

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
October 13, 2009

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
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- 015-39407
1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Occidental Permian Ltd.		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 50250 Midland, TX 79710		7. Lease Name or Unit Agreement Name Devon 8 Fee
4. Well Location Unit Letter A : 990 feet from the north line and 330 feet from the east line Section 8 Township 25S Range 28E NMPM County Eddy		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3009' GR		9. OGRID Number 157984
		10. Pool name or Wildcat Hay Hollow Bone Springs, N.

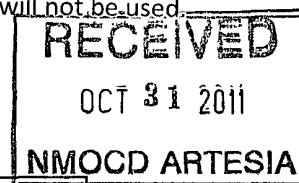
12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

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.

Occidental Permian Ltd. respectfully requests to amend the APD for the Devon 8 Fee #1H, API No. 30-015-39407 with the following changes.

1. Amend the proposed TD's. Pilot Hole-8600'TVD - Horizontal Lateral-8140'-TVD 12525'-TMD
2. The proposed completion with OH isolation packers with frac/sliding sleeves will not be used.
3. Amend pad size and change drilling rig, layout attached.
4. See attached for the amended production casing & cementing programs.
5. See attached for the amended proposed directional drilling plan.



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 Regulatory Advisor DATE 10/28/11

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

For State Use Only

APPROVED BY: T. C. Shepard TITLE Geologist DATE NOV 01 2011

Conditions of Approval (if any):

AMENDED APD

Operator Name/Number: **Occidental Permian Limited Partnership** 157984
 Lease Name/Number: **Devon 8 Fee #1H**
 Pool Name/Number: **Undesignated Hay Hollow Bone Spring, North** 30216
 Surface Location: **990 FNL 330 FEL NENE(A) Sec 8 T25S R28E**
 Bottom Hole Location: **750 FNL 350 FWL NWNW(D) Sec 8 T25S R28E**

C-102 Plats: 9/8/11 9/13/11 Elevation: 3009.3' GL

Proposed TD: Pilot Hole 8650' TVD Horizontal Lateral 8125' TVD 12525' TMD
 SL - Lat: 32.1490544 Long: 104.1016567 X= 571702.2 Y= 418024.6 NAD - 1927
 BH - Lat: 32.1496478 Long: 104.1167685 X= 567024.7 Y= 418230.8 NAD - 1927

Casing Program:

Hole Size	Interval	OD Csg	Weight	Collar	Grade	Condition	Collapse Design Factor	Burst Design Factor	Tension Design Factor
17-1/2"	435'	13-3/8"	48	ST&C	H-40	New	2.69	2.33	2.16
				Hole filled with 8.6# Mud			770#	1730#	
12-1/4"	2500'	9-5/8"	40	LT&C	J-55	New	3.14	1.26	1.81
				Hole filled with 10.2# Mud			2570#	3950#	
8-1/2"	12525'	5-1/2"	17	BT&C	L-80	New	1.65	1.29	1.8
				Hole filled with 9.4# Mud			6280#	7740#	

Collapse and burst loads calculated using Stress Check with anticipated loads

Cement Program:

- a. 13-3/8" Surface Circulate cement to surface w/ 435sx PP cmt w/ 2% CaCl₂, 14.8ppg 1.35 yield 1708# 24hr CS 150% Excess
- b. 9-5/8" Intermediate Circulate cement to surface w/ 850sx HES light PP cmt w/ 5% Salt + .125#/sx Poly-E-Flake + 5#/sx Gilsontite, 12.4ppg 2.10 yield 530# 24hr CS 105% Excess followed by 200sx PP cmt w/ 1% CaCl₂, 14.8ppg 1.34 yield 2125# 24hr CS 105% Excess
- c. 5-1/2" Production Cement 1st stage w/ 840sx HES Light PP cmt w/ 1#/sx Salt + 5#/sx Gilsontite + .125#/sx Poly-E-Flake + 0.4% CFR-3 + 0.3% HR-800, 11.9ppg 2.50 yield 416# 24hr CS 70% Excess followed by 1210sx Super H cmt w/ 3#/sx Gilsontite + 0.5% Halad R-344, 13.2ppg 1.62 yield 1817# 24hr CS 50% Excess, Calc TOC 2000'.
- d. Pilot Hole Plug Cement w/ 220sx CL H 50/50 Poz cmt w/ 0.5% CFR-3, 14.4ppg 1.25 yield 1960# 24hr CS 35% excess from 8650' to +/- 7885' followed by 260sx CI H 50/50 Poz cmt w/ 0.5% CFR-3, 14.4ppg 1.25 yield 1960# 24hr CS 35% Excess from 6600' to +/- 6000'. 9.4# mud between plugs.

Proposed Mud Circulation System:

Depth	Mud Wt. ppg	Visc sec	Fluid Loss	Type System
0 - 435'	8.4-9.2	38-42	NC	Fresh Water/Spud Mud
435 - 2500'	9.8-10.2	--	NC	Brine Water
2500 - 6000'	8.8-9.0	--	NC	Cut Brine
6000 - 8650' (Pilot)	9.0-9.4	34-36	8-10	Cut Brine Gel/LSND
6000 - 12525' (Curve/Lateral)	9.0-9.4	34-36	8-10	Cut Brine Gel/LSND

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

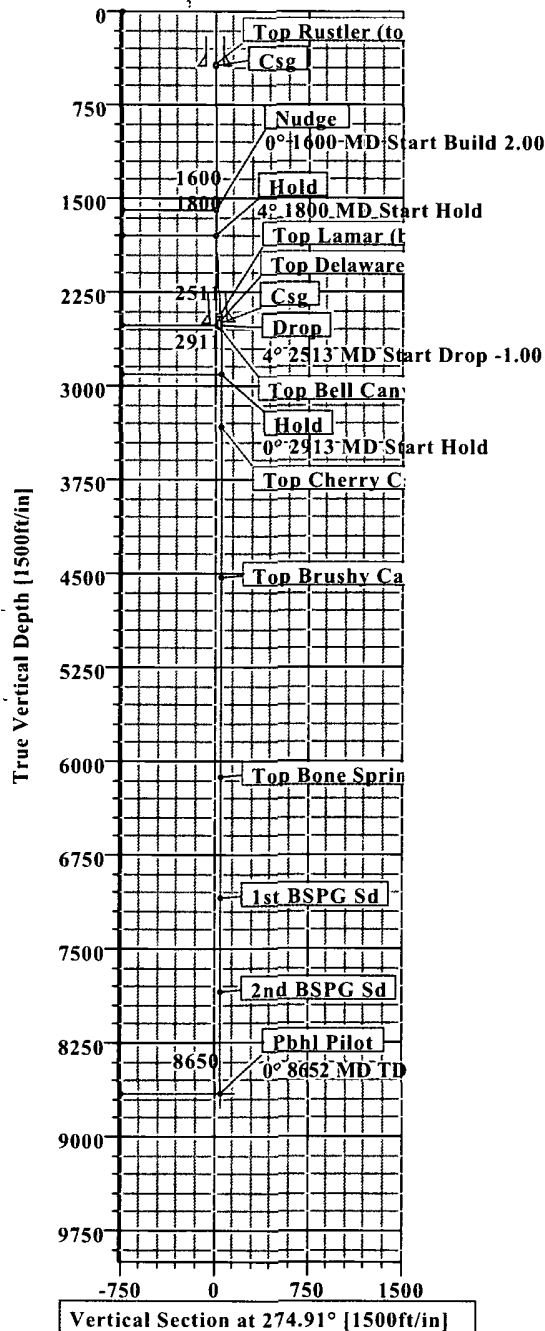
BOP Program (1):

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

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

Geological Marker	Depth
a. Rustler Anhydrite	414'
b. Bottom Salt	2434'
c. Delaware	2484'
d. Bell Canyon	2534'
e. Cherry Canyon	3324'
f. Brushy Canyon	4529'
g. Bone Spring	6124'
h. 1st Bone Spring	7032'
i. 2nd Bone Spring	7765'

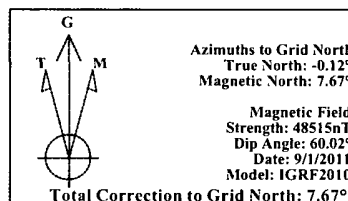
Devon 8 Fee #1H
Eddy Co, NM



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	314.58	0.00	0.00	0.00	0.00	0.00	0.00	
2	1600.00	0.00	314.58	1600.00	0.00	0.00	0.00	0.00	0.00	
3	1800.07	4.00	314.58	1799.91	4.90	-4.97	2.00	314.58	5.38	
4	2513.08	4.00	314.58	2511.18	39.83	-40.41	0.00	0.00	43.67	
5	2913.23	0.00	314.58	2911.00	49.63	-50.36	1.00	180.00	54.42	
6	8652.23	0.00	314.58	8650.00	49.63	-50.36	0.00	0.00	54.42	Pbhl Pilot

WELL DETAILS							
Name+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot	
1H	0.00	0.00	418024.60	571702.20	32°08'56.596N	104°06'05.964W	N/A

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
Pbhl Pilot	8650.00	49.63	-50.36	418074.23	571651.84	Point	



FIELD DETAILS

Eddy Co, NM (Nad 27)

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: IGRF2010

System Datum: Mean Sea Level
Local North: Grid North

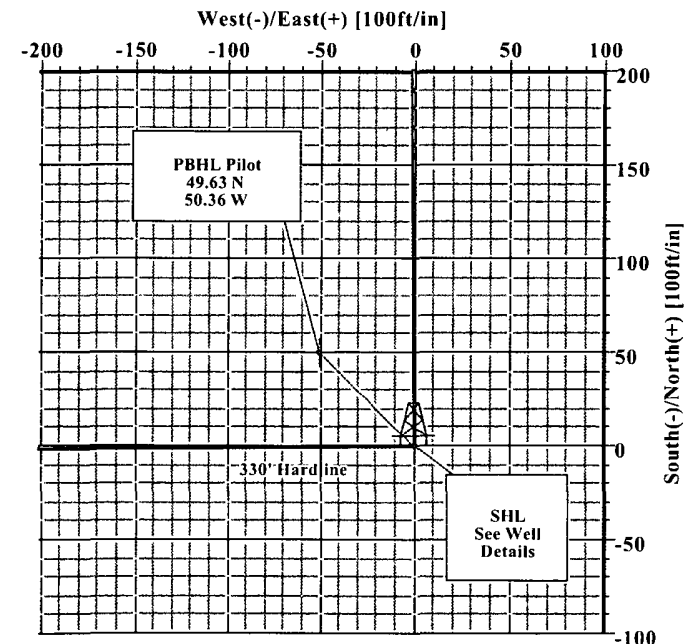
LEGEND	
1H (Pilot)	
Pilot	
Plan #2	

SITE DETAILS

Devon 8 Fee #1H

Site Centre Northing: 418024.60
Easting: 571702.20

Ground Level: 3009.30
Positional Uncertainty: 0.00
Convergence: 0.12





Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 10/11/2011	Time: 10:45:48	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well: 1H, Grid North		
Site: Devon 8 Fee #1H	Vertical (TVD) Reference: SITE 3035.3		
Well: 1H	Section (VS) Reference: Well (0.00N,0.00E,274.91Azi)		
Wellpath: Pilot	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #2	Date Composed: 10/11/2011
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Eddy Co, NM (Nad 27)	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site:		Devon 8 Fee #1H				
Site Position:		Northing:	418024.60	ft	Latitude:	32 8 56.596 N
From:	Map	Easting:	571702.20	ft	Longitude:	104 6 5.964 W
Position Uncertainty:			0.00	ft	North Reference:	Grid
Ground Level:			3009.30	ft	Grid Convergence:	0.12 deg

Well: 1H	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 8 56.596 N
+E/-W 0.00 ft	Longitude: 104 6 5.964 W
Position Uncertainty: 0.00 ft	

Wellpath: Pilot		Drilled From: Lateral	
Current Datum: SITE	Height 3035.30 ft	Tie-on Depth: 0.00 ft	
Magnetic Data: 9/1/2011		Above System Datum: Mean Sea Level	
Field Strength: 48515 nT		Declination: 7.80 deg	
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle: 60.02 deg	
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	274.91

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	314.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	314.58	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.07	4.00	314.58	1799.91	4.90	-4.97	2.00	2.00	0.00	314.58	
2513.08	4.00	314.58	2511.18	39.83	-40.41	0.00	0.00	0.00	0.00	
2913.23	0.00	314.58	2911.00	49.63	-50.36	1.00	-1.00	0.00	180.00	
8652.23	0.00	314.58	8650.00	49.63	-50.36	0.00	0.00	0.00	0.00	Pbhl Pilot

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
1600.00	0.00	314.58	1600.00	0.00	0.00	0.00	0.00	418024.60	571702.20	Nudge
1700.00	2.00	314.58	1699.98	1.22	-1.24	1.34	2.00	418025.82	571700.96	
1800.00	4.00	314.58	1799.84	4.90	-4.97	5.37	2.00	418029.50	571697.23	
1800.07	4.00	314.58	1799.91	4.90	-4.97	5.38	2.00	418029.50	571697.23	Hold
1900.00	4.00	314.58	1899.59	9.80	-9.94	10.74	0.00	418034.40	571692.26	
2000.00	4.00	314.58	1999.35	14.69	-14.91	16.11	0.00	418039.29	571687.29	
2100.00	4.00	314.58	2099.11	19.59	-19.88	21.49	0.00	418044.19	571682.32	
2200.00	4.00	314.58	2198.86	24.49	-24.85	26.86	0.00	418049.09	571677.35	
2300.00	4.00	314.58	2298.62	29.39	-29.82	32.23	0.00	418053.99	571672.38	
2400.00	4.00	314.58	2398.37	34.29	-34.79	37.60	0.00	418058.89	571667.41	
2436.71	4.00	314.58	2435.00	36.09	-36.62	39.57	0.00	418060.69	571665.58	Top Lamar (base sa
2486.84	4.00	314.58	2485.00	38.54	-39.11	42.26	0.00	418063.14	571663.09	Top Delaware
2500.00	4.00	314.58	2498.13	39.19	-39.76	42.97	0.00	418063.79	571662.44	
2501.87	4.00	314.58	2500.00	39.28	-39.85	43.07	0.00	418063.88	571662.35	Csg
2513.08	4.00	314.58	2511.18	39.83	-40.41	43.67	0.00	418064.43	571661.79	Drop



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Devon 8 Fee #1H
Well: 1H
Wellpath: Pilot

Date: 10/11/2011 **Time:** 10:45:48 **Page:** 2
Co-ordinate(NE) Reference: Well: 1H, Grid North
Vertical (TVD) Reference: SITE 3035.3
Section (VS) Reference: Well (0.00N,0.00E,274.91Azi)
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
2536.96	3.76	314.58	2535.00	40.96	-41.56	44.92	1.00	418065.56	571660.64	Top Bell Canyon
2600.00	3.13	314.58	2597.93	43.62	-44.26	47.83	1.00	418068.22	571657.94	
2700.00	2.13	314.58	2697.82	46.85	-47.53	51.37	1.00	418071.45	571654.67	
2800.00	1.13	314.58	2797.78	48.84	-49.56	53.56	1.00	418073.44	571652.64	
2900.00	0.13	314.58	2897.77	49.62	-50.35	54.41	1.00	418074.22	571651.85	
2913.23	0.00	314.58	2911.00	49.63	-50.36	54.42	1.00	418074.23	571651.84	Hold
3000.00	0.00	314.58	2997.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
3100.00	0.00	314.58	3097.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
3200.00	0.00	314.58	3197.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
3300.00	0.00	314.58	3297.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
3327.23	0.00	314.58	3325.00	49.63	-50.36	54.42	0.00	418074.23	571651.84	Top Cherry Canyon
3400.00	0.00	314.58	3397.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
3500.00	0.00	314.58	3497.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
3600.00	0.00	314.58	3597.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
3700.00	0.00	314.58	3697.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
3800.00	0.00	314.58	3797.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	Top Brushy Canyon
3900.00	0.00	314.58	3897.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4000.00	0.00	314.58	3997.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4100.00	0.00	314.58	4097.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4200.00	0.00	314.58	4197.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4300.00	0.00	314.58	4297.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4400.00	0.00	314.58	4397.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4500.00	0.00	314.58	4497.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4532.23	0.00	314.58	4530.00	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4600.00	0.00	314.58	4597.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4700.00	0.00	314.58	4697.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4800.00	0.00	314.58	4797.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
4900.00	0.00	314.58	4897.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
5000.00	0.00	314.58	4997.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
5100.00	0.00	314.58	5097.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
5200.00	0.00	314.58	5197.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	Top Bone Spring
5300.00	0.00	314.58	5297.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
5400.00	0.00	314.58	5397.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
5500.00	0.00	314.58	5497.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
5600.00	0.00	314.58	5597.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
5700.00	0.00	314.58	5697.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
5800.00	0.00	314.58	5797.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
5900.00	0.00	314.58	5897.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
6000.00	0.00	314.58	5997.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
6100.00	0.00	314.58	6097.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
6127.23	0.00	314.58	6125.00	49.63	-50.36	54.42	0.00	418074.23	571651.84	
6200.00	0.00	314.58	6197.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
6300.00	0.00	314.58	6297.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
6400.00	0.00	314.58	6397.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
6500.00	0.00	314.58	6497.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
6600.00	0.00	314.58	6597.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	1st BSPG Sd
6700.00	0.00	314.58	6697.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
6800.00	0.00	314.58	6797.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
6900.00	0.00	314.58	6897.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
7000.00	0.00	314.58	6997.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
7092.23	0.00	314.58	7090.00	49.63	-50.36	54.42	0.00	418074.23	571651.84	1st BSPG Sd
7100.00	0.00	314.58	7097.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
7200.00	0.00	314.58	7197.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Devon 8 Fee #1H
Well: 1H
Wellpath: Pilot

Date: 10/11/2011
Co-ordinate(NE) Reference: Well 1H, Grid North
Vertical (TVD) Reference: SITE 3035.3
Section (VS) Reference: Well (0.00N,0.00E,274.91Azi)
Survey Calculation Method: Minimum Curvature
Db: Sybase

Time: 10:45:48
Page: 3

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
7300.00	0.00	314.58	7297.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
7400.00	0.00	314.58	7397.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
7500.00	0.00	314.58	7497.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
7600.00	0.00	314.58	7597.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
7700.00	0.00	314.58	7697.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
7800.00	0.00	314.58	7797.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
7852.23	0.00	314.58	7850.00	49.63	-50.36	54.42	0.00	418074.23	571651.84	2nd BSPG Sd
7900.00	0.00	314.58	7897.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
8000.00	0.00	314.58	7997.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
8100.00	0.00	314.58	8097.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
8200.00	0.00	314.58	8197.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
8300.00	0.00	314.58	8297.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
8400.00	0.00	314.58	8397.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
8500.00	0.00	314.58	8497.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
8600.00	0.00	314.58	8597.77	49.63	-50.36	54.42	0.00	418074.23	571651.84	
8652.23	0.00	314.58	8650.00	49.63	-50.36	54.42	0.00	418074.23	571651.84	Pbhl Pilot

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 Pilot			8650.00	49.63	-50.36	418074.23	571651.84	32	8	57.088	N	104 6 6 549 W
-Plan hit target												

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
435.00	435.00	0.000	0.000	Csg
2501.87	2500.00	0.000	0.000	Csg

Annotation

MD ft	TVD ft	
1600.00	1600.00	Nudge
1800.07	1799.91	Hold
2513.08	2511.18	Drop
2913.23	2911.00	Hold
8652.22	8649.99	Pbhl Pilot

Formations

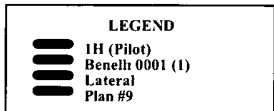
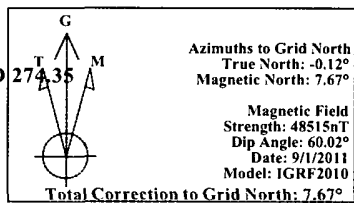
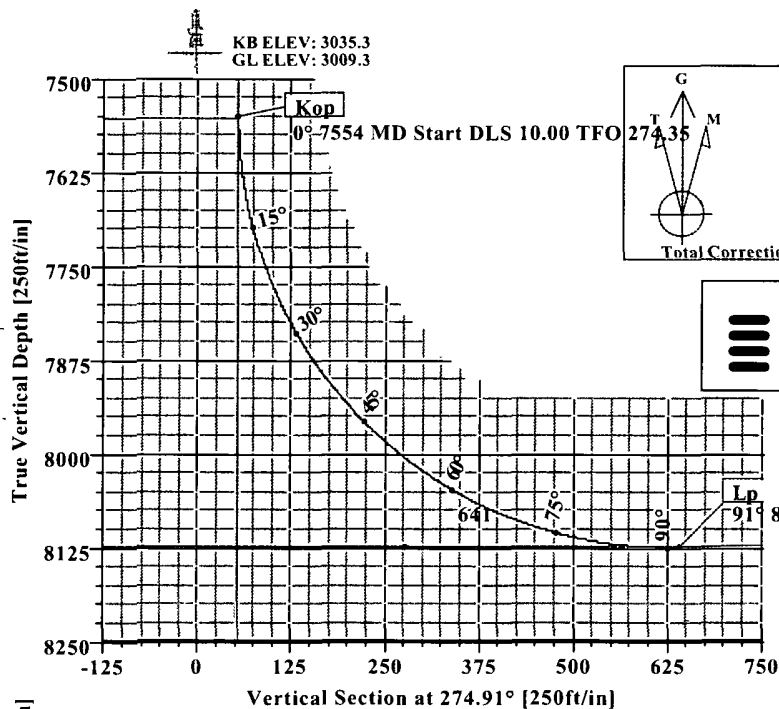
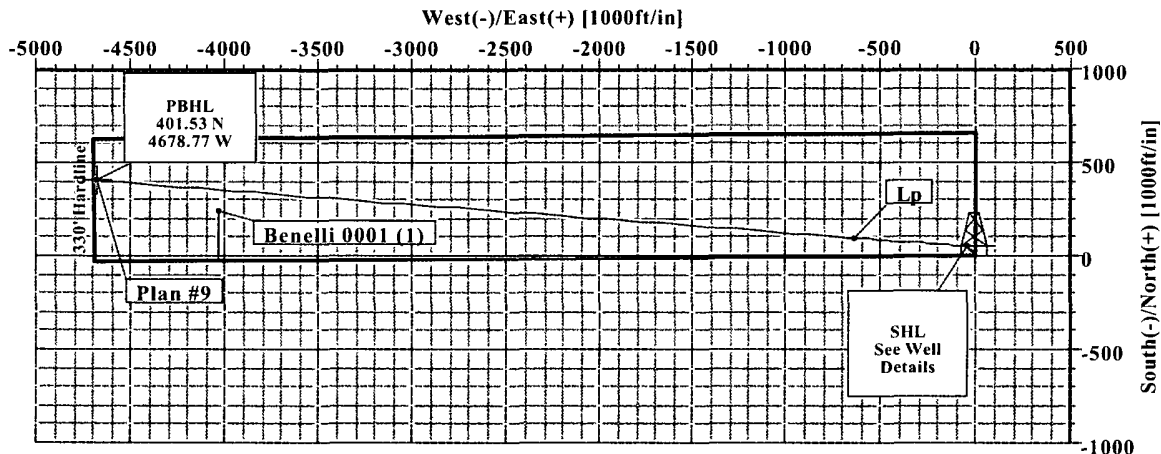
MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
415.00	415.00	Top Rustler (top salt)		0.00	0.00
2436.71	2435.00	Top Lamar (base salt)		0.00	0.00
2486.84	2485.00	Top Delaware		0.00	0.00
2536.96	2535.00	Top Bell Canyon		0.00	0.00
3327.23	3325.00	Top Cherry Canyon		0.00	0.00
4532.23	4530.00	Top Brushy Canyon		0.00	0.00
6127.23	6125.00	Top Bone Spring		0.00	0.00
7092.23	7090.00	1st BSPG Sd		0.00	0.00
7852.23	7850.00	2nd BSPG Sd		0.00	0.00



Devon 8 Fee #1H
Eddy Co, NM



Weatherford



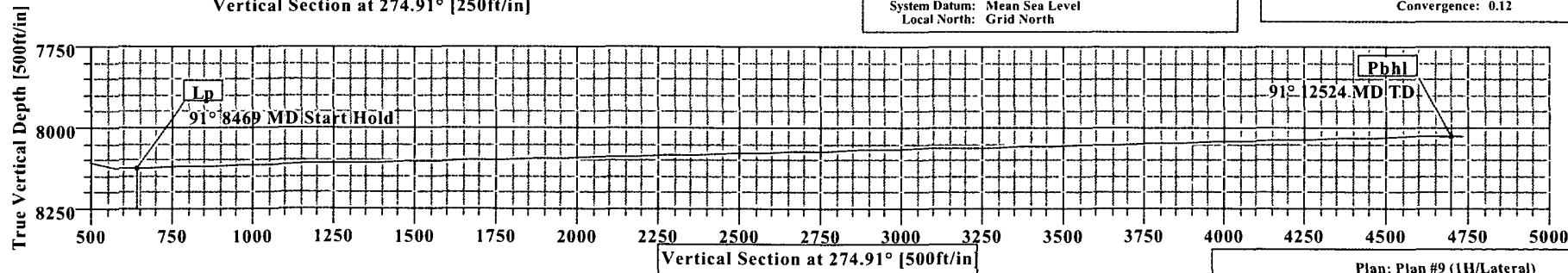
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	7554.44	0.00	314.58	7552.21	49.63	-50.36	0.00	0.00	54.42	
2	8468.57	91.41	274.35	8125.00	94.14	-635.75	10.00	274.35	641.48	
3	12524.48	91.41	274.35	8025.00	401.53	-4678.77	0.00	0.00	4695.97	PBHL

WELL DETAILS						
Name+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
1H	0.00	0.00	418024.60	32°08'56.596N	104°06'05.964W	N/A

TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8025.00	401.53	-4678.77	418426.13	567023.43	Point

FIELD DETAILS	
Eddy Co, NM (Nad 27)	
Geodetic System:	US State Plane Coordinate System 1927
Ellipsoid:	NAD27 (Clarke 1866)
Zone:	New Mexico, Eastern Zone
Magnetic Model:	IGRF2010
System Datum:	Mean Sea Level
Local North:	Grid North

SITE DETAILS	
Devon 8 Fee #1H	
Site Centre Northing:	418024.60
Easting:	571702.20
Ground Level:	3009.30
Positional Uncertainty:	0.00
Convergence:	0.12





Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 10/11/2011	Time: 11:33:25	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well: 1H, Grid North		
Site: Devon 8 Fee #1H	Vertical (TVD) Reference: SITE 3035.3		
Well: 1H	Section (VS) Reference: Well (0.00N;0.00E;274.91Azi)		
Wellpath: Lateral	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #9	Date Composed: 9/1/2011
Principal: Yes	Version: 1
	Tied-to: User Defined

Field: Eddy Co, NM (Nad 27)	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: Devon 8 Fee #1H	
Site Position:	Northing: 418024.60 ft
From: Map	Easting: 571702.20 ft
Position Uncertainty: 0.00 ft	Latitude: 32 8 56.596 N
Ground Level: 3009.30 ft	Longitude: 104 6 5.964 W
	North Reference: Grid
	Grid Convergence: 0.12 deg

Well: 1H	Slot Name:
Well Position: +N/-S 0.00 ft	Latitude: 32 8 56.596 N
+E/-W 0.00 ft	Longitude: 104 6 5.964 W
Position Uncertainty: 0.00 ft	

Wellpath: Lateral	Drilled From: Pilot
Current Datum: SITE	Tie-on Depth: 7554.44 ft
Magnetic Data: 9/1/2011	Above System Datum: Mean Sea Level
Field Strength: 48515 nT	Declination: 7 80 deg
Vertical Section: Depth From (TVD) ft	Mag Dip Angle: 60.02 deg
	+N/-S ft
	+E/-W ft
	Direction deg
0.00	0.00
0.00	0.00
0.00	274.91

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	
7554.44	0.00	314.58	7552.21	49.63	-50.36	0.00	0.00	0.00	0.00		
8468.57	91.41	274.35	8125.00	94.14	-635.75	10.00	10.00	-4.40	274.35		
12524.48	91.41	274.35	8025.00	401.53	-4678.77	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	
7554.44	0.00	314.58	7552.21	49.63	-50.36	54.42	0.00	418074.23	571651.84	Kop	
7600.00	4.56	274.35	7597.73	49.77	-52.17	56.23	10.00	418074.37	571650.03		
7700.00	14.56	274.35	7696.21	51.02	-68.70	72.81	10.00	418075.62	571633.50		
7800.00	24.56	274.35	7790.33	53.56	-102.03	106.24	10.00	418078.16	571600.17		
7900.00	34.56	274.35	7877.20	57.29	-151.15	155.50	10.00	418081.89	571551.05		
8000.00	44.56	274.35	7954.20	62.12	-214.57	219.10	10.00	418086.72	571487.63		
8100.00	54.56	274.35	8018.99	67.88	-290.36	295.11	10.00	418092.48	571411.84		
8200.00	64.56	274.35	8069.60	74.41	-376.22	381.21	10.00	418099.01	571325.98		
8300.00	74.56	274.35	8104.48	81.50	-469.53	474.78	10.00	418106.10	571232.67		
8400.00	84.56	274.35	8122.59	88.95	-567.47	573.00	10.00	418113.55	571134.73		
8468.57	91.41	274.35	8125.00	94.14	-635.75	641.48	10.00	418118.74	571066.45	Lp	
8500.00	91.41	274.35	8124.22	96.52	-667.09	672.90	0.00	418121.12	571035.11		
8600.00	91.41	274.35	8121.76	104.10	-766.77	772.86	0.00	418128.70	570935.43		
8700.00	91.41	274.35	8119.29	111.68	-866.45	872.83	0.00	418136.28	570835.75		
8800.00	91.41	274.35	8116.83	119.26	-966.13	972.79	0.00	418143.86	570736.07		
8900.00	91.41	274.35	8114.36	126.84	-1065.81	1072.76	0.00	418151.44	570636.39		
9000.00	91.41	274.35	8111.90	134.41	-1165.50	1172.72	0.00	418159.01	570536.70		
9100.00	91.41	274.35	8109.43	141.99	-1265.18	1272.69	0.00	418166.59	570437.02		



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd.
Field: Eddy Co. NM (Nad 27)
Site: Devon 8 Fee #1H
Well: 1H
Wellpath: Lateral

Date: 10/11/2011 Time: 11:33:25 Page: 2
Co-ordinate(NE) Reference: Well: 1H, Grid North
Vertical (TVD) Reference: SITE 3035.3
Section (VS) Reference: Well (0.00N,0.00E,274.91Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DES deg/100ft	MapN ft	MapE ft	Comment
9200.00	91.41	274.35	8106.96	149.57	-1364.86	1372.65	0.00	418174.17	570337.34	
9300.00	91.41	274.35	8104.50	157.15	-1464.54	1472.62	0.00	418181.75	570237.66	
9400.00	91.41	274.35	8102.03	164.73	-1564.22	1572.58	0.00	418189.33	570137.98	
9500.00	91.41	274.35	8099.57	172.31	-1663.91	1672.55	0.00	418196.91	570038.29	
9600.00	91.41	274.35	8097.10	179.89	-1763.59	1772.51	0.00	418204.49	569938.61	
9700.00	91.41	274.35	8094.64	187.47	-1863.27	1872.48	0.00	418212.07	569838.93	
9800.00	91.41	274.35	8092.17	195.05	-1962.95	1972.44	0.00	418219.65	569739.25	
9900.00	91.41	274.35	8089.71	202.62	-2062.63	2072.41	0.00	418227.22	569639.57	
10000.00	91.41	274.35	8087.24	210.20	-2162.32	2172.37	0.00	418234.80	569539.88	
10100.00	91.41	274.35	8084.78	217.78	-2262.00	2272.34	0.00	418242.38	569440.20	
10200.00	91.41	274.35	8082.31	225.36	-2361.68	2372.30	0.00	418249.96	569340.52	
10300.00	91.41	274.35	8079.84	232.94	-2461.36	2472.27	0.00	418257.54	569240.84	
10400.00	91.41	274.35	8077.38	240.52	-2561.04	2572.23	0.00	418265.12	569141.16	
10500.00	91.41	274.35	8074.91	248.10	-2660.72	2672.20	0.00	418272.70	569041.48	
10600.00	91.41	274.35	8072.45	255.68	-2760.41	2772.16	0.00	418280.28	568941.79	
10700.00	91.41	274.35	8069.98	263.25	-2860.09	2872.13	0.00	418287.85	568842.11	
10800.00	91.41	274.35	8067.52	270.83	-2959.77	2972.09	0.00	418295.43	568742.43	
10900.00	91.41	274.35	8065.05	278.41	-3059.45	3072.06	0.00	418303.01	568642.75	
11000.00	91.41	274.35	8062.59	285.99	-3159.13	3172.02	0.00	418310.59	568543.07	
11100.00	91.41	274.35	8060.12	293.57	-3258.82	3271.98	0.00	418318.17	568443.38	
11200.00	91.41	274.35	8057.65	301.15	-3358.50	3371.95	0.00	418325.75	568343.70	
11300.00	91.41	274.35	8055.19	308.73	-3458.18	3471.91	0.00	418333.33	568244.02	
11400.00	91.41	274.35	8052.72	316.31	-3557.86	3571.88	0.00	418340.91	568144.34	
11500.00	91.41	274.35	8050.26	323.89	-3657.54	3671.84	0.00	418348.49	568044.66	
11600.00	91.41	274.35	8047.79	331.46	-3757.23	3771.81	0.00	418356.06	567944.97	
11700.00	91.41	274.35	8045.33	339.04	-3856.91	3871.77	0.00	418363.64	567845.29	
11800.00	91.41	274.35	8042.86	346.62	-3956.59	3971.74	0.00	418371.22	567745.61	
11900.00	91.41	274.35	8040.40	354.20	-4056.27	4071.70	0.00	418378.80	567645.93	
12000.00	91.41	274.35	8037.93	361.78	-4155.95	4171.67	0.00	418386.38	567546.25	
12100.00	91.41	274.35	8035.47	369.36	-4255.64	4271.63	0.00	418393.96	567446.56	
12200.00	91.41	274.35	8033.00	376.94	-4355.32	4371.60	0.00	418401.54	567346.88	
12300.00	91.41	274.35	8030.53	384.52	-4455.00	4471.56	0.00	418409.12	567247.20	
12400.00	91.41	274.35	8028.07	392.10	-4554.68	4571.53	0.00	418416.70	567147.52	
12500.00	91.41	274.35	8025.60	399.67	-4654.36	4671.49	0.00	418424.27	567047.84	
12524.48	91.41	274.35	8025.00	401.53	-4678.77	4695.97	0.00	418426.13	567023.43	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			8025.00	401.53	-4678.77	418426.13	567023.43	32	9	0.666 N	104	7	0.377 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2530.00	2528.06	9.625	9.625	9 5/8"



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company:	Occidental Permian Ltd.	Date:	10/11/2011	Time:	11:33:25	Page:	3
Field:	Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: 1H, Grid North				
Site:	Devon 8.Fee #1H	Vertical (TVD) Reference:	SITE 3035 3				
Well:	1H	Section (VS) Reference:	Well (0.00N,0.00E,274.91Azi)				
Wellpath:	Lateral	Survey Calculation Method:	Minimum Curvature Db: Sybase				

Annotation

MD ft	TVD ft	
7554.44	7552.21	Kop
8468.57	8125.00	Lp
12524.48	8025.00	Pbhl

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
	0.00	Top Bone Spring		0.00	0.00
	0.00	Top Upper Avalon Shale		0.00	0.00

OXY FLEX III PAD (SCOMI Closed Loop System)

Level Area-No Caliche-For Offices and Living Quarters

