

30-015-40148

Weatherford®

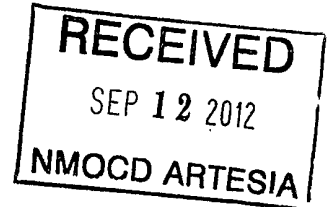
Evaluation, Drilling & Intervention
10000 West County Rd. 116
P.O. Box 61028
Midland, TX USA 79711
Tel. (432) 561-8892 Fax (432) 561-8895

Occidental Permian Ltd.
5 Greenway Plaza Suite 110
Houston Tx 77046

Date: July 19, 2012

Attention: Carlos Mercado

Re: Occidental Permian Ltd
Well: Smokey Bits State Com 6H
Eddy County, New Mexico



Enclosed, please find the original survey performed on the referenced well by Precision Energy Services, Inc. (P-5 No. 676004), a Weatherford company. Other information required by your office is as follows:

Name & Title Of Surveyor	Well Number	Surveyed Depths	Dates Performed	Type of Survey
John Self MWD Supervisor	6H	525.00' MD 12760.00'MD	6-27-2012 7-19-2012	Measurement While Drilling

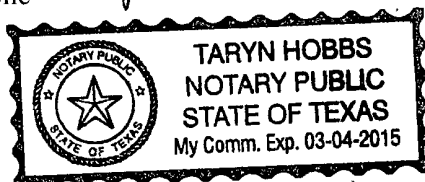
A notarized plan vs. actual is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Jesus Aguilar
MWD Coordinator

On this, the 24th day of July, 2012, before me a notary public, the undersigned officer, personally appeared Jesus Aguilar, known to me (or satisfactorily proven) to be the person whose name is subscribed to the within instrument, and acknowledged that he executed the same for the purposes therein contained.

In witness hereof, I hereunto set my hand and official seal.

Notary Public





Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 7/19/2012	Time: 07:16 54	Page: 1
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well: Smokey Bits 6H, Grid North		
Site: Smokey Bits 6H	Vertical (TVD) Reference: SITE 3464 2		
Well: Smokey Bits 6H	Section (VS) Reference: Well (0 00N,0.00E,93.02Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Wft Svy	Start Date: 6/29/2012
Company: Weatherford International Ltd	Engineer: Patrick Rudolph
Tool: MWD,MWD - Standard	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: Smokey Bits 6H

Site Position:	Northing: 622214 90 ft	Latitude: 32 42 35.731 N
From: Map	Easting: 623293 80 ft	Longitude: 103 55 56.953 W
Position Uncertainty: 0 00 ft		North Reference: Grid
Ground Level: 3440 20 ft		Grid Convergence: 0 22 deg

Well: Smokey Bits 6H	Slot Name:
Well Position: +N/-S 0 00 ft	Latitude: 32 42 35.731 N
+E/-W 0 00 ft	Longitude: 103 55 56.953 W
Position Uncertainty: 0 00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0 00 ft
Magnetic Data: 6/26/2012	Above System Datum: Mean Sea Level
Field Strength: 48792 nT	Declination: 7 66 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60 55 deg
ft	+E/-W
	ft
	Direction
	deg
0 00	0 00
0 00	0 00
	93 02

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
435 73	0 69	302.20	435 72	0.27	0 49	0 00	0 48	622215 17	623294.29	Tie on Gyro
510 01	0 65	324 42	510.00	0 85	-0 14	0 35	-0 18	622215 75	623293 66	Sfc Csg
525 00	0 66	329.00	524 99	0 99	-0 23	0 35	-0 28	622215 89	623293.57	First Wft Svy
616 00	0 85	339 40	615.98	2.08	-0.74	0.26	-0 85	622216.98	623293 06	
709 00	0 99	339 19	708.97	3 47	-1 27	0.15	-1 45	622218.37	623292 53	
801 00	1 00	348 83	800.95	5 00	-1.70	0 18	-1.96	622219.90	623292 10	
892.00	1 15	356 27	891.94	6.69	-1.92	0 22	-2.27	622221 59	623291 88	
984 00	1.24	358 63	983 92	8.61	-2 00	0 11	-2 45	622223 51	623291 80	
1078 00	1.19	358.61	1077 90	10.60	-2 05	0.05	-2 60	622225 50	623291 75	
1170 00	1 12	0 04	1169 88	12 46	-2 07	0 08	-2 73	622227.36	623291 73	
1264 00	1 22	2 67	1263 86	14 37	-2 02	0 12	-2 78	622229.27	623291.78	
1359 00	1.46	8 64	1358.83	16.58	-1.79	0.29	-2.67	622231.48	623292 01	
1453 00	1.35	17 36	1452.81	18.82	-1.28	0.26	-2 28	622233 72	623292 52	
1547.00	1.42	21 53	1546 78	20.96	-0 53	0.13	-1 63	622235 86	623293 27	
1642.00	1.54	25 22	1641 75	23 21	0 45	0 16	-0.78	622238.11	623294.25	
1736 00	1 50	24 83	1735.71	25 47	1 50	0 04	0.16	622240 37	623295 30	
1830 00	1.50	20 95	1829.68	27 74	2.46	0 11	0.99	622242 64	623296 26	
1925 00	1 20	19.98	1924 65	29 83	3.25	0.32	1.67	622244.73	623297 05	
2019 00	0 55	13.34	2018 64	31.20	3 69	0.70	2 03	622246 10	623297 49	
2114 00	0.41	14.19	2113 64	31.97	3 87	0.15	2.18	622246.87	623297.67	
2208.00	0 36	25 56	2207.64	32 56	4 08	0 10	2 36	622247 46	623297 88	
2303 00	0.10	83 95	2302.64	32 84	4 30	0 34	2 56	622247 74	623298 10	
2397 00	0.45	194 69	2396 64	32 49	4.28	0.53	2 56	622247 39	623298 08	
2492 00	0 56	184 56	2491 63	31 67	4.15	0.15	2 47	622246 57	623297 95	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 7/19/2012	Time: 07 16:54	Page: 2
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well Smokey Bits 6H, Grid North		
Site: Smokey Bits 6H	Vertical (TVD) Reference: SITE 3464 2		
Well: Smokey Bits 6H	Section (VS) Reference: Well (0 00N,0 00E,93 02Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
2586.00	0.58	182.54	2585.63	30.74	4.09	0.03	2.47	622245.64	623297.89	
2680.00	0.51	182.82	2679.62	29.84	4.05	0.07	2.47	622244.74	623297.85	
2775.00	0.50	181.43	2774.62	29.01	4.02	0.02	2.49	622243.91	623297.82	
2869.00	0.50	174.92	2868.62	28.19	4.05	0.06	2.55	622243.09	623297.85	
2964.00	0.36	167.06	2963.61	27.48	4.15	0.16	2.69	622242.38	623297.95	
3058.00	0.35	169.06	3057.61	26.91	4.27	0.02	2.85	622241.81	623298.07	
3153.00	0.45	156.38	3152.61	26.29	4.48	0.14	3.08	622241.19	623298.28	
3247.00	0.38	161.13	3246.61	25.65	4.72	0.08	3.36	622240.55	623298.52	
3341.00	0.20	158.78	3340.61	25.21	4.89	0.19	3.55	622240.11	623298.69	
3436.00	0.25	150.51	3435.60	24.87	5.05	0.06	3.73	622239.77	623298.85	
3530.00	0.31	136.45	3529.60	24.51	5.32	0.10	4.02	622239.41	623299.12	
3655.00	0.45	123.26	3654.60	23.99	5.97	0.13	4.69	622238.89	623299.77	
3660.40	0.45	122.86	3660.00	23.97	6.00	0.06	4.73	622238.87	623299.80	Int Csg
3850.00	0.49	109.95	3849.59	23.29	7.39	0.06	6.15	622238.19	623301.19	
3945.00	1.09	179.59	3944.59	22.25	7.78	1.08	6.59	622237.15	623301.58	
4039.00	1.20	188.90	4038.57	20.38	7.63	0.23	6.55	622235.28	623301.43	
4133.00	1.07	184.05	4132.55	18.53	7.42	0.17	6.43	622233.43	623301.22	
4228.00	1.19	188.81	4227.53	16.67	7.21	0.16	6.32	622231.57	623301.01	
4322.00	1.01	196.28	4321.51	14.91	6.82	0.24	6.03	622229.81	623300.62	
4417.00	0.71	209.10	4416.50	13.60	6.30	0.37	5.58	622228.50	623300.10	
4511.00	0.35	202.28	4510.50	12.82	5.91	0.39	5.23	622227.72	623299.71	
4605.00	0.25	205.49	4604.50	12.37	5.71	0.11	5.05	622227.27	623299.51	
4700.00	0.40	216.48	4699.50	11.92	5.43	0.17	4.79	622226.82	623299.23	
4794.00	0.22	228.66	4793.49	11.53	5.10	0.20	4.48	622226.43	623298.90	
4888.00	0.20	177.98	4887.49	11.25	4.97	0.19	4.37	622226.15	623298.77	
4983.00	0.16	236.37	4982.49	11.01	4.86	0.19	4.27	622225.91	623298.66	
5077.00	0.20	309.60	5076.49	11.04	4.63	0.23	4.04	622225.94	623298.43	
5172.00	0.29	284.92	5171.49	11.21	4.27	0.14	3.67	622226.11	623298.07	
5266.00	0.22	262.44	5265.49	11.25	3.86	0.13	3.26	622226.15	623297.66	
5360.00	0.53	249.86	5359.49	11.07	3.27	0.34	2.68	622225.97	623297.07	
5455.00	0.44	255.57	5454.49	10.83	2.50	0.11	1.93	622225.73	623296.30	
5549.00	0.56	260.72	5548.48	10.67	1.70	0.14	1.14	622225.57	623295.50	
5643.00	0.84	263.03	5642.48	10.51	0.56	0.30	0.01	622225.41	623294.36	
5738.00	0.73	258.55	5737.47	10.31	-0.72	0.13	-1.26	622225.21	623293.08	
5832.00	1.07	266.11	5831.45	10.13	-2.18	0.38	-2.71	622225.03	623291.62	
5927.00	0.97	272.82	5926.44	10.11	-3.87	0.16	-4.40	622225.01	623289.93	
6021.00	0.79	264.60	6020.43	10.09	-5.31	0.23	-5.84	622224.99	623288.49	
6116.00	0.36	221.94	6115.42	9.80	-6.16	0.61	-6.67	622224.70	623287.64	
6210.00	0.29	221.92	6209.42	9.40	-6.52	0.07	-7.01	622224.30	623287.28	
6304.00	0.20	221.55	6303.42	9.11	-6.79	0.10	-7.26	622224.01	623287.01	
6399.00	0.49	222.41	6398.42	8.68	-7.17	0.31	-7.62	622223.58	623286.63	
6493.00	1.15	129.42	6492.41	7.79	-6.71	1.35	-7.11	622222.69	623287.09	
6588.00	1.55	124.14	6587.39	6.46	-4.91	0.44	-5.25	622221.36	623288.89	
6682.00	1.57	131.43	6681.35	4.89	-2.89	0.21	-3.15	622219.79	623290.91	
6777.00	1.44	126.37	6776.32	3.32	-0.96	0.20	-1.13	622218.22	623292.84	
6871.00	1.19	119.77	6870.29	2.14	0.84	0.31	0.73	622217.04	623294.64	
6966.00	0.99	102.12	6965.28	1.48	2.50	0.41	2.42	622216.38	623296.30	
7060.00	0.93	91.37	7059.26	1.29	4.06	0.20	3.98	622216.19	623297.86	
7154.00	0.94	78.17	7153.25	1.43	5.57	0.23	5.49	622216.33	623299.37	
7249.00	0.66	76.58	7248.24	1.72	6.87	0.30	6.77	622216.62	623300.67	
7343.00	0.69	87.96	7342.23	1.86	7.96	0.15	7.85	622216.76	623301.76	
7438.00	0.70	133.08	7437.23	1.48	8.96	0.56	8.87	622216.38	623302.76	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.
Field: Eddy Co, NM (Nad 27)
Site: Smokey Bits 6H
Well: Smokey Bits 6H
Wellpath: 1

Date: 7/19/2012 Time: 07 16:54 Page: 3
Co-ordinate(NE) Reference: Well Smokey Bits 6H, Grid North
Vertical (TVD) Reference: SITE 3464 2
Section (VS) Reference: Well (0 00N,0.00E,93.02Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
7532.00	0.38	167.30	7531.22	0.79	9.44	0.47	9.39	622215.69	623303.24	
7627.00	0.56	89.26	7626.22	0.49	9.98	0.64	9.94	622215.39	623303.78	
7658.00	1.60	65.91	7657.22	0.67	10.52	3.58	10.47	622215.57	623304.32	
7721.00	2.72	55.26	7720.17	1.88	12.56	1.88	12.44	622216.78	623306.36	
7761.00	2.65	57.20	7760.13	2.92	14.11	0.29	13.94	622217.82	623307.91	
7793.00	4.93	73.77	7792.06	3.70	16.05	7.83	15.84	622218.60	623309.85	
7824.00	7.76	82.46	7822.86	4.35	19.41	9.61	19.15	622219.25	623313.21	
7856.00	10.16	85.81	7854.47	4.84	24.37	7.67	24.08	622219.74	623318.17	
7887.00	12.61	89.36	7884.86	5.08	30.48	8.22	30.17	622219.98	623324.28	
7919.00	14.33	93.43	7915.98	4.88	37.92	6.13	37.61	622219.78	623331.72	
7950.00	15.99	96.51	7945.90	4.17	46.00	5.95	45.71	622219.07	623339.80	
7982.00	17.30	97.51	7976.56	3.04	55.09	4.19	54.86	622217.94	623348.89	
8013.00	18.69	99.90	8006.04	1.59	64.56	5.08	64.38	622216.49	623358.36	
8045.00	20.90	100.30	8036.15	-0.31	75.23	6.92	75.14	622214.59	623369.03	
8076.00	23.45	100.44	8064.85	-2.42	86.73	8.23	86.74	622212.48	623380.53	
8108.00	25.30	98.02	8094.00	-4.53	99.77	6.57	99.87	622210.37	623393.57	
8139.00	27.30	96.45	8121.79	-6.25	113.39	6.83	113.56	622208.65	623407.19	
8170.00	30.04	94.11	8148.99	-7.61	128.20	9.55	128.42	622207.29	623422.00	
8202.00	32.46	93.54	8176.34	-8.71	144.76	7.62	145.02	622206.19	623438.56	
8233.00	33.81	93.09	8202.30	-9.69	161.68	4.43	161.96	622205.21	623455.48	
8265.00	35.71	92.69	8228.59	-10.61	179.90	5.98	180.21	622204.29	623473.70	
8296.00	37.88	93.07	8253.41	-11.54	198.44	7.04	198.77	622203.36	623492.24	
8328.00	39.40	93.04	8278.41	-12.61	218.39	4.75	218.75	622202.29	623512.19	
8359.00	40.96	93.48	8302.09	-13.75	238.36	5.11	238.75	622201.15	623532.16	
8391.00	43.34	93.91	8325.81	-15.13	259.79	7.49	260.23	622199.77	623553.59	
8422.00	46.10	93.82	8347.84	-16.60	281.55	8.91	282.03	622198.30	623575.35	
8454.00	48.79	94.02	8369.48	-18.21	305.07	8.42	305.60	622196.69	623598.87	
8485.00	52.33	93.99	8389.17	-19.89	328.94	11.42	329.54	622195.01	623622.74	
8517.00	54.85	94.64	8408.16	-21.83	354.62	8.04	355.28	622193.07	623648.42	
8548.00	57.55	94.63	8425.40	-23.91	380.30	8.71	381.03	622190.99	623674.10	
8580.00	60.98	95.77	8441.76	-26.40	407.68	11.15	408.51	622188.50	623701.48	
8611.00	63.56	93.98	8456.18	-28.73	435.02	9.77	435.93	622186.17	623728.82	
8643.00	66.47	93.31	8469.69	-30.57	463.96	9.29	464.93	622184.33	623757.76	
8674.00	69.24	93.39	8481.38	-32.25	492.62	8.94	493.64	622182.65	623786.42	
8706.00	72.18	93.56	8491.95	-34.08	522.77	9.20	523.84	622180.82	623816.57	
8737.00	74.77	93.44	8500.77	-35.89	552.43	8.36	553.56	622179.01	623846.23	
8769.00	77.02	93.47	8508.56	-37.77	583.41	7.03	584.59	622177.13	623877.21	
8800.00	78.95	93.51	8515.02	-39.61	613.67	6.23	614.91	622175.29	623907.47	
8831.00	81.22	93.64	8520.35	-41.51	644.15	7.33	645.44	622173.39	623937.95	
8863.00	83.28	93.17	8524.67	-43.40	675.80	6.60	677.14	622171.50	623969.60	
8894.00	84.94	93.06	8527.85	-45.07	706.59	5.37	707.98	622169.83	624000.39	
8989.00	87.69	93.97	8533.96	-50.89	801.20	3.05	802.77	622164.01	624095.00	
9083.00	90.21	92.81	8535.68	-56.44	895.01	2.95	896.74	622158.46	624188.81	
9177.00	90.56	92.19	8535.05	-60.54	988.92	0.76	990.74	622154.36	624282.72	
9272.00	89.09	91.81	8535.34	-63.86	1083.86	1.60	1085.72	622151.04	624377.66	
9366.00	87.76	91.85	8537.92	-66.86	1177.77	1.42	1179.66	622148.04	624471.57	
9461.00	89.58	91.60	8540.13	-69.72	1272.70	1.93	1274.61	622145.18	624566.50	
9555.00	88.81	91.97	8541.45	-72.65	1366.64	0.91	1368.57	622142.25	624660.44	
9649.00	87.55	93.04	8544.43	-76.75	1460.50	1.76	1462.52	622138.15	624754.30	
9744.00	89.51	92.71	8546.87	-81.51	1555.35	2.09	1557.48	622133.39	624849.15	
9838.00	87.06	93.93	8549.68	-86.95	1649.14	2.91	1651.43	622127.95	624942.94	
9933.00	88.18	94.27	8553.63	-93.74	1743.81	1.23	1746.33	622121.16	625037.61	
10027.00	90.07	94.38	8555.06	-100.83	1837.53	2.01	1840.29	622114.07	625131.33	



Weatherford International Ltd.

WFT Survey Report X & Y's



Weatherford

Company: Occidental Permian Ltd.	Date: 7/19/2012	Time: 07.16.54	Page: 4
Field: Eddy Co, NM (Nad 27)	Co-ordinate(NE) Reference: Well Smokey Bits 6H, Grid North		
Site: Smokey Bits 6H	Vertical (TVD) Reference: SITE 3464 2		
Well: Smokey Bits 6H	Section (VS) Reference: Well (0 00N,0 00E,93 02Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	DLS deg/100ft	VS ft	MapN ft	MapE ft	Comment
10122.00	88.11	93.39	8556.57	-107.26	1932.29	2.31	1935.26	622107.64	625226.09	
10216.00	86.50	93.10	8560.99	-112.58	2026.04	1.74	2029.15	622102.32	625319.84	
10311.00	88.18	93.60	8565.40	-118.12	2120.77	1.84	2124.05	622096.78	625414.57	
10405.00	89.93	94.15	8566.95	-124.48	2214.54	1.95	2218.02	622090.42	625508.34	
10500.00	87.90	93.26	8568.75	-130.61	2309.32	2.33	2312.99	622084.29	625603.12	
10594.00	87.13	92.14	8572.82	-135.04	2403.12	1.44	2406.90	622079.86	625696.92	
10688.00	88.53	92.31	8576.38	-138.68	2496.98	1.50	2500.82	622076.22	625790.78	
10783.00	86.99	92.71	8580.10	-142.84	2591.81	1.67	2595.74	622072.06	625885.61	
10877.00	88.39	92.88	8583.88	-147.42	2685.62	1.50	2689.66	622067.48	625979.42	
10972.00	90.21	93.49	8585.05	-152.70	2780.46	2.02	2784.65	622062.20	626074.26	
11066.00	88.95	93.06	8585.73	-158.07	2874.31	1.42	2878.64	622056.83	626168.11	
11161.00	87.34	92.94	8588.81	-163.04	2969.12	1.70	2973.59	622051.86	626262.92	
11255.00	89.30	93.10	8591.57	-167.99	3062.95	2.09	3067.54	622046.91	626356.75	
11349.00	87.90	90.93	8593.86	-171.29	3156.85	2.75	3161.49	622043.61	626450.65	
11444.00	89.86	90.93	8595.72	-172.83	3251.82	2.06	3256.41	622042.07	626545.62	
11538.00	87.97	90.98	8597.50	-174.40	3345.78	2.01	3350.33	622040.50	626639.58	
11632.00	89.72	91.03	8599.39	-176.05	3439.75	1.86	3444.24	622038.85	626733.55	
11727.00	87.69	90.97	8601.54	-177.71	3534.70	2.14	3539.16	622037.19	626828.50	
11821.00	90.07	91.06	8603.38	-179.37	3628.66	2.53	3633.07	622035.53	626922.46	
11916.00	88.67	92.05	8604.42	-181.95	3723.62	1.80	3728.03	622032.95	627017.42	
12010.00	90.28	92.52	8605.28	-185.70	3817.54	1.78	3822.02	622029.20	627111.34	
12104.00	89.86	93.44	8605.17	-190.58	3911.41	1.08	3916.02	622024.32	627205.21	
12199.00	87.27	93.40	8607.55	-196.25	4006.20	2.73	4010.98	622018.65	627300.00	
12293.00	88.60	92.86	8610.93	-201.38	4100.00	1.53	4104.91	622013.52	627393.80	
12388.00	90.56	92.52	8611.63	-205.83	4194.89	2.09	4199.90	622009.07	627488.69	
12482.00	89.44	92.51	8611.63	-209.96	4288.79	1.19	4293.90	622004.94	627582.59	
12577.00	87.41	93.46	8614.24	-214.90	4383.62	2.36	4388.86	622000.00	627677.42	
12671.00	88.95	93.41	8617.23	-220.53	4477.40	1.64	4482.80	621994.37	627771.20	
12760.00	90.56	93.03	8617.61	-225.53	4566.26	1.86	4571.80	621989.37	627860.06	Last Wft Svy
12804.00	90.56	93.03	8617.18	-227.86	4610.20	0.00	4615.80	621987.04	627904.00	Proj to Bit

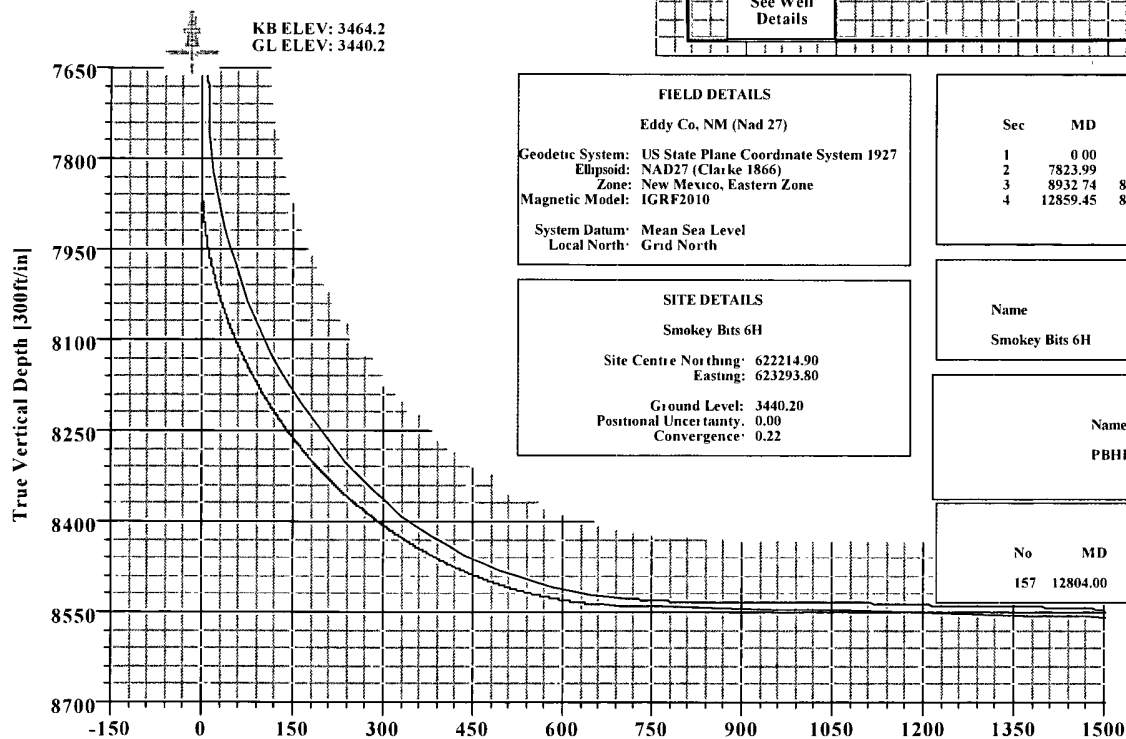
Annotation

MD ft	TVD ft	
435.73	435.72	Tie on Gyro
525.00	524.99	First Wft Svy
12760.00	8617.61	Last Wft Svy
12804.00	8617.18	Proj to Bit



Occidental Permian Ltd.

Smokey Bits 6H
Eddy Co, New Mexico



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

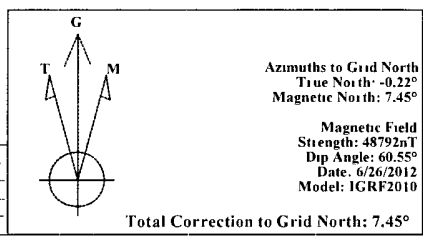
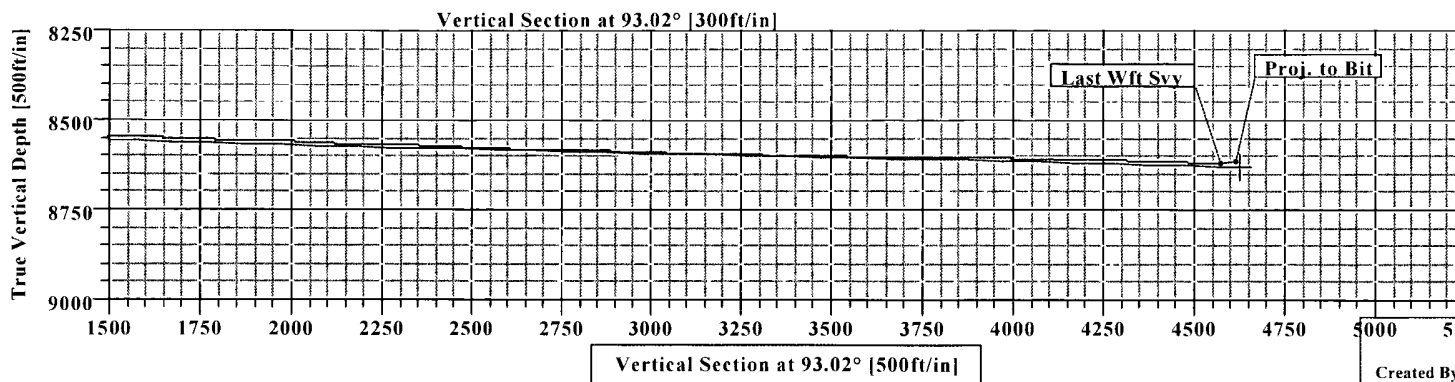
SITE DETAILS
Smokey Bits 6H
Site Centre Northing: 622214.90
Easting: 623293.80
Ground Level: 3440.20
Positional Uncertainty: 0.00
Convergence: 0.22

SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	93.02	0.00	0.00	0.00	0.00	0.00	0.00	
2	7823.99	0.00	93.02	7823.99	0.00	0.00	0.00	0.00	0.00	
3	8932.74	88.70	93.02	8540.00	-36.94	698.97	8.00	93.02	699.95	
4	12859.45	88.70	93.02	8629.09	-244.10	4619.20	0.00	0.00	4625.65	PBHL

WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slor
Smokey Bits 6H	0.00	0.00	622214.90	623293.80	32°42'35.731N	103°55'56.953W	N/A

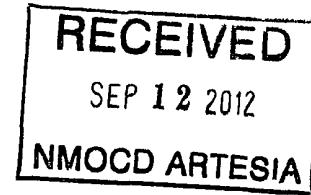
TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL	8629.09	-244.10	4619.20	621970.80	627913.00	Point

Survey: Wft Svy (Smokey Bits 6H/1)									
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
157	12804.00	90.56	93.03	8617.18	-227.86	4610.20	0.00	180.00	4615.80



Survey: Wft Svy (Smokey Bits 6H/1)
Created By: Patrick Rudolph
Date: 7/19/2012

30-015-40148



OCCIDENTAL PERMIAN LTD.

Benson
Eddy County, NM
Smokey Bits State Com #6H
VH - Job #32K0612775

Survey: Gyro

SDI Standard Survey Report

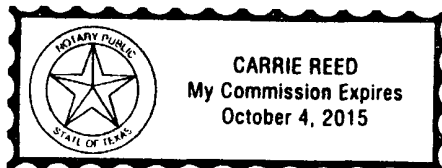
This survey is correct to the best of my knowledge and is supported by actual field data.

Hubarton

Notarized this date 19th of July, 2012.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	OCCIDENTAL PERMIAN LTD	Local Co-ordinate Reference:	Well Smokey Bits State Com #6H
Project:	Benson	TVD Reference:	WELL @ 0 00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 00usft (Original Well Elev)
Well:	Smokey Bits State Com #6H	North Reference:	Grid
Wellbore:	VH - Job #32K0612775	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0612775	Database:	EDM-Regulatory

Project		Benson	
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Eddy County, NM			
Site Position:		Northing:	617,673 61 usft	Latitude:	32° 41' 50 793 N
From:	Lat/Long	Easting:	623,308 69 usft	Longitude:	103° 55' 56 979 W
Position Uncertainty:	0 00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0 22 °

Well	Smokey Bits State Com #6H, Directional (Weatherford)					
Well Position	+N/-S	0 00 usft	Northing:	622,211 62 usft	Latitude:	32° 42' 35 700 N
	+E/-W	0 00 usft	Easting:	623,264 12 usft	Longitude:	103° 55' 57 300 W
Position Uncertainty		0 00 usft	Wellhead Elevation:	usft	Ground Level:	0 00 usft

Wellbore		VH - Job #32K0612775			
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	06/26/12	7 66	60 55	48,792

Design		VH - Job #32K0612775			
Audit Notes:					
Version:		1 0	Phase:	ACTUAL	Tie On Depth: 0 00
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction
		(usft)	(usft)	(usft)	(°)
		0 00	0 00	0 00	93 02

Survey Program		Date	07/31/12		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
103 72	435 73	Gyro (VH - Job #32K0612775)	Keeper	Keeper Surface Readout	

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00	0 00
103 72	0 32	126 87	103 72	-0 17	0 23	126 87		0 29
198 45	0 29	83 89	198 45	-0 31	0 68	114 24		0 75
292 07	0 15	70 90	292 07	-0 24	1 03	103 17		1 06
385 94	0 41	306 97	385 94	0 00	0 88	89 97		0 88
435 73	0 69	302 20	435 72	0 27	0 48	61 12		0 55



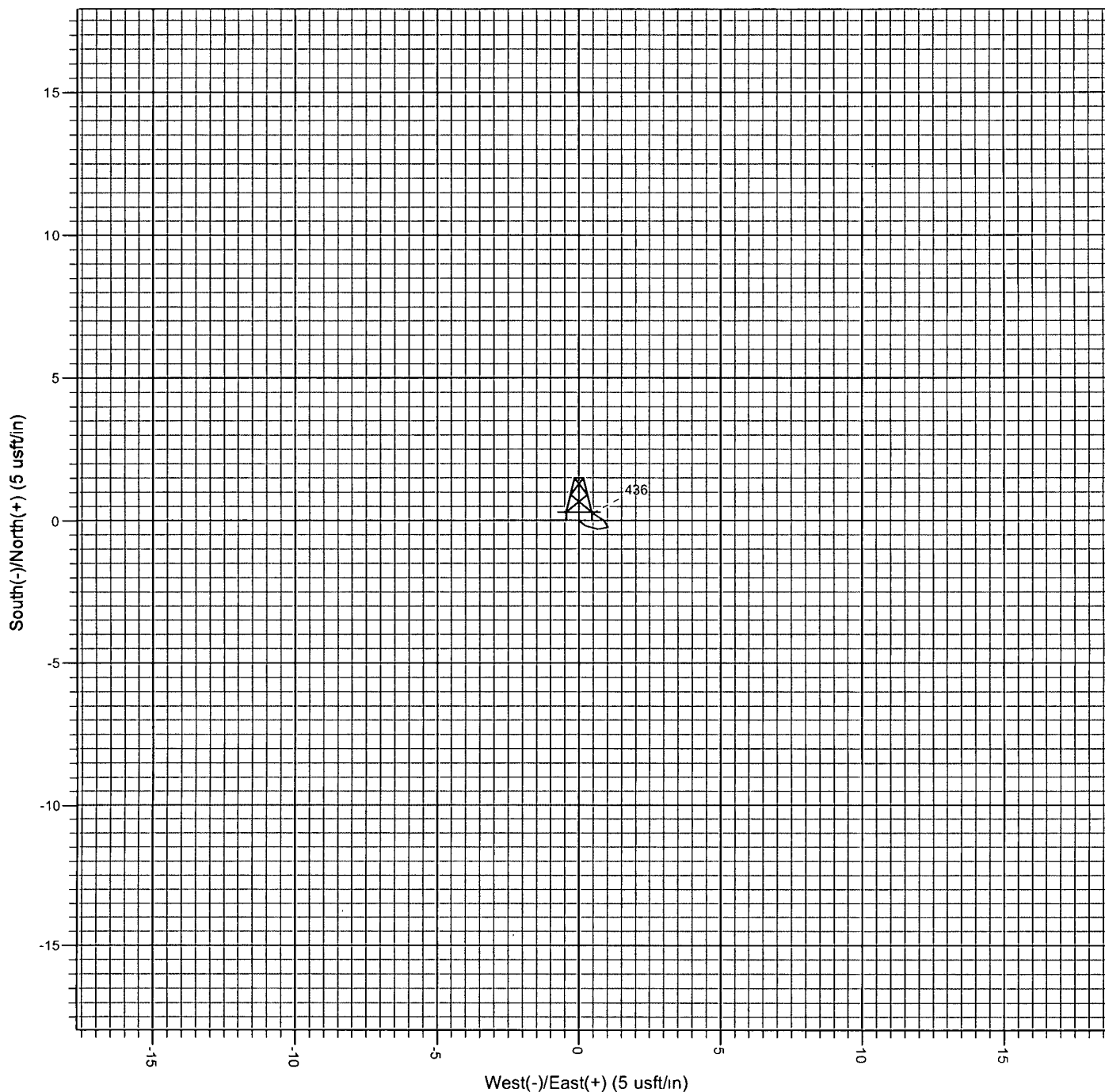
Scientific Drilling

Project: Benson
Eddy County, NM
Well: Smokey Bits State Com #6H
Wellbore: VH - Job #32K0612775
Design: VH - Job #32K0612775

WELL DETAILS: Smokey Bits State Com #6H
WELL @ 0.00usft (Original Well Elev)

Ground Level: 0.00

+N/-S +E/-W Northing Easting Latitude Longitude Slot



PROJECT DETAILS: Benson	SITE DETAILS: Eddy County, NM
Geodetic System: US State Plane 1927 (Exact solution)	Site Centre Latitude: 32° 41' 50.793 N
Datum: NAD 1927 (NADCON CONUS)	Longitude: 103° 55' 56.979 W
Ellipsoid: Clarke 1866	Positional Uncertainty: 0.00
Zone: New Mexico East 3001	Convergence: 0.22
System Datum: Mean Sea Level	Local North: Grid