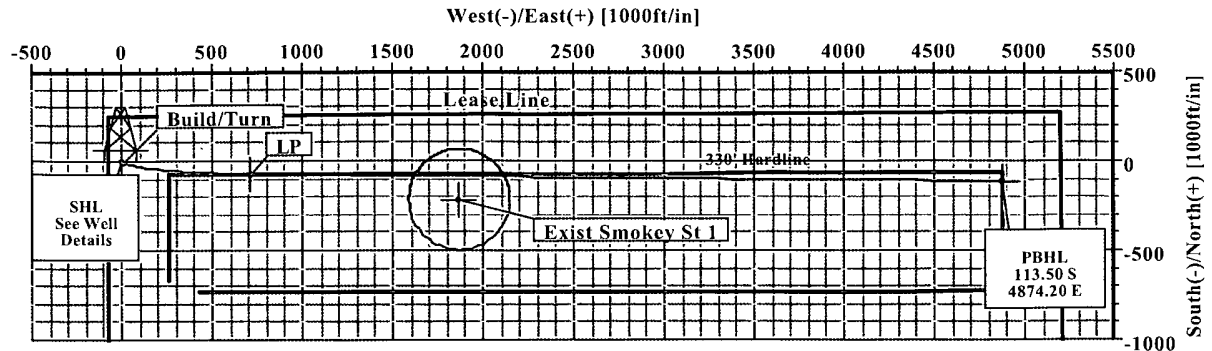
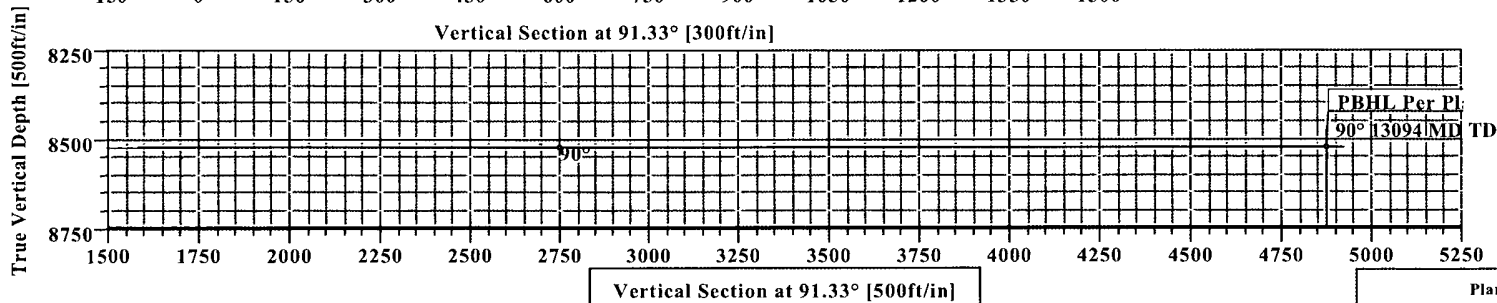
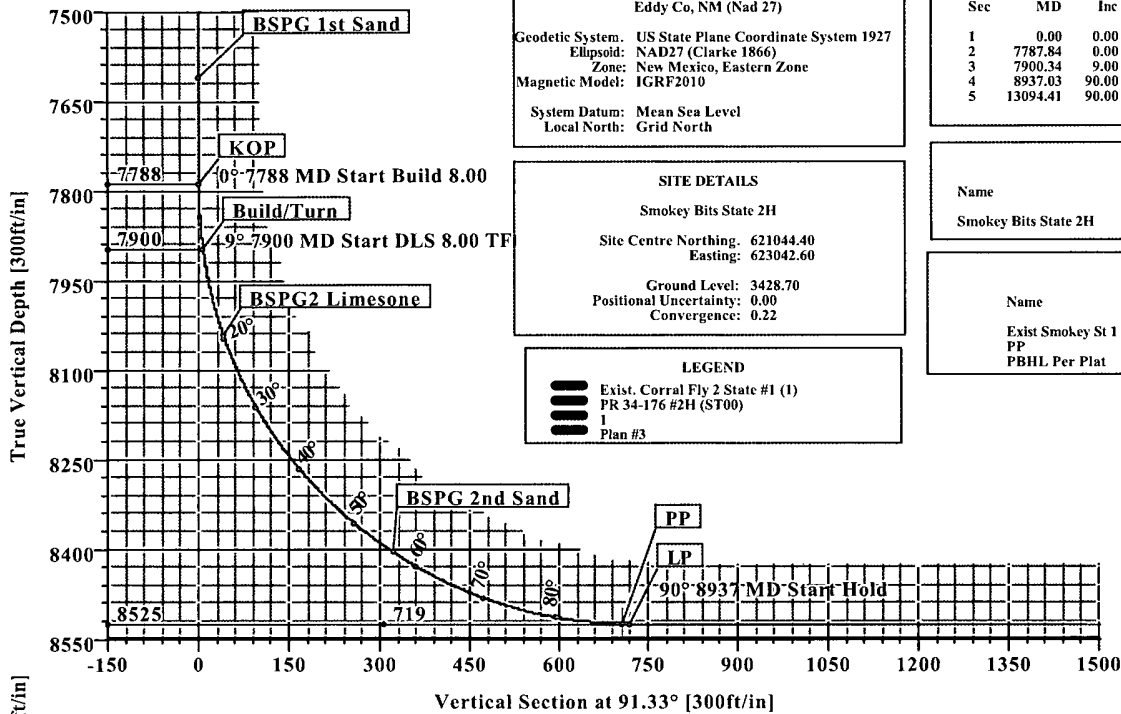




Occidental Permian Ltd.

Smokey Bits State 2H
Eddy Co, New Mexico

KB ELEV: 3556.6
GL ELEV: 3531.6



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

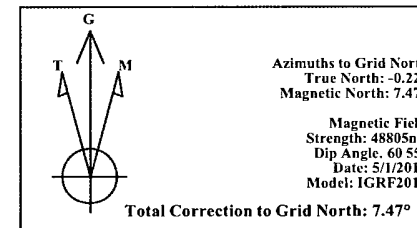
SITE DETAILS	
Smokey Bits State 2H	
Site Centre Northing:	621044.40
Easting:	623042.60
Ground Level:	3428.70
Positional Uncertainty:	0.00
Convergence:	0.22

LEGEND	
	Exist. Corral Fly 2 State #1 (1)
	PR 34-176 #2H (ST00)
	Plan #3

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	7787.84	0.00	0.00	7787.84	0.00	0.00	0.00	0.00	0.00	
3	7900.34	9.00	128.72	7899.88	-5.52	6.88	8.00	128.72	7.01	
4	8937.03	90.00	90.55	8525.00	-73.53	717.02	8.00	-38.51	718.53	
5	13094.41	90.00	90.55	8525.00	-113.50	4874.20	0.00	0.00	4875.52	PBHL Per Plat

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Smokey Bits State 2H	0.00	0.00	621044.40	623042.60	32°42'24.158N	103°55'59.944W	N/A

TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape	
Exist Smokey St 1	0.00	-214.08	1868.81	620830.32	624911.41	Circle (Radius: 281)	
PP	8525.00	-73.40	705.30	620971.00	623747.90	Point	
PBHL Per Plat	8525.00	-113.50	4874.20	620930.90	627916.80	Point	



Azimuths to Grid North
True North: -0.22°
Magnetic North: 7.47°

Magnetic Field
Strength: 48805nT
Dip Angle: 60.55°
Date: 5/1/2012
Model: IGRF2010

Total Correction to Grid North: 7.47°



Plan: Plan #3 (Smokey Bits State 2H/1)
Created By: Patrick Rudolph
Date: 4/11/2012

15-40196



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd	Date: 4/11/2012	Time: 12:03:07	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: Smokey Bits State 2H, Grid North	
Site: Smokey Bits State 2H	Vertical (TVD) Reference:	SITE 3453 7	
Well: Smokey Bits State 2H	Section (VS) Reference:	Well (0 00N,0.00E,91.33Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Plan: Plan #3	Date Composed: 1/9/2012
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: Eddy Co, NM (Nad 27)

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: IGRF2010

Site: Smokey Bits State 2H

Site Position:	Northing: 621044.40 ft	Latitude: 32 42 24 158 N
From: Map	Easting: 623042.60 ft	Longitude: 103 55 59.944 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 3428.70 ft		Grid Convergence: 0.22 deg

Well: Smokey Bits State 2H

Slot Name:

Well Position:	+N/-S 0.00 ft	Northing: 621044.40 ft	Latitude: 32 42 24.158 N
	+E/-W 0.00 ft	Easting : 623042.60 ft	Longitude: 103 55 59.944 W
Position Uncertainty: 0.00 ft			

Wellpath: 1

Current Datum: SITE	Height 3453.70 ft	Drilled From: Surface
Magnetic Data: 5/1/2012		Tie-on Depth: 0.00 ft
Field Strength: 48805 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)		Declination: 7.68 deg
ft	+N/-S ft	Mag Dip Angle: 60.55 deg
	+E/-W ft	Direction deg
0.00	0.00	91 33

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	
7787.84	0 00	0.00	7787.84	0.00	0.00	0.00	0.00	0.00	0.00	
7900.34	9 00	128.72	7899.88	-5 52	6 88	8.00	8.00	0.00	128.72	
8937.03	90 00	90.55	8525.00	-73.53	717 02	8 00	7 81	-3 68	-38 51	
13094 41	90 00	90.55	8525.00	-113 50	4874 20	0 00	0.00	0 00	0 00	PBHL Per Plat

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
7700.00	0 00	0 00	7700 00	0.00	0.00	0 00	0.00	621044 40	623042.60	
7787 84	0 00	0 00	7787 84	0.00	0.00	0 00	0.00	621044 40	623042.60	KOP
7800 00	0 97	128.72	7800.00	-0.06	0.08	0 08	8 00	621044 34	623042.68	
7850 00	4 97	128.72	7849.92	-1 69	2.10	2 14	8 00	621042 71	623044.70	
7900 34	9 00	128.72	7899.88	-5 52	6.88	7.01	8 00	621038.88	623049.48	Build/Turn
7950 00	12.36	117.09	7948.68	-10.37	14.64	14.88	8 00	621034 03	623057 24	
8000 00	16.02	110.48	7997.15	-15 22	25.87	26.22	8 00	621029 18	623068.47	
8046 06	19.51	106.59	8041.00	-19.64	39 20	39.65	8 00	621024 76	623081.80	BSPG2 Limestone
8050 00	19.81	106.32	8044.71	-20 02	40.48	40.93	8.00	621024 38	623083.08	
8100 00	23.67	103.45	8091 15	-24.73	58.38	58.94	8 00	621019.67	623100.98	
8150.00	27.57	101 36	8136.23	-29.35	79.49	80.15	8 00	621015 05	623122 09	
8200.00	31.49	99 75	8179 73	-33.84	103.71	104 47	8.00	621010.56	623146.31	
8250.00	35.42	98.46	8221.43	-38.18	130 92	131 78	8.00	621006.22	623173.52	
8300.00	39 37	97.40	8261 15	-42.36	161.00	161 94	8.00	621002 04	623203 60	
8350.00	43 33	96.51	8298 68	-46.35	193.78	194.80	8 00	620998 05	623236.38	
8400 00	47.29	95.73	8333 83	-50 13	229.12	230.22	8.00	620994.27	623271.72	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Smokey Bits State 2H
Well: Smokey Bits State 2H
Wellpath: 1

Date: 4/11/2012 Time: 12:03:07 Page: 2
Co-ordinate(NE) Reference: Well: Smokey Bits State 2H, Grid North
Vertical (TVD) Reference: SITE 3453.7
Section (VS) Reference: Well (0.00N,0.00E,91.33Azi)
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
8450.00	51.26	95.06	8366.45	-53.68	266.83	268.01	8.00	620990.72	623309.43	BSPG 2nd Sand
8500.00	55.23	94.45	8396.36	-57.00	306.75	307.99	8.00	620987.40	623349.35	
8517.19	56.59	94.25	8406.00	-58.08	320.94	322.21	8.00	620986.32	623363.54	
8550.00	59.20	93.90	8423.43	-60.05	348.66	349.96	8.00	620984.35	623391.26	
8600.00	63.18	93.39	8447.53	-62.83	392.38	393.73	8.00	620981.57	623434.98	LP
8650.00	67.15	92.91	8468.52	-65.32	437.67	439.07	8.00	620979.08	623480.27	
8700.00	71.13	92.47	8486.32	-67.51	484.34	485.77	8.00	620976.89	623526.94	
8750.00	75.11	92.04	8500.84	-69.39	532.14	533.60	8.00	620975.01	623574.74	
8800.00	79.09	91.63	8512.00	-70.95	580.84	582.33	8.00	620973.45	623623.44	
8850.00	83.07	91.23	8519.75	-72.18	630.21	631.71	8.00	620972.22	623672.81	
8900.00	87.05	90.84	8524.05	-73.08	680.00	681.52	8.00	620971.32	623722.60	
8937.03	90.00	90.55	8525.00	-73.53	717.02	718.53	8.00	620970.87	623759.62	
9000.00	90.00	90.55	8525.00	-74.14	779.98	781.49	0.00	620970.26	623822.58	
9100.00	90.00	90.55	8525.00	-75.10	879.98	881.48	0.00	620969.30	623922.58	
9200.00	90.00	90.55	8525.00	-76.06	979.97	981.47	0.00	620968.34	624022.57	
9300.00	90.00	90.55	8525.00	-77.02	1079.97	1081.47	0.00	620967.38	624122.57	
9400.00	90.00	90.55	8525.00	-77.98	1179.96	1181.46	0.00	620966.42	624222.56	
9500.00	90.00	90.55	8525.00	-78.94	1279.96	1281.45	0.00	620965.46	624322.56	
9600.00	90.00	90.55	8525.00	-79.91	1379.95	1381.44	0.00	620964.49	624422.55	
9700.00	90.00	90.55	8525.00	-80.87	1479.95	1481.43	0.00	620963.53	624522.55	
9800.00	90.00	90.55	8525.00	-81.83	1579.95	1581.42	0.00	620962.57	624622.55	
9900.00	90.00	90.55	8525.00	-82.79	1679.94	1681.41	0.00	620961.61	624722.54	
10000.00	90.00	90.55	8525.00	-83.75	1779.94	1781.40	0.00	620960.65	624822.54	
10100.00	90.00	90.55	8525.00	-84.71	1879.93	1881.39	0.00	620959.69	624922.53	
10200.00	90.00	90.55	8525.00	-85.67	1979.93	1981.38	0.00	620958.73	625022.53	
10300.00	90.00	90.55	8525.00	-86.64	2079.92	2081.37	0.00	620957.76	625122.52	
10400.00	90.00	90.55	8525.00	-87.60	2179.92	2181.36	0.00	620956.80	625222.52	
10500.00	90.00	90.55	8525.00	-88.56	2279.91	2281.35	0.00	620955.84	625322.51	
10600.00	90.00	90.55	8525.00	-89.52	2379.91	2381.35	0.00	620954.88	625422.51	
10700.00	90.00	90.55	8525.00	-90.48	2479.90	2481.34	0.00	620953.92	625522.50	
10800.00	90.00	90.55	8525.00	-91.44	2579.90	2581.33	0.00	620952.96	625622.50	
10900.00	90.00	90.55	8525.00	-92.40	2679.89	2681.32	0.00	620952.00	625722.49	
11000.00	90.00	90.55	8525.00	-93.37	2779.89	2781.31	0.00	620951.03	625822.49	
11100.00	90.00	90.55	8525.00	-94.33	2879.89	2881.30	0.00	620950.07	625922.49	
11200.00	90.00	90.55	8525.00	-95.29	2979.88	2981.29	0.00	620949.11	626022.48	
11300.00	90.00	90.55	8525.00	-96.25	3079.88	3081.28	0.00	620948.15	626122.48	
11400.00	90.00	90.55	8525.00	-97.21	3179.87	3181.27	0.00	620947.19	626222.47	
11500.00	90.00	90.55	8525.00	-98.17	3279.87	3281.26	0.00	620946.23	626322.47	
11600.00	90.00	90.55	8525.00	-99.13	3379.86	3381.25	0.00	620945.27	626422.46	
11700.00	90.00	90.55	8525.00	-100.09	3479.86	3481.24	0.00	620944.31	626522.46	
11800.00	90.00	90.55	8525.00	-101.06	3579.85	3581.23	0.00	620943.34	626622.45	
11900.00	90.00	90.55	8525.00	-102.02	3679.85	3681.22	0.00	620942.38	626722.45	
12000.00	90.00	90.55	8525.00	-102.98	3779.84	3781.22	0.00	620941.42	626822.44	
12100.00	90.00	90.55	8525.00	-103.94	3879.84	3881.21	0.00	620940.46	626922.44	
12200.00	90.00	90.55	8525.00	-104.90	3979.83	3981.20	0.00	620939.50	627022.43	
12300.00	90.00	90.55	8525.00	-105.86	4079.83	4081.19	0.00	620938.54	627122.43	
12400.00	90.00	90.55	8525.00	-106.82	4179.83	4181.18	0.00	620937.58	627222.43	
12500.00	90.00	90.55	8525.00	-107.79	4279.82	4281.17	0.00	620936.61	627322.42	
12600.00	90.00	90.55	8525.00	-108.75	4379.82	4381.16	0.00	620935.65	627422.42	
12700.00	90.00	90.55	8525.00	-109.71	4479.81	4481.15	0.00	620934.69	627522.41	
12800.00	90.00	90.55	8525.00	-110.67	4579.81	4581.14	0.00	620933.73	627622.41	
12900.00	90.00	90.55	8525.00	-111.63	4679.80	4681.13	0.00	620932.77	627722.40	
13000.00	90.00	90.55	8525.00	-112.59	4779.80	4781.12	0.00	620931.81	627822.40	



Weatherford International Ltd.

WFT Plan Report - X & Y's

**Weatherford**

Company: Occidental Permian Ltd. Date: 4/11/2012 Time: 12:03:07 Page: 3
Field: Eddy Co, NM (Nad 27) Co-ordinate(NE) Reference: Well: Smokey Bits State 2H, Grid North
Site: Smokey Bits State 2H Vertical (TVD) Reference: SITE 3453.7
Well: Smokey Bits State 2H Section (VS) Reference: Well (0.00N,0.00E,91 33Azi)
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
13094.41	90.00	90.55	8525.00	-113.50	4874.20	4875.52	0.00	620930.90	627916.80	PBHL Per Plat

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
Exist Smokey St 1 -Circle (Radius: 281)			0.00	-214.08	1868.81	620830.32	624911.41	32 42 21.970 N	103 55 38.082 W
PP			8525.00	-73.40	705.30	620971.00	623747.90	32 42 23.405 N	103 55 51.693 W
PBHL Per Plat			8525.00	-113.50	4874.20	620930.90	627916.80	32 42 22.850 N	103 55 2.904 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
490.00	490.00	0.000	0.000	Sfc Csg
2000.00	2000.00	0.000	0.000	Int Csg

Annotation

MD ft	TVD ft	
7787.84	7787.84	KOP
7900.34	7899.88	Build/Turn
8937.03	8525.00	LP
13094.40	8525.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
702.00	702.00	Base anhydrite		0.00	0.00
1881.00	1881.00	Tansill		0.00	0.00
2031.00	2031.00	Yates		0.00	0.00
2401.00	2401.00	Seven Rivers		0.00	0.00
3046.00	3046.00	Queen		0.00	0.00
3621.00	3621.00	Delaware		0.00	0.00
5961.00	5961.00	BSPG1 Limestone		0.00	0.00
7611.00	7611.00	BSPG 1st Sand		0.00	0.00
8046.06	8041.00	BSPG2 Limestone		0.00	0.00
8517.19	8406.00	BSPG 2nd Sand		0.00	0.00
	0.00	BSPG 2nd Sand Target		0.00	0.00