 15 days. If production casing is run, then an additional 30 days will be needed to complete the well and construct surface facilities and/or lay flow lines in order to place well on production.

11. WIRELINE LOGGING / MUD LOGGING / LWD

a. NO open hole wireline logging
b. Mud logging: 3,000' to TD

COMPANY PERSONNEL:

Name	Title	Office Phone	Mobile Phone
Kacie Cruz	Drilling Engineer	(713)350-4889	(281) 433-6594
Sebastian Millan	Drilling Engineer Supervisor	(713)350-4950	(832) 528-3268
Roger Allen	Drilling Superintendent	(713)215-7617	(281) 682-3919
Oscar Quintero	Drilling Manager	(713)985-6343	(713) 689-4946

Weatherford®

Drilling Services

Proposal

OXY

OCCIDENTAL PERMIAN LTD.

TIGGER 9 STATE #9

EDDY CO., NEW MEXICO

WELL FILE: **PLAN 1**

NOVEMBER 12, 2013

Weatherford International, Ltd.
P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com

Oxy Tigger 9 State #9
Eddy Co., New Mexico

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	88.86	0.00	0.00	0.00	0.00	0.00	0.00	
2	1200.00	0.00	88.86	1200.00	0.00	0.00	0.00	0.00	0.00	
3	1471.21	4.07	88.86	1470.99	0.19	9.62	1.50	88.86	9.62	
4	5309.90	4.07	88.86	5300.00	5.60	281.90	0.00	0.00	281.96	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Tigger 9 State #9	0.00	0.00	670455.90	580021.50	32°50'34.430N	104°04'22.022W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	5300.00	5.60	281.90	670461.50	580303.40	Circle (Radius: 100)

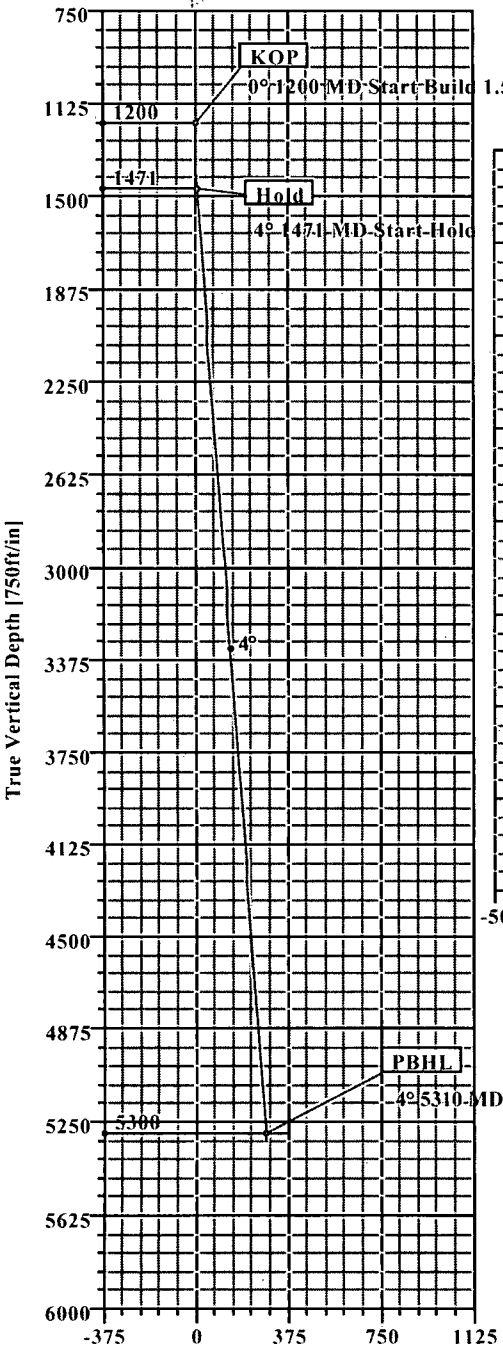
SITE DETAILS

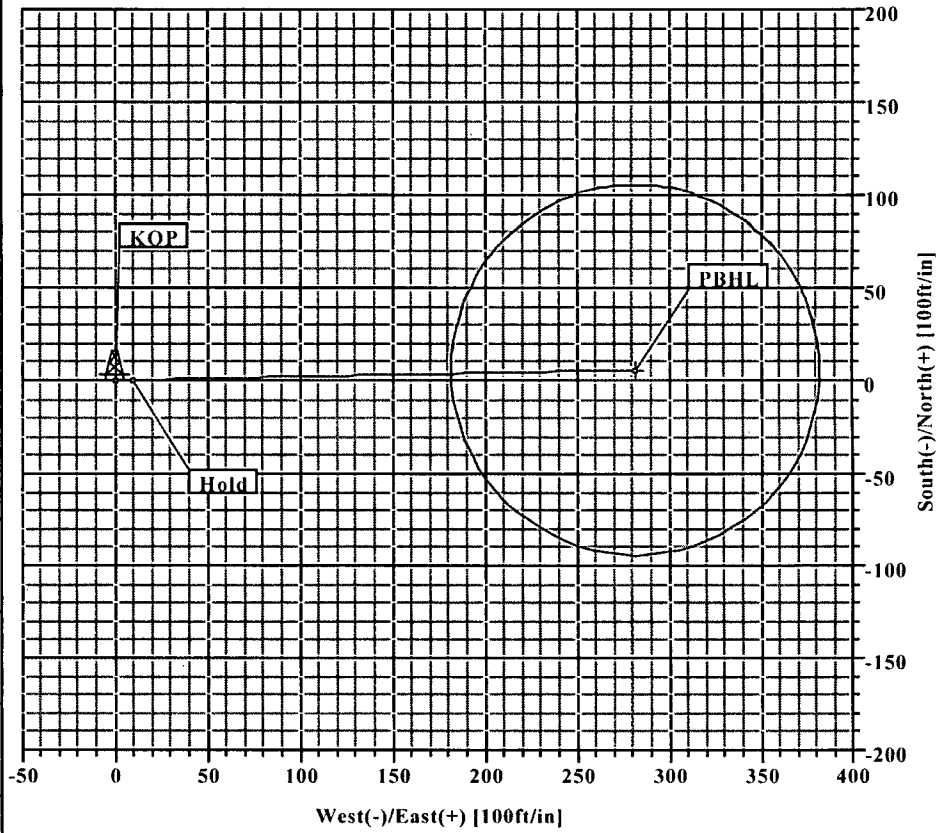
Tigger 9 State #9

Site Centre Northing: 670455.90
Easting: 580021.50

Ground Level: 3564.70
Positional Uncertainty: 0.00
Convergence: 0.14

KB ELEV: 3578.7
GL ELEV: 3564.7





Weatherford

Plan: Plan #1 (Tigger 9 State #9/1)
Created By: Patrick Rudolph Date: 11/12/2013

Weatherford International Ltd.

WFT Plan Report - X & Y's

Company:	Occidental Permian Ltd.	Date:	11/12/2013	Time: 13:36:40	Page: 1
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Tigger 9 State #9, Grid North		
Site:	Tigger 9 State #9	Vertical (TVD) Reference:	SITE 3578.7		
Well:	Tigger 9 State #9	Section (VS) Reference:	Well (0.00N,0.00E,88.86Azi)		
Wellpath:	1	Survey Calculation Method:	Minimum Curvature	Db:	Sybase

Plan:	Plan #1	Date Composed:	11/12/2013
		Version:	1
Principal:	Yes	Tied-to:	From Surface

Site: Tigger 9 State #9

Site Position:		Northing:	670455.90 ft	Latitude:	32	50	34.430	N
From:	Map	Easting:	580021.50 ft	Longitude:	104	4	22.022	W
Position Uncertainty:	0.00 ft			North Reference:			Grid	
Ground Level:	3564.70 ft			Grid Convergence:			0.14	deg

Well: Tigger 9 State #9 — **Slot Name:**

Well Position:	+N/-S 0.00 ft	Northing:	670455.90 ft	Latitude:	32	50	34.430	N
	+E/-W 0.00 ft	Easting :	580021.50 ft	Longitude:	104	4	22.022	W
Position Uncertainty:	0.00 ft							

Wellpath: 1 — **Drilled From:** Surface; **Tie-on Depth:** 0.00 ft

Current Datum:	SITE	Height 3578.70 ft	Above System Datum:	Mean Sea Level	
Magnetic Data:	8/1/2014		Declination:	7.48	deg
Field Strength:	48646 nT		Mag Dip Angle:	60.59	deg

Vertical Section:	Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
	0.00	0.00	0.00	88.86

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	88.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	88.86	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1471.21	4.07	88.86	1470.99	0.19	9.62	1.50	1.50	0.00	88.86	
5309.90	4.07	88.86	5300.00	5.60	281.90	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
1200.00	0.00	88.86	1200.00	0.00	0.00	0.00	0.00	670455.90	580021.50	KOP
1300.00	1.50	88.86	1299.99	0.03	1.31	1.31	1.50	670455.93	580022.81	
1400.00	3.00	88.86	1399.91	0.10	5.23	5.23	1.50	670456.00	580026.73	
1471.21	4.07	88.86	1470.99	0.19	9.62	9.62	1.50	670456.09	580031.12	Hold
1500.00	4.07	88.86	1499.70	0.23	11.66	11.67	0.00	670456.13	580033.16	
1600.00	4.07	88.86	1599.45	0.37	18.76	18.76	0.00	670456.27	580040.26	
1700.00	4.07	88.86	1699.20	0.51	25.85	25.86	0.00	670456.41	580047.35	
1800.00	4.07	88.86	1798.94	0.65	32.94	32.95	0.00	670456.55	580054.44	
1900.00	4.07	88.86	1898.69	0.80	40.04	40.04	0.00	670456.70	580061.54	
2000.00	4.07	88.86	1998.44	0.94	47.13	47.14	0.00	670456.84	580068.63	
2100.00	4.07	88.86	2098.19	1.08	54.22	54.23	0.00	670456.98	580075.72	
2200.00	4.07	88.86	2197.94	1.22	61.32	61.33	0.00	670457.12	580082.82	
2300.00	4.07	88.86	2297.68	1.36	68.41	68.42	0.00	670457.26	580089.91	
2400.00	4.07	88.86	2397.43	1.50	75.50	75.52	0.00	670457.40	580097.00	
2500.00	4.07	88.86	2497.18	1.64	82.59	82.61	0.00	670457.54	580104.09	
2600.00	4.07	88.86	2596.93	1.78	89.69	89.70	0.00	670457.68	580111.19	
2700.00	4.07	88.86	2696.68	1.92	96.78	96.80	0.00	670457.82	580118.28	
2800.00	4.07	88.86	2796.42	2.06	103.87	103.89	0.00	670457.96	580125.37	
2900.00	4.07	88.86	2896.17	2.20	110.97	110.99	0.00	670458.10	580132.47	
3000.00	4.07	88.86	2995.92	2.35	118.06	118.08	0.00	670458.25	580139.56	
3100.00	4.07	88.86	3095.67	2.49	125.15	125.18	0.00	670458.39	580146.65	
3200.00	4.07	88.86	3195.42	2.63	132.25	132.27	0.00	670458.53	580153.75	
3300.00	4.07	88.86	3295.16	2.77	139.34	139.37	0.00	670458.67	580160.84	

Weatherford International Ltd.
WFT Plan Report - X & Y's

Company:	Occidental Permian Ltd	Date:	11/12/2013	Time:	13:36:40	Page:	2
Field:	Eddy Co. NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Tigger 9 State #9, Grid North				
Site:	Tigger 9 State #9	Vertical (TVD) Reference:	SITE 3578.7				
Well:	Tigger 9 State #9	Section (VS) Reference:	Well (0.00N,0.00E,88.86Azi)				
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
3400.00	4.07	88.86	3394.91	2.91	146.43	146.46	0.00	670458.81	580167.93	
3500.00	4.07	88.86	3494.66	3.05	153.52	153.55	0.00	670458.95	580175.02	
3600.00	4.07	88.86	3594.41	3.19	160.62	160.65	0.00	670459.09	580182.12	
3700.00	4.07	88.86	3694.16	3.33	167.71	167.74	0.00	670459.23	580189.21	
3800.00	4.07	88.86	3793.90	3.47	174.80	174.84	0.00	670459.37	580196.30	
3900.00	4.07	88.86	3893.65	3.61	181.90	181.93	0.00	670459.51	580203.40	
4000.00	4.07	88.86	3993.40	3.75	188.99	189.03	0.00	670459.65	580210.49	
4100.00	4.07	88.86	4093.15	3.90	196.08	196.12	0.00	670459.80	580217.58	
4200.00	4.07	88.86	4192.90	4.04	203.17	203.22	0.00	670459.94	580224.67	
4300.00	4.07	88.86	4292.64	4.18	210.27	210.31	0.00	670460.08	580231.77	
4400.00	4.07	88.86	4392.39	4.32	217.36	217.40	0.00	670460.22	580238.86	
4500.00	4.07	88.86	4492.14	4.46	224.45	224.50	0.00	670460.36	580245.95	
4600.00	4.07	88.86	4591.89	4.60	231.55	231.59	0.00	670460.50	580253.05	
4700.00	4.07	88.86	4691.64	4.74	238.64	238.69	0.00	670460.64	580260.14	
4800.00	4.07	88.86	4791.38	4.88	245.73	245.78	0.00	670460.78	580267.23	
4900.00	4.07	88.86	4891.13	5.02	252.83	252.88	0.00	670460.92	580274.33	
5000.00	4.07	88.86	4990.88	5.16	259.92	259.97	0.00	670461.06	580281.42	
5100.00	4.07	88.86	5090.63	5.30	267.01	267.06	0.00	670461.20	580288.51	
5200.00	4.07	88.86	5190.38	5.45	274.10	274.16	0.00	670461.35	580295.60	
5309.90	4.07	88.86	5300.00	5.60	281.90	281.96	0.00	670461.50	580303.40	PBHL

Targets

Name / Description	Dip	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			5300.00	5.60	281.90	670461.50	580303.40	32	50	34.479 N	104	4	18.717 W
-Circle (Radius: 100)													
-Plan hit target													

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
1200.00	1200.00	KOP
1471.21	1470.98	Hold
5309.90	5300.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Weatherford Drilling Services

GeoDec v5.03

Report Date:	November 12, 2013
Job Number:	
Customer:	Occidental Permian Ltd.
Well Name:	Tigger 9 State #9
API Number:	
Rig Name:	
Location:	Eddy County, NM(Nad 27)
Block:	
Engineer:	Patrick Rudolph

US State Plane 1927	Geodetic Latitude / Longitude
System: New Mexico East 3001 (NON-EXACT)	System: Latitude / Longitude
Projection: SPC27 Transverse Mercator	Projection: Geodetic Latitude and Longitude
Datum: NAD 1927 (NADCON CONUS)	Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866	Ellipsoid: Clarke 1866
North/South 670455.900 USFT	Latitude 32.8428973 DEG
East/West 580021.500 USFT	Longitude -104.0727838 DEG
Grid Convergence: .14°	
Total Correction: +7.47°	

Geodetic Location WGS84	Elevation =	0.0 Meters
Latitude =	32.84290° N	32° 50 min 34.430 sec
Longitude =	104.07278° W	104° 4 min 22.022 sec

Magnetic Declination =	7.61°	[True North Offset]	
Local Gravity =	.9989 g	CheckSum =	6709
Local Field Strength =	48615 nT	Magnetic Vector X =	23669 nT
Magnetic Dip =	60.58°	Magnetic Vector Y =	3162 nT
Magnetic Model =	bggm2013	Magnetic Vector Z =	42345 nT
Spud Date =	Aug 01, 2014	Magnetic Vector H =	23880 nT

Signed:_____ Date:_____