

Operator Name/Number: OXY USA Inc. 16696
 Lease Name/Number: Red Tank 31 State #5H State Lease No. VO-3527-0002
 Pool Name/Number: Red Tank Bone Spring, East 51687
 Surface Location: 660 FNL 150 FEL A Sec 31 T22S R33E
 Top Perf: 661 FNL 707 FEL A Sec 31 T22S R33E
 Bottom Perf: 660 FNL 335 FWL 1 Sec 31 T22S R33E
 Bottom Hole Location: 660 FNL 180 FWL 1 Sec 31 T22S R33E

30-025-41885

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C-102 Plats: 4/30/14 5/7/14 Elevation: 3716.5' GL Objective: 2nd Bone Spring

Proposed TD: Pilot Hole 12250' TVD Horizontal Lateral 10952' TVD 15486' TMD
 SL - Lat: 32.3536276 Long: 103.6030414 X=725516.1 Y=493134.4 NAD - 1927
 TP - Lat: 32.3536296 Long: 103.6048450 X=724959.1 Y=493131.3 NAD - 1927
 BP - Lat: 32.3536442 Long: 103.6182149 X=720830.3 Y=493108.8 NAD - 1927
 BH - Lat: 32.3536441 Long: 103.6187168 X=720675.3 Y=493107.7 NAD - 1927

Casing Program:

Hole Size	Interval	OD Csg	Weight	Collar	Grade	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
14-3/4"	0-1200'	11-3/4"	47	BT&C	J55	New	3.78	1.42	3.98
				Hole filled with 8.5# Mud			1514#	3072#	
10-5/8"	0-4920'	8-5/8"	32	LT&C	J-55	New	2.61	1.34	2.16
				Hole filled with 10.2# Mud			2533#	3928#	
7-7/8"	0-15486'	5-1/2"	17	BT&C	P-110	New	1.44	1.27	1.96
				Hole filled with 9.2# Mud			7460#	10640#	

Collapse and burst loads calculated using Stress Check with anticipated loads

Cement Program:

- 11-3/4" Surface Circulate cement to surface w/ 500sx PPC cmt w/ 1% CaCl₂ + 4% Bentonite + .25#/sx Poly-E-Flake, 13.5ppg 1.73 yield 800# 24hr CS 125% Excess followed by 220sx PPC cmt w/ 1% CaCl₂, 14.8ppg 1.34 yield 1200# 24hr CS 125% Excess
- 8-5/8" Intermediate Circulate cement to surface w/ 830sx HES Light PPC cmt w/ 5% salt + 2#/sx Kol-Seal + .125#/sx Poly-E-Flake, 12.9ppg 1.86 yield 550# 24hr CS 105% Excess followed by 320sx PPC cmt w/ 1% CaCl₂, 14.8ppg 1.34 yield 1400# 24hr CS 105% Excess
- Pilot Hole Plug Plug #1 cement w/ 320sx 50/50 Poz/PPC cmt w/ .3% HR-601 + .3% CFR-3, 14.4ppg 1.23 yield 1275# 24hr CS 35% Excess from 12250' to +/-11425'
 Plug #2 cement w/ 300sx 50/50 Poz/PPC cmt w/ .3% HR-601 + .3% CFR-3, 14.4ppg 1.23 yield 1275# 24hr CS 35% Excess from 11425' to +/-10600'
 Plug #3 cement w/ 360sx H cmt w/ .75% CFR-3 + .3 % HR-601, 18.0ppg .89 yield 648# 24hr CS 35% excess from 10600' to +/-9900'
- 5-1/2" Production Cement w/ 650sx PP cmt w/ 14.8#/sx Silicalite 50/50 Blend + 15#/sx Schotchlite HGS-6000 + 3#/sx Kol-Seal + .125#/sx Poly-E-Flake + .25#/sx HR-800, 10.2ppg 2.94 yield 947# 24hr CS 100% Excess followed by 765sx Super H cmt w/ 3#/sx salt + .4% CFR-3 + .5% Halad-344 + .3% HR-800 + .125#/sx Poly-E-Flake + 3#/sx Ko;-Seal, 13.2ppg 1.66 yield 1673# 24hr CS 40% Excess. Calc TOC-3920'

Description of Cement Additives: Calcium Chloride, Salt (Accelerator); Silicalite (Additive Material); CFR-3 (Dispersant); Bentonite, Schotchlite HGS-6000 (Light Weight Additive); 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.

Proposed Mud Circulation System:

Depth	Mud Wt. ppg	Visc sec	Fluid Loss	Type System
0 - 1200'	8.5	28-38	NC	Fresh Water/Spud Mud
1200 - 4920'	10.2	28-32	NC	Fresh water/NaCl Brine
4920 - 12250' (Pilot Hole)	9.2	28-34	<10	Cut Brine/Sweeps
10235 - TD	9.2	32-50	<18	Cut Brine/Sweeps

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, water zones until such time as casing can be cemented into place for zonal isolation.

BOP Program:

Surface None
 Intermediate/Production 13-5/8" 10M three ram stack w/ 5M annular preventer, 5M Choke Manifold

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

Geological Marker	Depth	Type
a. Rustler	1150'	---
b. Top Salt	1550'	---
c. Anhydrite/Delaware/Lamar	4890'	Formation
d. Bell Canyon	4950'	Oil/Gas
e. Brushy Canyon	7190'	Oil/Gas
f. Bone Spring	8800'	Oil/Gas
g. 1st Bone Spring	9915'	Oil/Gas
h. 2nd Bone Spring	10240'	Oil/Gas
i. 3rd Bone Spring	11165'	Oil/Gas
j. Wolfcamp	12065'	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.

A closed loop system will be utilized consisting of above ground steel tanks and haul-off bins. Disposal of liquids, drilling fluids and cuttings will be disposed of at an approved facility.

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Red Tank 31 State #5H
Lea Co, New Mexico

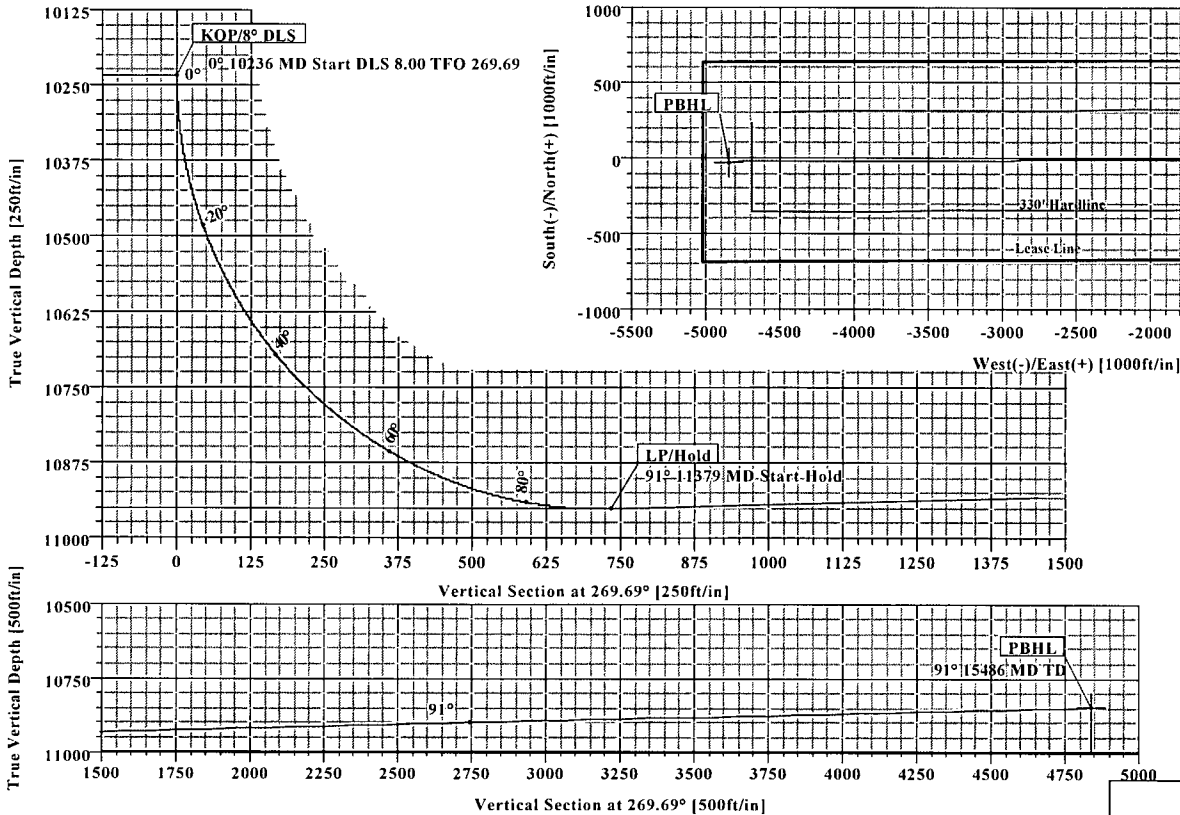
KB ELEV: 3741.50
GL ELEV: 3716.50

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	10235.53	0.00	0.00	10235.53	0.00	0.00	0.00	0.00	0.00	
3	11378.63	91.45	269.69	10951.50	-4.01	-734.28	8.00	269.69	734.29	
4	15486.47	91.45	269.69	10847.71	-26.42	-4840.75	0.00	0.00	-4840.82	PBHL

SITE DETAILS	
Red Tank 31 State #5H	
Site Centre Northing:	493134.40
Easting:	725516.10
Ground Level:	3716.50
Positional Uncertainty:	0.00
Convergence:	0.39

WELL DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Red Tank 31 State #5H	0.00	0.00	493134.40	725516.10	32°21'13.059N	103°36'10.949W

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	10847.71	-26.42	-4840.75	493107.98	720675.35	Point



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Plan: Plan #1 (Red Tank 31 State #5H/1)
Created By: Michael Dill Date: 5/22/2014



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WFT Plan Report X and Y's



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Company: Occidental Permian Ltd. **HOBBS OCD** Date: 5/22/2014 Time: 12:36:55 Page: 1
 Field: Lea Co, New Mexico (Nad 27) Co-ordinate(NE) Reference: Well: Red Tank 31 State #5H, Grid North
 Site: Red Tank 31 State #5H Vertical (TVD) Reference: SITE 3741.5
 Well: Red Tank 31 State #5H Section (VS) Reference: Well (0.00N,0.00E,269.69Azi)
 Wellpath: 1 Survey Calculation Method: Minimum Curvature Db: Sybase

JUN 04 2014

Plan: Plan #1 Date Composed: 5/22/2014
 Principal: Yes Version: 1
 Tied-to: User Defined

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Site: Red Tank 31 State #5H

Site Position: Northing: 493134.40 ft Latitude: 32 21 13.059 N
 From: Map Easting: 725516.10 ft Longitude: 103 36 10.949 W
 Position Uncertainty: 0.00 ft North Reference: Grid
 Ground Level: 3716.50 ft Grid Convergence: 0.39 deg

Well: Red Tank 31 State #5H Slot Name:
 Well Position: +N/-S 0.00 ft Northing: 493134.40 ft Latitude: 32 21 13.059 N
 +E/-W 0.00 ft Easting: 725516.10 ft Longitude: 103 36 10.949 W
 Position Uncertainty: 0.00 ft

Wellpath: 1 Drilled From: Surface
 Current Datum: SITE Tie-on Depth: 0.00 ft
 Magnetic Data: 5/22/2014 Height 3741.50 ft Above System Datum: Mean Sea Level
 Field Strength: 48423 nT Declination: 7.25 deg
 Vertical Section: Depth From (TVD) +N/-S Mag Dip Angle: 60.23 deg
 ft ft +E/-W Direction
 ft deg
 0.00 0.00 0.00 269.69

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10235.53	0.00	0.00	10235.53	0.00	0.00	0.00	0.00	0.00	0.00	
11378.63	91.45	269.69	10951.50	-4.01	-734.28	8.00	8.00	-7.90	269.69	
15486.47	91.45	269.69	10847.71	-26.42	-4840.75	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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
1000.00	0.00	0.00	1000.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
1100.00	0.00	0.00	1100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
1200.00	0.00	0.00	1200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
1300.00	0.00	0.00	1300.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
1400.00	0.00	0.00	1400.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
1500.00	0.00	0.00	1500.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
1600.00	0.00	0.00	1600.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
1700.00	0.00	0.00	1700.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
1800.00	0.00	0.00	1800.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
2000.00	0.00	0.00	2000.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
2200.00	0.00	0.00	2200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	



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WFT Plan Report X and Y's



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Company:	Occidental Permian Ltd.	Date:	5/22/2014	Time:	12:36:55	Page:	2
Field:	Lea Co. New Mexico (Nad 27)	Co-ordinate(NE) Reference:	Well: Red Tank 31 State #5H, Grid North				
Site:	Red Tank 31 State #5H	Vertical (TVD) Reference:	SITE 3741.5				
Well:	Red Tank 31 State #5H	Section (VS) Reference:	Well (0.00N,0.00E,269.69Azi)				
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
2300.00	0.00	0.00	2300.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
2400.00	0.00	0.00	2400.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
2500.00	0.00	0.00	2500.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
2600.00	0.00	0.00	2600.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
2700.00	0.00	0.00	2700.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
2800.00	0.00	0.00	2800.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
2900.00	0.00	0.00	2900.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
3000.00	0.00	0.00	3000.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
3100.00	0.00	0.00	3100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
3200.00	0.00	0.00	3200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
3300.00	0.00	0.00	3300.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
3400.00	0.00	0.00	3400.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
3600.00	0.00	0.00	3600.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
3700.00	0.00	0.00	3700.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
3800.00	0.00	0.00	3800.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
3900.00	0.00	0.00	3900.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
4100.00	0.00	0.00	4100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
4200.00	0.00	0.00	4200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
4300.00	0.00	0.00	4300.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
4400.00	0.00	0.00	4400.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
4500.00	0.00	0.00	4500.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
4600.00	0.00	0.00	4600.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
4700.00	0.00	0.00	4700.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
4800.00	0.00	0.00	4800.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
4900.00	0.00	0.00	4900.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
5200.00	0.00	0.00	5200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
5400.00	0.00	0.00	5400.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
5500.00	0.00	0.00	5500.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
5600.00	0.00	0.00	5600.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
5700.00	0.00	0.00	5700.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
5800.00	0.00	0.00	5800.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
5900.00	0.00	0.00	5900.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
6000.00	0.00	0.00	6000.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
6100.00	0.00	0.00	6100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
6200.00	0.00	0.00	6200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
6300.00	0.00	0.00	6300.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
6500.00	0.00	0.00	6500.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
6600.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
6700.00	0.00	0.00	6700.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
6800.00	0.00	0.00	6800.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
6900.00	0.00	0.00	6900.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
7000.00	0.00	0.00	7000.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
7100.00	0.00	0.00	7100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
7200.00	0.00	0.00	7200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
7300.00	0.00	0.00	7300.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
7400.00	0.00	0.00	7400.00	0.00	0.00	0.00	0.00	493134.40	725516.10	



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WFT Plan Report X and Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	5/22/2014	Time:	12:36:55	Page:	3
Field:	Lea Co. New Mexico (Nad 27)	Co-ordinate(N/E) Reference:	Well: Red Tank 31-State #5H, Grid North				
Site:	Red Tank 31 State #5H	Vertical (TVD) Reference:	SITE 3741.5				
Well:	Red Tank 31 State #5H	Section (VS) Reference:	Well (0.00N 0.00E 269.69Azi)				
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
7500.00	0.00	0.00	7500.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
7600.00	0.00	0.00	7600.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
7700.00	0.00	0.00	7700.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
7800.00	0.00	0.00	7800.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
7900.00	0.00	0.00	7900.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
8100.00	0.00	0.00	8100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
8200.00	0.00	0.00	8200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
8300.00	0.00	0.00	8300.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
8400.00	0.00	0.00	8400.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
8500.00	0.00	0.00	8500.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
8600.00	0.00	0.00	8600.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
8700.00	0.00	0.00	8700.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
8800.00	0.00	0.00	8800.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
8900.00	0.00	0.00	8900.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
9000.00	0.00	0.00	9000.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
9100.00	0.00	0.00	9100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
9200.00	0.00	0.00	9200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
9300.00	0.00	0.00	9300.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
9400.00	0.00	0.00	9400.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
9500.00	0.00	0.00	9500.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
9600.00	0.00	0.00	9600.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
9700.00	0.00	0.00	9700.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
9800.00	0.00	0.00	9800.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
9900.00	0.00	0.00	9900.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
10000.00	0.00	0.00	10000.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
10100.00	0.00	0.00	10100.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
10200.00	0.00	0.00	10200.00	0.00	0.00	0.00	0.00	493134.40	725516.10	
10235.53	0.00	0.00	10235.53	0.00	0.00	0.00	0.00	493134.40	725516.10	
10300.00	5.16	269.69	10299.91	-0.02	-2.90	2.90	8.00	493134.38	725513.20	KOP/8° DLS
10400.00	13.16	269.69	10398.56	-0.10	-18.80	18.80	8.00	493134.30	725497.30	
10500.00	21.16	269.69	10494.03	-0.26	-48.28	48.28	8.00	493134.14	725467.82	
10600.00	29.16	269.69	10584.47	-0.50	-90.75	90.75	8.00	493133.90	725425.35	
10700.00	37.16	269.69	10668.12	-0.79	-145.40	145.40	8.00	493133.61	725370.70	
10800.00	45.16	269.69	10743.35	-1.15	-211.16	211.16	8.00	493133.25	725304.94	
10900.00	53.16	269.69	10808.69	-1.57	-286.75	286.75	8.00	493132.83	725229.35	
11000.00	61.16	269.69	10862.88	-2.02	-370.70	370.70	8.00	493132.38	725145.40	
11100.00	69.16	269.69	10904.86	-2.52	-461.37	461.38	8.00	493131.88	725054.73	
11200.00	77.16	269.69	10933.81	-3.04	-557.00	557.01	8.00	493131.36	724959.10	
11300.00	85.16	269.69	10949.17	-3.58	-655.73	655.74	8.00	493130.82	724860.37	
11378.63	91.45	269.69	10951.50	-4.01	-734.28	734.29	8.00	493130.39	724781.82	LP/Hold
11400.00	91.45	269.69	10950.96	-4.12	-755.65	755.66	0.00	493130.28	724760.45	
11500.00	91.45	269.69	10948.43	-4.67	-855.61	855.63	0.00	493129.73	724660.49	
11600.00	91.45	269.69	10945.91	-5.22	-955.58	955.59	0.00	493129.18	724560.52	
11700.00	91.45	269.69	10943.38	-5.76	-1055.55	1055.56	0.00	493128.64	724460.55	
11800.00	91.45	269.69	10940.85	-6.31	-1155.51	1155.53	0.00	493128.09	724360.59	
11900.00	91.45	269.69	10938.33	-6.85	-1255.48	1255.50	0.00	493127.55	724260.62	
12000.00	91.45	269.69	10935.80	-7.40	-1355.45	1355.47	0.00	493127.00	724160.65	
12100.00	91.45	269.69	10933.27	-7.94	-1455.41	1455.44	0.00	493126.46	724060.69	
12200.00	91.45	269.69	10930.75	-8.49	-1555.38	1555.40	0.00	493125.91	723960.72	
12300.00	91.45	269.69	10928.22	-9.03	-1655.35	1655.37	0.00	493125.37	723860.75	
12400.00	91.45	269.69	10925.69	-9.58	-1755.31	1755.34	0.00	493124.82	723760.79	
12500.00	91.45	269.69	10923.17	-10.13	-1855.28	1855.31	0.00	493124.27	723660.82	



Weatherford International Ltd.

WFT Plan Report X and Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 5/22/2014	Time: 12:36:55	Page: 4
Field: Lea Co., New Mexico (Nad 27)	Co-ordinate(NE) Reference: Well: Red Tank 31 State #5H, Grid North		
Site: Red Tank 31 State #5H	Vertical (TVD) Reference: SITE 3741.5		
Well: Red Tank 31 State #5H	Section (VS) Reference: Well (0.00N,0.00E,269.69Azi)		
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
12600.00	91.45	269.69	10920.64	-10.67	-1955.25	1955.28	0.00	493123.73	723560.85	
12700.00	91.45	269.69	10918.11	-11.22	-2055.21	2055.24	0.00	493123.18	723460.89	
12800.00	91.45	269.69	10915.59	-11.76	-2155.18	2155.21	0.00	493122.64	723360.92	
12900.00	91.45	269.69	10913.06	-12.31	-2255.15	2255.18	0.00	493122.09	723260.95	
13000.00	91.45	269.69	10910.53	-12.85	-2355.11	2355.15	0.00	493121.55	723160.99	
13100.00	91.45	269.69	10908.01	-13.40	-2455.08	2455.12	0.00	493121.00	723061.02	
13200.00	91.45	269.69	10905.48	-13.95	-2555.05	2555.08	0.00	493120.45	722961.05	
13300.00	91.45	269.69	10902.95	-14.49	-2655.01	2655.05	0.00	493119.91	722861.09	
13400.00	91.45	269.69	10900.43	-15.04	-2754.98	2755.02	0.00	493119.36	722761.12	
13500.00	91.45	269.69	10897.90	-15.58	-2854.95	2854.99	0.00	493118.82	722661.15	
13600.00	91.45	269.69	10895.37	-16.13	-2954.91	2954.96	0.00	493118.27	722561.19	
13700.00	91.45	269.69	10892.85	-16.67	-3054.88	3054.92	0.00	493117.73	722461.22	
13800.00	91.45	269.69	10890.32	-17.22	-3154.85	3154.89	0.00	493117.18	722361.25	
13900.00	91.45	269.69	10887.79	-17.76	-3254.81	3254.86	0.00	493116.64	722261.29	
14000.00	91.45	269.69	10885.27	-18.31	-3354.78	3354.83	0.00	493116.09	722161.32	
14100.00	91.45	269.69	10882.74	-18.86	-3454.75	3454.80	0.00	493115.54	722061.35	
14200.00	91.45	269.69	10880.21	-19.40	-3554.71	3554.76	0.00	493115.00	721961.39	
14300.00	91.45	269.69	10877.69	-19.95	-3654.68	3654.73	0.00	493114.45	721861.42	
14400.00	91.45	269.69	10875.16	-20.49	-3754.64	3754.70	0.00	493113.91	721761.46	
14500.00	91.45	269.69	10872.63	-21.04	-3854.61	3854.67	0.00	493113.36	721661.49	
14600.00	91.45	269.69	10870.11	-21.58	-3954.58	3954.64	0.00	493112.82	721561.52	
14700.00	91.45	269.69	10867.58	-22.13	-4054.54	4054.61	0.00	493112.27	721461.56	
14800.00	91.45	269.69	10865.05	-22.67	-4154.51	4154.57	0.00	493111.73	721361.59	
14900.00	91.45	269.69	10862.53	-23.22	-4254.48	4254.54	0.00	493111.18	721261.62	
15000.00	91.45	269.69	10860.00	-23.77	-4354.44	4354.51	0.00	493110.63	721161.66	
15100.00	91.45	269.69	10857.47	-24.31	-4454.41	4454.48	0.00	493110.09	721061.69	
15200.00	91.45	269.69	10854.95	-24.86	-4554.38	4554.45	0.00	493109.54	720961.72	
15300.00	91.45	269.69	10852.42	-25.40	-4654.34	4654.41	0.00	493109.00	720861.76	
15400.00	91.45	269.69	10849.89	-25.95	-4754.31	4754.38	0.00	493108.45	720761.79	
15486.47	91.45	269.69	10847.71	-26.42	-4840.75	4840.82	0.00	493107.98	720675.35	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			10847.71	-26.42	-4840.75	493107.98	720675.35	32 21 13.121 N	103 37 7.380 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

Annotation

MD ft	TVD ft	
10235.53	10235.53	KOP/8° DLS
11378.63	10951.50	LP/Hold
15486.46	10847.71	PBHL