



Weatherford[®]

Drilling Services

30-015-39252

Proposal

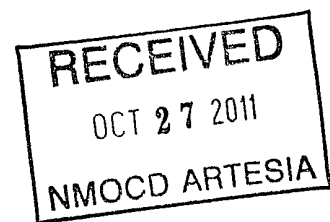
BOPCO, L.P.

POKER LAKE UNIT #335H

EDDY CO, NM

WELL FILE: **PLAN 3**

OCTOBER 6, 2011



Weatherford International, Ltd.

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

TMM
25 OCT 2011

BOPCO, L.P.

Poker Lake Unit 335H Eddy Co, NM

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	405.00	405.00	T/Rustler
2	773.00	773.00	T/Salt
3	3845.00	3845.00	B/Salt
4	4071.00	4071.00	T/Lamar
5	4098.00	4098.00	T/Ramsey
6	6146.00	6146.00	T/LCC
7	7694.00	7725.31	LBC 8A
8	7858.00	8006.30	LBC Y Sand

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	314.73	0.00	0.00	0.00	0.00	0.00	0.00	
2	7327.04	0.00	314.73	7327.04	0.00	0.00	0.00	0.00	0.00	
3	8227.04	90.00	314.73	7900.00	403.23	-407.05	10.00	314.73	572.96	
4	8708.01	90.00	314.73	7900.00	741.72	-748.74	0.00	0.00	1053.93	Csg tgt
5	8743.23	91.06	314.73	7899.68	766.50	-773.76	3.00	0.14	1089.14	
6	16264.89	91.06	314.73	7761.00	6059.34	-6116.23	0.00	0.00	8609.52	Pbhl

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
PLU 335H	0.00	0.00	440975.68	652209.37	32°12'41.045N	103°50'28.310W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
Pbhl	7761.00	6059.34	-6116.23	447035.01	646093.14	Point
Tgt 2	7851.00	2930.99	-2958.51	443906.67	649250.86	Point
Tgt 1	7886.00	685.07	-691.51	441660.75	651517.86	Point
Csg tgt	7900.00	741.72	-748.74	441717.40	651460.63	Point

FIELD DETAILS

Eddy County, NM (Nad 27)

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

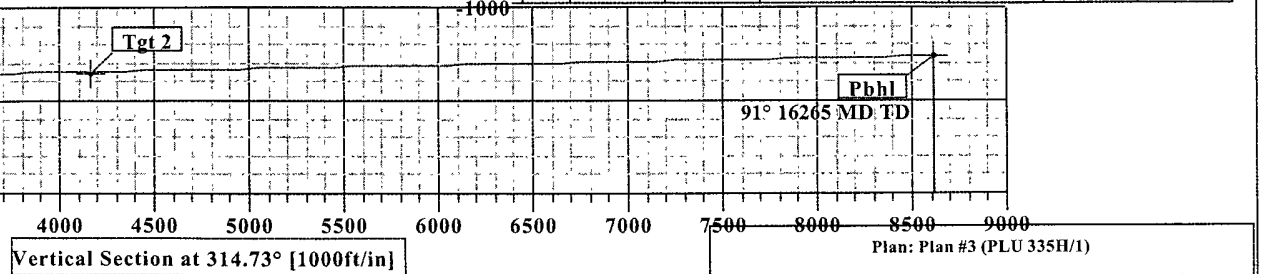
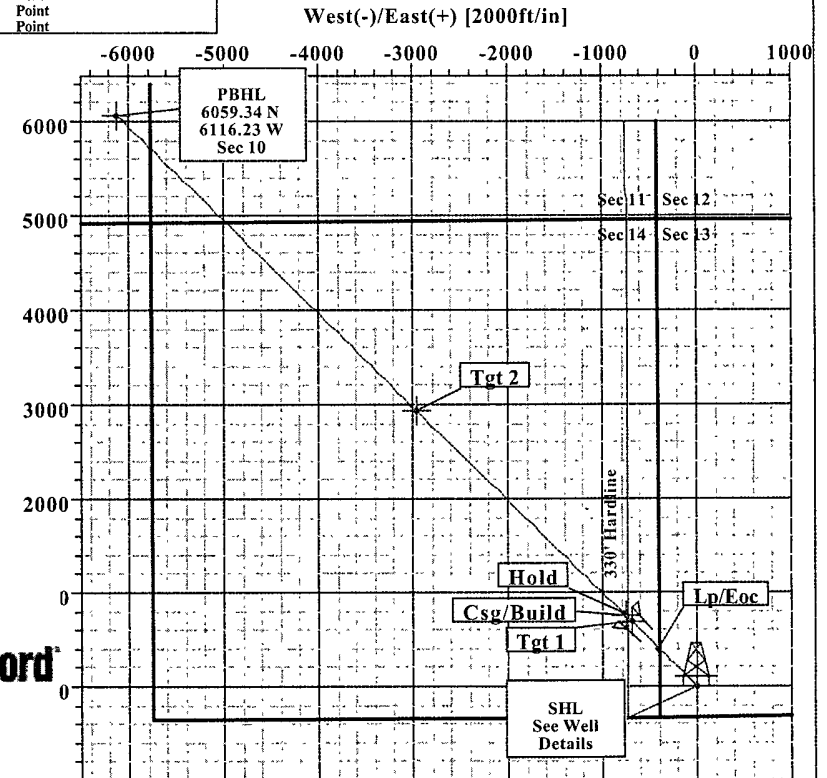
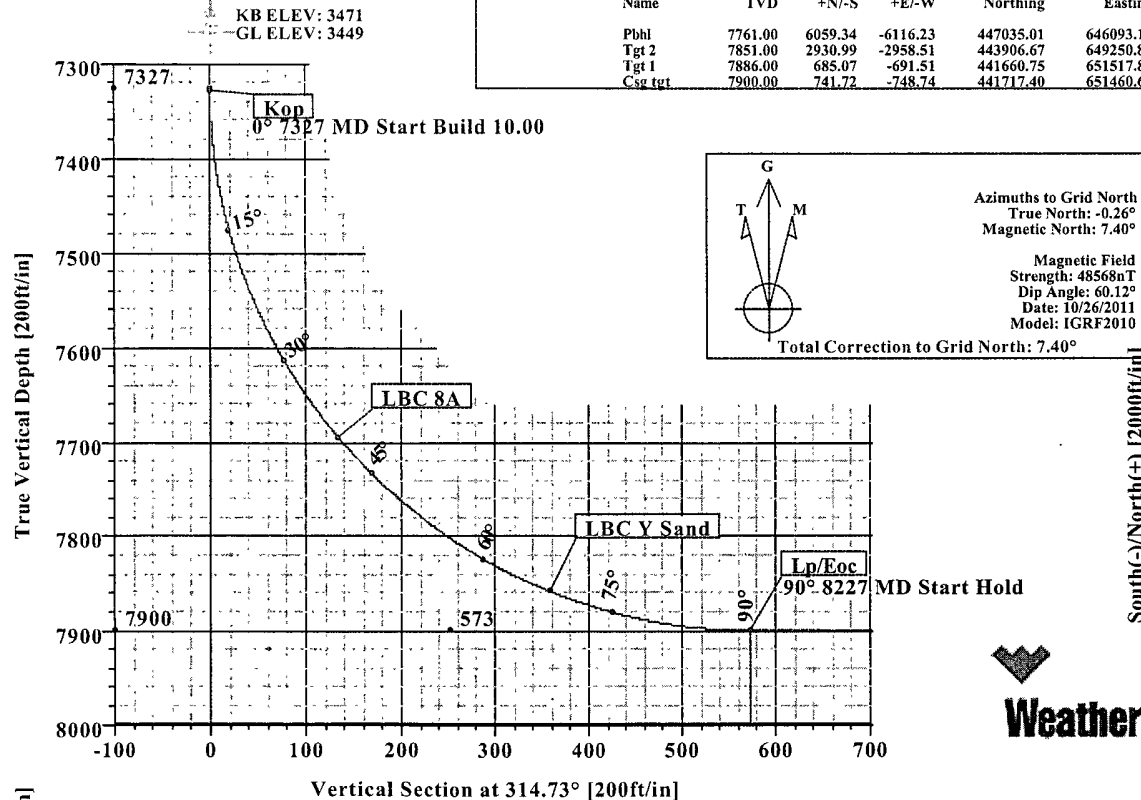
System Datum: Mean Sea Level
Local North: Grid North

SITE DETAILS

Poker Lake Unit 335H

Site Centre Northing: 440975.68
Easting: 652209.37

Ground Level: 3449.00
Positional Uncertainty: 0.00
Convergence: 0.26



Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: BOPCO, L.P. Field: Eddy County, NM (Nad 27) Site: Poker Lake Unit 335H Well: PLU 335H Wellpath: 1	Date: 10/6/2011 Co-ordinate(NE) Reference: Well: PLU 335H, Grid North Vertical (TVD) Reference: SITE 3471.0 Section (VS) Reference: Well: (0.00N,0.00E,314.73Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
---	--

Plan: Plan #3 Principal: Yes	Date Composed: 9/26/2011 Version: 1 Tied-to: From Surface
---	--

Field: Eddy County, 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: Poker Lake Unit 335H

Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3449.00 ft	Northing: 440975.68 ft Easting: 652209.37 ft	Latitude: 32 12 41.045 N Longitude: 103 50 28.310 W North Reference: Grid Grid Convergence: 0.26 deg
--	---	---

Well: PLU 335H Well Position: +N/-S 0.00 ft Position Uncertainty: 0.00 ft	Slot Name: Northing: 440975.68 ft Easting: 652209.37 ft Latitude: 32 12 41.045 N Longitude: 103 50 28.310 W
--	--

Wellpath: 1 Current Datum: SITE Magnetic Data: 10/26/2011 Field Strength: 48568 nT Vertical Section: Depth From (TVD) ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 7.67 deg Mag Dip Angle: 60.12 deg +N/-S ft +E/-W ft Direction deg
---	--

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	314.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7327.04	0.00	314.73	7327.04	0.00	0.00	0.00	0.00	0.00	0.00	
8227.04	90.00	314.73	7900.00	403.23	-407.05	10.00	10.00	0.00	314.73	
8708.01	90.00	314.73	7900.00	741.72	-748.74	0.00	0.00	0.00	0.00	Csg tgt
8743.23	91.06	314.73	7899.68	766.50	-773.76	3.00	3.00	0.01	0.14	
16264.89	91.06	314.73	7761.00	6059.34	-6116.23	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
7300.00	0.00	314.73	7300.00	0.00	0.00	0.00	0.00	440975.68	652209.37	
7327.04	0.00	314.73	7327.04	0.00	0.00	0.00	0.00	440975.68	652209.37	Kop
7400.00	7.30	314.73	7399.80	3.26	-3.30	4.64	10.00	440978.94	652206.07	
7500.00	17.30	314.73	7497.39	18.23	-18.41	25.91	10.00	440993.91	652190.96	
7600.00	27.30	314.73	7589.79	44.90	-45.32	63.80	10.00	441020.58	652164.04	
7700.00	37.30	314.73	7674.21	82.45	-83.23	117.16	10.00	441058.13	652126.14	
7725.31	39.83	314.73	7694.00	93.55	-94.44	132.93	10.00	441069.23	652114.93	LBC 8A
7800.00	47.30	314.73	7748.09	129.75	-130.98	184.37	10.00	441105.43	652078.39	
7900.00	57.30	314.73	7809.17	185.36	-187.12	263.39	10.00	441161.04	652022.25	
7988.36	66.13	314.73	7851.00	240.07	-242.34	341.12	10.00	441215.74	651967.03	
8000.00	67.30	314.73	7855.60	247.59	-249.94	351.81	10.00	441223.27	651959.43	
8006.30	67.93	314.73	7858.00	251.69	-254.07	357.63	10.00	441227.37	651955.29	LBC Y Sand
8100.00	77.30	314.73	7885.97	314.55	-317.53	446.95	10.00	441290.23	651891.84	
8200.00	87.30	314.73	7899.36	384.20	-387.84	545.93	10.00	441359.88	651821.53	
8227.04	90.00	314.73	7900.00	403.23	-407.05	572.96	10.00	441378.90	651802.32	Lp/Eoc

TMM
25 OCT 2011

Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: BOPCO L.P.	Date: 10/6/2011	Time: 13:35:54	Page: 2
Field: Eddy County, NM (Nad:27)	Co-ordinate(NE) Reference: Well: PLU 335H, Grid North		
Site: Poker Lake Unit 335H	Vertical (TVD) Reference: SITE 3471.0		
Well: PLU 335H	Section (VS) Reference: Well (0.00N,0.00E,314.73Azi)		
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
8300.00	90.00	314.73	7900.00	454.57	-458.88	645.92	0.00	441430.25	651750.49	
8400.00	90.00	314.73	7900.00	524.95	-529.92	745.92	0.00	441500.63	651679.45	
8500.00	90.00	314.73	7900.00	595.33	-600.96	845.92	0.00	441571.00	651608.40	
8600.00	90.00	314.73	7900.00	665.70	-672.01	945.92	0.00	441641.38	651537.36	
8700.00	90.00	314.73	7900.00	736.08	-743.05	1045.92	0.00	441711.76	651466.32	
8708.01	90.00	314.73	7900.00	741.72	-748.74	1053.93	0.00	441717.40	651460.63	Csg tgt
8743.23	91.06	314.73	7899.68	766.50	-773.76	1089.14	3.00	441742.18	651435.61	Hold
8800.00	91.06	314.73	7898.63	806.45	-814.08	1145.90	0.00	441782.13	651395.29	
8900.00	91.06	314.73	7896.78	876.82	-885.11	1245.89	0.00	441852.50	651324.26	
9000.00	91.06	314.73	7894.94	947.19	-956.14	1345.87	0.00	441922.86	651253.23	
9100.00	91.06	314.73	7893.10	1017.56	-1027.17	1445.85	0.00	441993.23	651182.20	
9200.00	91.06	314.73	7891.25	1087.92	-1098.19	1545.84	0.00	442063.60	651111.17	
9300.00	91.06	314.73	7889.41	1158.29	-1169.22	1645.82	0.00	442133.97	651040.15	
9400.00	91.06	314.73	7887.57	1228.66	-1240.25	1745.80	0.00	442204.34	650969.12	
9500.00	91.06	314.73	7885.72	1299.03	-1311.28	1845.78	0.00	442274.70	650898.09	
9600.00	91.06	314.73	7883.88	1369.39	-1382.31	1945.77	0.00	442345.07	650827.06	
9700.00	91.06	314.73	7882.04	1439.76	-1453.33	2045.75	0.00	442415.44	650756.03	
9800.00	91.06	314.73	7880.19	1510.13	-1524.36	2145.73	0.00	442485.81	650685.01	
9900.00	91.06	314.73	7878.35	1580.50	-1595.39	2245.72	0.00	442556.17	650613.98	
10000.00	91.06	314.73	7876.50	1650.87	-1666.42	2345.70	0.00	442626.54	650542.95	
10100.00	91.06	314.73	7874.66	1721.23	-1737.45	2445.68	0.00	442696.91	650471.92	
10200.00	91.06	314.73	7872.82	1791.60	-1808.47	2545.67	0.00	442767.28	650400.90	
10300.00	91.06	314.73	7870.97	1861.97	-1879.50	2645.65	0.00	442837.65	650329.87	
10400.00	91.06	314.73	7869.13	1932.34	-1950.53	2745.63	0.00	442908.01	650258.84	
10500.00	91.06	314.73	7867.29	2002.71	-2021.56	2845.61	0.00	442978.38	650187.81	
10600.00	91.06	314.73	7865.44	2073.07	-2092.58	2945.60	0.00	443048.75	650116.78	
10700.00	91.06	314.73	7863.60	2143.44	-2163.61	3045.58	0.00	443119.12	650045.76	
10800.00	91.06	314.73	7861.76	2213.81	-2234.64	3145.56	0.00	443189.49	649974.73	
10900.00	91.06	314.73	7859.91	2284.18	-2305.67	3245.55	0.00	443259.85	649903.70	
11000.00	91.06	314.73	7858.07	2354.55	-2376.70	3345.53	0.00	443330.22	649832.67	
11100.00	91.06	314.73	7856.22	2424.91	-2447.72	3445.51	0.00	443400.59	649761.65	
11200.00	91.06	314.73	7854.38	2495.28	-2518.75	3545.50	0.00	443470.96	649690.62	
11300.00	91.06	314.73	7852.54	2565.65	-2589.78	3645.48	0.00	443541.33	649619.59	
11400.00	91.06	314.73	7850.69	2636.02	-2660.81	3745.46	0.00	443611.69	649548.56	
11500.00	91.06	314.73	7848.85	2706.39	-2731.84	3845.45	0.00	443682.06	649477.53	
11600.00	91.06	314.73	7847.01	2776.75	-2802.86	3945.43	0.00	443752.43	649406.51	
11700.00	91.06	314.73	7845.16	2847.12	-2873.89	4045.41	0.00	443822.80	649335.48	
11800.00	91.06	314.73	7843.32	2917.49	-2944.92	4145.39	0.00	443893.17	649264.45	
11900.00	91.06	314.73	7841.47	2987.86	-3015.95	4245.38	0.00	443963.53	649193.42	
12000.00	91.06	314.73	7839.63	3058.23	-3086.97	4345.36	0.00	444033.90	649122.39	
12100.00	91.06	314.73	7837.79	3128.59	-3158.00	4445.34	0.00	444104.27	649051.37	
12200.00	91.06	314.73	7835.94	3198.96	-3229.03	4545.33	0.00	444174.64	648980.34	
12300.00	91.06	314.73	7834.10	3269.33	-3300.06	4645.31	0.00	444245.01	648909.31	
12400.00	91.06	314.73	7832.26	3339.70	-3371.09	4745.29	0.00	444315.37	648838.28	
12500.00	91.06	314.73	7830.41	3410.06	-3442.11	4845.28	0.00	444385.74	648767.26	
12600.00	91.06	314.73	7828.57	3480.43	-3513.14	4945.26	0.00	444456.11	648696.23	
12700.00	91.06	314.73	7826.73	3550.80	-3584.17	5045.24	0.00	444526.48	648625.20	
12800.00	91.06	314.73	7824.88	3621.17	-3655.20	5145.22	0.00	444596.84	648554.17	
12900.00	91.06	314.73	7823.04	3691.54	-3726.23	5245.21	0.00	444667.21	648483.14	
13000.00	91.06	314.73	7821.19	3761.90	-3797.25	5345.19	0.00	444737.58	648412.12	
13100.00	91.06	314.73	7819.35	3832.27	-3868.28	5445.17	0.00	444807.95	648341.09	
13200.00	91.06	314.73	7817.51	3902.64	-3939.31	5545.16	0.00	444878.32	648270.06	
13300.00	91.06	314.73	7815.66	3973.01	-4010.34	5645.14	0.00	444948.68	648199.03	

*THAN
25 Oct 2011*

Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: BOPCO, L.P.

Field: Eddy County, NM (Nad 27)

Site: Poker Lake Unit 335H

Well: PLU 335H

Wellpath: 1

Date: 10/6/2011

Time: 13:35:54

Page: 3

Co-ordinate(NE) Reference: Well: PLU 335H, Grid North

Vertical (TVD) Reference: SITE 3471.0

Section (VS) Reference: Well (0:00N,0.00E,314.73Azi)

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
13400.00	91.06	314.73	7813.82	4043.38	-4081.36	5745.12	0.00	445019.05	648128.00	
13500.00	91.06	314.73	7811.98	4113.74	-4152.39	5845.11	0.00	445089.42	648056.98	
13600.00	91.06	314.73	7810.13	4184.11	-4223.42	5945.09	0.00	445159.79	647985.95	
13700.00	91.06	314.73	7808.29	4254.48	-4294.45	6045.07	0.00	445230.16	647914.92	
13800.00	91.06	314.73	7806.44	4324.85	-4365.48	6145.05	0.00	445300.52	647843.89	
13900.00	91.06	314.73	7804.60	4395.22	-4436.50	6245.04	0.00	445370.89	647772.87	
14000.00	91.06	314.73	7802.76	4465.58	-4507.53	6345.02	0.00	445441.26	647701.84	
14100.00	91.06	314.73	7800.91	4535.95	-4578.56	6445.00	0.00	445511.63	647630.81	
14200.00	91.06	314.73	7799.07	4606.32	-4649.59	6544.99	0.00	445582.00	647559.78	
14300.00	91.06	314.73	7797.23	4676.69	-4720.62	6644.97	0.00	445652.36	647488.75	
14400.00	91.06	314.73	7795.38	4747.06	-4791.64	6744.95	0.00	445722.73	647417.73	
14500.00	91.06	314.73	7793.54	4817.42	-4862.67	6844.94	0.00	445793.10	647346.70	
14600.00	91.06	314.73	7791.70	4887.79	-4933.70	6944.92	0.00	445863.47	647275.67	
14700.00	91.06	314.73	7789.85	4958.16	-5004.73	7044.90	0.00	445933.84	647204.64	
14800.00	91.06	314.73	7788.01	5028.53	-5075.75	7144.88	0.00	446004.20	647133.61	
14900.00	91.06	314.73	7786.16	5098.90	-5146.78	7244.87	0.00	446074.57	647062.59	
15000.00	91.06	314.73	7784.32	5169.26	-5217.81	7344.85	0.00	446144.94	646991.56	
15100.00	91.06	314.73	7782.48	5239.63	-5288.84	7444.83	0.00	446215.31	646920.53	
15200.00	91.06	314.73	7780.63	5310.00	-5359.87	7544.82	0.00	446285.68	646849.50	
15300.00	91.06	314.73	7778.79	5380.37	-5430.89	7644.80	0.00	446356.04	646778.48	
15400.00	91.06	314.73	7776.95	5450.73	-5501.92	7744.78	0.00	446426.41	646707.45	
15500.00	91.06	314.73	7775.10	5521.10	-5572.95	7844.77	0.00	446496.78	646636.42	
15600.00	91.06	314.73	7773.26	5591.47	-5643.98	7944.75	0.00	446567.15	646565.39	
15700.00	91.06	314.73	7771.41	5661.84	-5715.00	8044.73	0.00	446637.51	646494.36	
15800.00	91.06	314.73	7769.57	5732.21	-5786.03	8144.71	0.00	446707.88	646423.34	
15900.00	91.06	314.73	7767.73	5802.57	-5857.06	8244.70	0.00	446778.25	646352.31	
16000.00	91.06	314.73	7765.88	5872.94	-5928.09	8344.68	0.00	446848.62	646281.28	
16100.00	91.06	314.73	7764.04	5943.31	-5999.12	8444.66	0.00	446918.99	646210.25	
16200.00	91.06	314.73	7762.20	6013.68	-6070.14	8544.65	0.00	446989.35	646139.22	
16264.89	91.06	314.73	7761.00	6059.34	-6116.23	8609.52	0.00	447035.01	646093.14	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			7761.00	6059.34	-6116.23	447035.01	646093.14	32 13 41.280 N	103 51 39.189 W
Tgt 2			7851.00	2930.99	-2958.51	443906.67	649250.86	32 13 10.183 N	103 51 2.592 W
Tgt 1			7886.00	685.07	-691.51	441660.75	651517.86	32 12 47.856 N	103 50 36.322 W
Csg tgt			7900.00	741.72	-748.74	441717.40	651460.63	32 12 48.419 N	103 50 36.985 W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
8708.01	7900.00	0.000	0.000	Csg

TAMM
25 OCT 2011

Weatherford International Ltd.

WFT Plan Report - X & Y's



Weatherford

Company: BOPCO, L.P.	Date: 10/6/2011	Time: 13:35:54	Page: 4
Field: Eddy County, NM (Nad 27)	Co-ordinate(NE) Reference:	Well: PLU 335H, Grid North	
Site: Poker Lake Unit 335H	Vertical (TVD) Reference:	SITE 3471.0	
Well: PLU 335H	Section (YS) Reference:	Well (0.00N,0.00E,314.73Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Annotation

MD ft	TVD ft	
7327.04	7327.04	Kop
8227.04	7900.00	Lp/Eoc
8708.01	7900.00	Csg/Build
8743.23	7899.68	Hold
16264.88	7761.00	Pbhl

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
405.00	405.00	T/Rustler		0.00	0.00
773.00	773.00	T/Salt		0.00	0.00
3845.00	3845.00	B/Salt		0.00	0.00
4071.00	4071.00	T/Lamar		0.00	0.00
4098.00	4098.00	T/Ramsey		0.00	0.00
6146.00	6146.00	T/LCC		0.00	0.00
7725.31	7694.00	LBC 8A		0.00	0.00
8006.30	7858.00	LBC Y Sand		0.00	0.00

TAM
25 OCT 2011

**Weatherford®****Weatherford Drilling Services**

GeoDec v5.03

Report Date: September 27, 2011
Job Number: _____
Customer: BOPCO
Well Name: Poker Lake Unit #335H
API Number: _____
Rig Name: _____
Location: Eddy Co, NM
Block: _____
Engineer: RWJ

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 440975.680 USFT	Latitude 32.2114013 DEG
East/West 652209.370 USFT	Longitude -103.8411971 DEG
Grid Convergence: -26°	
Total Correction: +7.41°	

Geodetic Location WGS84 Elevation = 0.0 Meters
Latitude = 32.21140° N 32° 12 min 41.045 sec
Longitude = 103.84120° W 103° 50 min 28.310 sec

Magnetic Declination =	7.67°	[True North Offset]	
Local Gravity =	.9988 g	Checksum =	6505
Local Field Strength =	48564 nT	Magnetic Vector X =	23978 nT
Magnetic Dip =	60.12°	Magnetic Vector Y =	3227 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z =	42108 nT
Spud Date =	Oct 25, 2011	Magnetic Vector H =	24194 nT

Signed: _____

Date: _____

*TMM
25 Oct 2011*