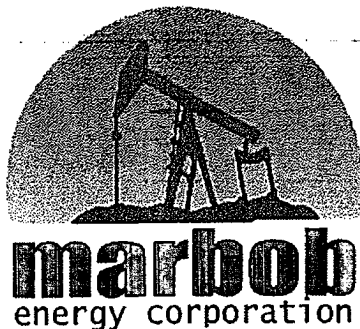




Field: Mucho Cerveza Federal #1
 Site: Sec 36, T-20-S, R29-E
 Well: Mucho Cerveza Federal #1
 Wellpath: Original Hole
 Plan: Plan #2 8-22-06

PATHFINDER

SITE DETAILS

Sec 36, T-20-S, R29-E
 Eddy County, New Mexico
 Water Depth: 0.00
 Positional Uncertainty: 0.00
 Convergence: 0.16

FIELD DETAILS

Mucho Cerveza Federal #1
 Sec 36, T20-S, R29-E
 Geodetic System: US State Plane Coordinate System 1927
 Ellipsoid: NAD27 (Clarke 1866)
 Zone: New Mexico, Eastern Zone
 Magnetic Model: igr/2005
 System Datum: Mean Sea Level
 Local North: Grid North

ANNOTATIONS

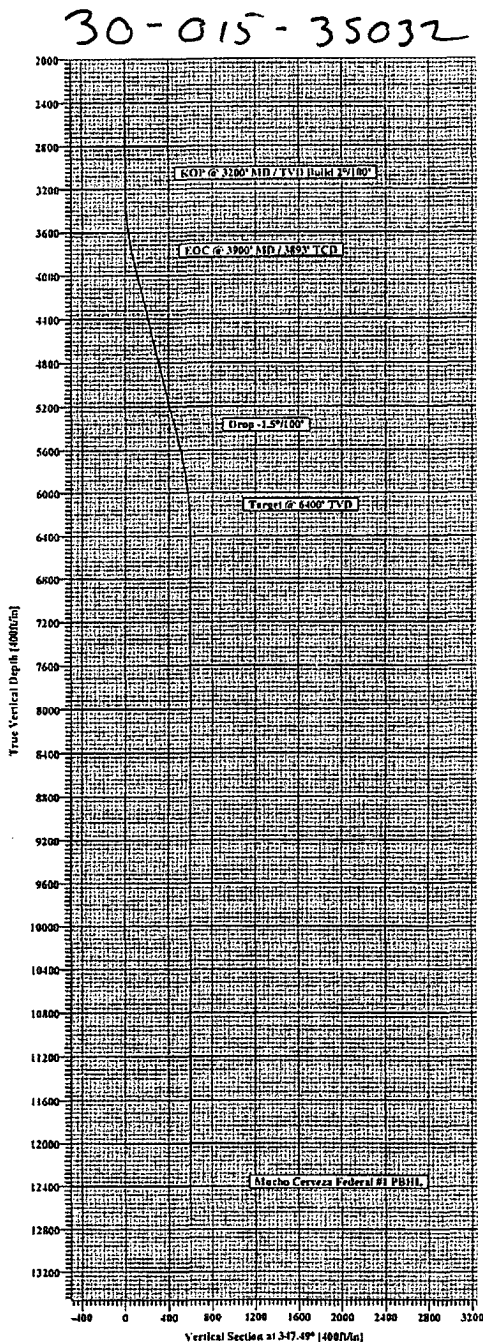
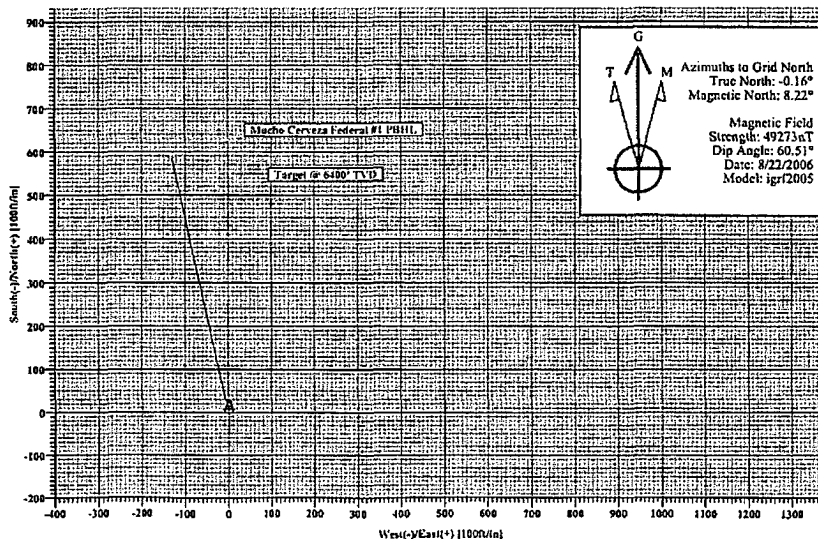
No.	TVD	MD	Annotation
1	3200.00	3200.00	KOP @ 3200' MD / TVD Build 2°/100'
2	3893.06	3900.00	EOC @ 3900' MD / 3893' TCD
3	5503.16	5559.40	Drop -1.5°/100'

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Mucho Cerveza Federal #1	0.00	0.00	556323.50	592226.50	32°31'44.711"N	104°02'02.735"W	N/A

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	347.49	0.00	0.00	0.00	0.00	0.00	0.00	
2	3200.00	0.00	347.49	3200.00	0.00	0.00	0.00	0.00	0.00	
3	3900.00	14.00	347.49	3893.06	83.08	-18.44	2.00	347.49	-85.10	
4	5559.40	14.00	347.49	5503.16	474.98	-105.42	0.00	0.00	486.54	
5	6492.73	0.00	347.49	6427.23	585.75	-130.00	1.50	180.00	600.00	
6	12765.50	0.00	347.49	12700.00	585.75	-130.00	0.00	0.00	600.00	Mucha Cerveza Federal #1 PBHL



Pathfinder Energy Planning Report

Company: Marbob Energy Field: Mucho Cerveza Federal #1 Site: Sec 36, T-20-S, R29-E Well: Mucho Cerveza Federal #1 Wellpath: Original Hole				Date: 8/22/2006 Time: 15:51:39 Page: 1 Co-ordinate(NE) Reference: Well: Mucho Cerveza Federal #1 Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,347.49Azi) Plan: Plan #2 8-22-06							
Field: Mucho Cerveza Federal #1 Sec 36, T20-S, R29-E											
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: igrf2005							
Site: Sec 36, T-20-S, R29-E Eddy County, New Mexico											
Site Position: From: Lease Line Position Uncertainty: 0.00 ft Ground Level: 0.00 ft		Northing: ft Easting: ft		Latitude: Longitude: North Reference: Grid Grid Convergence: 0.16 deg							
Well: Mucho Cerveza Federal #1				Slot Name:							
Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft		Northing: 556323.50 ft Easting: 592226.50 ft		Latitude: 32 31 44.711 N Longitude: 104 2 2.735 W							
Wellpath: Original Hole				Drilled From: Surface							
Current Datum: SITE Magnetic Data: 8/22/2006 Field Strength: 49273 nT Vertical Section: Depth From (TVD) ft		Height 0.00 ft +N/-S ft		Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.38 deg Mag Dip Angle: 60.51 deg +E/-W Direction deg							
0.00		0.00		347.49							
Plan: Plan #2 8-22-06				Date Composed: 5/17/2005 Version: 1 Tied-to: From Surface							
Principal: No											
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	347.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
3200.00	0.00	347.49	3200.00	0.00	0.00	0.00	0.00	0.00	0.00		
3900.00	14.00	347.49	3893.06	83.08	-18.44	2.00	2.00	0.00	347.49		
5559.40	14.00	347.49	5503.16	474.98	-105.42	0.00	0.00	0.00	0.00		
6492.73	0.00	347.49	6427.23	585.75	-130.00	1.50	-1.50	0.00	180.00		
12765.50	0.00	347.49	12700.00	585.75	-130.00	0.00	0.00	0.00	0.00	Mucho Cerveza Federal #1	
Survey											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment	
0.00	0.00	347.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100.00	0.00	347.49	100.00	0.00	0.00	0.00	0.00	0.00	0.00		
200.00	0.00	347.49	200.00	0.00	0.00	0.00	0.00	0.00	0.00		
300.00	0.00	347.49	300.00	0.00	0.00	0.00	0.00	0.00	0.00		
400.00	0.00	347.49	400.00	0.00	0.00	0.00	0.00	0.00	0.00		
500.00	0.00	347.49	500.00	0.00	0.00	0.00	0.00	0.00	0.00		
600.00	0.00	347.49	600.00	0.00	0.00	0.00	0.00	0.00	0.00		
700.00	0.00	347.49	700.00	0.00	0.00	0.00	0.00	0.00	0.00		
800.00	0.00	347.49	800.00	0.00	0.00	0.00	0.00	0.00	0.00		
900.00	0.00	347.49	900.00	0.00	0.00	0.00	0.00	0.00	0.00		
1000.00	0.00	347.49	1000.00	0.00	0.00	0.00	0.00	0.00	0.00		
1100.00	0.00	347.49	1100.00	0.00	0.00	0.00	0.00	0.00	0.00		
1200.00	0.00	347.49	1200.00	0.00	0.00	0.00	0.00	0.00	0.00		
1300.00	0.00	347.49	1300.00	0.00	0.00	0.00	0.00	0.00	0.00		
1400.00	0.00										

Pathfinder Energy

Planning Report

Company: Marbob Energy	Date: 8/22/2005	Time: 15:51:39	Page: 2
Field: Mucho Cerveza Federal #1	Co-ordinate(NE) Reference Well: Mucho Cerveza Federal #1		
Site: Sec 36, T-20-S, R29-E	Vertical (TVD) Reference SITE 0.0		
Well: Mucho Cerveza Federal #1	Section (VS) Reference: Well (0.00N,0.00E,347.49Azi)		
Wellpath: Original Hole	Plan: Plan #2 8-22-06		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1500.00	0.00	347.49	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	347.49	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	347.49	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	347.49	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	347.49	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	347.49	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	347.49	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	347.49	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	347.49	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	347.49	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	347.49	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	347.49	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	347.49	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	347.49	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	347.49	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	347.49	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	347.49	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	347.49	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP @ 3200' MD / TVD Bu
3300.00	2.00	347.49	3299.98	1.70	-0.38	1.75	2.00	2.00	0.00	
3400.00	4.00	347.49	3399.84	6.81	-1.51	6.98	2.00	2.00	0.00	
3500.00	6.00	347.49	3499.45	15.32	-3.40	15.69	2.00	2.00	0.00	
3600.00	8.00	347.49	3598.70	27.22	-6.04	27.88	2.00	2.00	0.00	
3700.00	10.00	347.49	3697.47	42.49	-9.43	43.52	2.00	2.00	0.00	
3800.00	12.00	347.49	3795.62	61.12	-13.56	62.60	2.00	2.00	0.00	
3900.00	14.00	347.49	3893.06	83.08	-18.44	85.10	2.00	2.00	0.00	EOC @ 3900' MD / 3893' TC
4000.00	14.00	347.49	3990.08	106.69	-23.68	109.29	0.00	0.00	0.00	
4100.00	14.00	347.49	4087.11	130.31	-28.92	133.48	0.00	0.00	0.00	
4200.00	14.00	347.49	4184.14	153.93	-34.16	157.67	0.00	0.00	0.00	
4300.00	14.00	347.49	4281.17	177.55	-39.40	181.87	0.00	0.00	0.00	
4400.00	14.00	347.49	4378.20	201.16	-44.65	206.06	0.00	0.00	0.00	
4500.00	14.00	347.49	4475.23	224.78	-49.89	230.25	0.00	0.00	0.00	
4600.00	14.00	347.49	4572.26	248.40	-55.13	254.44	0.00	0.00	0.00	
4700.00	14.00	347.49	4669.29	272.02	-60.37	278.63	0.00	0.00	0.00	
4800.00	14.00	347.49	4766.32	296.63	-65.61	302.83	0.00	0.00	0.00	
4900.00	14.00	347.49	4863.35	319.25	-70.85	327.02	0.00	0.00	0.00	
5000.00	14.00	347.49	4960.38	342.87	-76.10	351.21	0.00	0.00	0.00	
5100.00	14.00	347.49	5057.41	366.49	-81.34	375.40	0.00	0.00	0.00	
5200.00	14.00	347.49	5154.44	390.10	-86.58	399.59	0.00	0.00	0.00	
5300.00	14.00	347.49	5251.47	413.72	-91.82	423.79	0.00	0.00	0.00	
5400.00	14.00	347.49	5348.50	437.34	-97.06	447.98	0.00	0.00	0.00	
5500.00	14.00	347.49	5445.53	460.96	-102.30	472.17	0.00	0.00	0.00	
5559.40	14.00	347.49	5503.16	474.98	-105.42	486.54	0.00	0.00	0.00	Drop -1.5°/100'
5600.00	13.39	347.49	5542.61	484.37	-107.50	496.15	1.50	-1.50	0.00	
5700.00	11.89	347.49	5640.18	505.73	-112.24	518.04	1.50	-1.50	0.00	
5800.00	10.39	347.49	5738.30	524.59	-116.43	537.36	1.50	-1.50	0.00	
5900.00	8.89	347.49	5836.88	540.94	-120.06	554.11	1.50	-1.50	0.00	
6000.00	7.39	347.49	5935.87	554.77	-123.12	568.27	1.50	-1.50	0.00	
6100.00	5.89	347.49	6035.20	566.06	-125.63	579.83	1.50	-1.50	0.00	
6200.00	4.39	347.49	6134.79	574.80	-127.57	588.79	1.50	-1.50	0.00	
6300.00	2.89	347.49	6234.59	581.00	-128.95	595.14	1.50	-1.50	0.00	
6400.00	1.39	347.49	6334.51	584.65	-129.76	598.88	1.50	-1.50	0.00	
6465.50	0.41	347.49	6400.00	585.86	-129.98	599.91	1.50	-1.50	0.00	Target @ 6400' TVD
6492.73	0.00	347.49	6427.23	585.75	-130.00	600.00	1.50	-1.50	0.00	
6500.00	0.00	347.49	6434.50	585.75	-130.00	600.00	0.00	0.00	0.00	

Pathfinder Energy

Planning Report

Company: Marbob Energy Field: Mucho Cerveza Federal #1 Site: Sec 36, T-20-S, R29-E Well: Mucho Cerveza Federal #1 Wellpath: Original Hole	Date: 8/22/2006 Time: 15:51:39 Page: 3 Co-ordinate(NE) Reference: Well: Mucho Cerveza Federal #1 Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,347.49Azi) Plan: Plan #2 8-22-06
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Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6600.00	0.00	347.49	6534.50	585.75	-130.00	600.00	0.00	0.00	0.00	
6700.00	0.00	347.49	6634.50	585.75	-130.00	600.00	0.00	0.00	0.00	
6800.00	0.00	347.49	6734.50	585.75	-130.00	600.00	0.00	0.00	0.00	
6900.00	0.00	347.49	6834.50	585.75	-130.00	600.00	0.00	0.00	0.00	
7000.00	0.00	347.49	6934.50	585.75	-130.00	600.00	0.00	0.00	0.00	
7100.00	0.00	347.49	7034.50	585.75	-130.00	600.00	0.00	0.00	0.00	
7200.00	0.00	347.49	7134.50	585.75	-130.00	600.00	0.00	0.00	0.00	
7300.00	0.00	347.49	7234.50	585.75	-130.00	600.00	0.00	0.00	0.00	
7400.00	0.00	347.49	7334.50	585.75	-130.00	600.00	0.00	0.00	0.00	
7500.00	0.00	347.49	7434.50	585.75	-130.00	600.00	0.00	0.00	0.00	
7600.00	0.00	347.49	7534.50	585.75	-130.00	600.00	0.00	0.00	0.00	
7700.00	0.00	347.49	7634.50	585.75	-130.00	600.00	0.00	0.00	0.00	
7800.00	0.00	347.49	7734.50	585.75	-130.00	600.00	0.00	0.00	0.00	
7900.00	0.00	347.49	7834.50	585.75	-130.00	600.00	0.00	0.00	0.00	
8000.00	0.00	347.49	7934.50	585.75	-130.00	600.00	0.00	0.00	0.00	
8100.00	0.00	347.49	8034.50	585.75	-130.00	600.00	0.00	0.00	0.00	
8200.00	0.00	347.49	8134.50	585.75	-130.00	600.00	0.00	0.00	0.00	
8300.00	0.00	347.49	8234.50	585.75	-130.00	600.00	0.00	0.00	0.00	
8400.00	0.00	347.49	8334.50	585.75	-130.00	600.00	0.00	0.00	0.00	
8500.00	0.00	347.49	8434.50	585.75	-130.00	600.00	0.00	0.00	0.00	
8600.00	0.00	347.49	8534.50	585.75	-130.00	600.00	0.00	0.00	0.00	
8700.00	0.00	347.49	8634.50	585.75	-130.00	600.00	0.00	0.00	0.00	
8800.00	0.00	347.49	8734.50	585.75	-130.00	600.00	0.00	0.00	0.00	
8900.00	0.00	347.49	8834.50	585.75	-130.00	600.00	0.00	0.00	0.00	
9000.00	0.00	347.49	8934.50	585.75	-130.00	600.00	0.00	0.00	0.00	
9100.00	0.00	347.49	9034.50	585.75	-130.00	600.00	0.00	0.00	0.00	
9200.00	0.00	347.49	9134.50	585.75	-130.00	600.00	0.00	0.00	0.00	
9300.00	0.00	347.49	9234.50	585.75	-130.00	600.00	0.00	0.00	0.00	
9400.00	0.00	347.49	9334.50	585.75	-130.00	600.00	0.00	0.00	0.00	
9500.00	0.00	347.49	9434.50	585.75	-130.00	600.00	0.00	0.00	0.00	
9600.00	0.00	347.49	9534.50	585.75	-130.00	600.00	0.00	0.00	0.00	
9700.00	0.00	347.49	9634.50	585.75	-130.00	600.00	0.00	0.00	0.00	
9800.00	0.00	347.49	9734.50	585.75	-130.00	600.00	0.00	0.00	0.00	
9900.00	0.00	347.49	9834.50	585.75	-130.00	600.00	0.00	0.00	0.00	
10000.00	0.00	347.49	9934.50	585.75	-130.00	600.00	0.00	0.00	0.00	
10100.00	0.00	347.49	10034.50	585.75	-130.00	600.00	0.00	0.00	0.00	
10200.00	0.00	347.49	10134.50	585.75	-130.00	600.00	0.00	0.00	0.00	
10300.00	0.00	347.49	10234.50	585.75	-130.00	600.00	0.00	0.00	0.00	
10400.00	0.00	347.49	10334.50	585.75	-130.00	600.00	0.00	0.00	0.00	
10500.00	0.00	347.49	10434.50	585.75	-130.00	600.00	0.00	0.00	0.00	
10600.00	0.00	347.49	10534.50	585.75	-130.00	600.00	0.00	0.00	0.00	
10700.00	0.00	347.49	10634.50	585.75	-130.00	600.00	0.00	0.00	0.00	
10800.00	0.00	347.49	10734.50	585.75	-130.00	600.00	0.00	0.00	0.00	
10900.00	0.00	347.49	10834.50	585.75	-130.00	600.00	0.00	0.00	0.00	
11000.00	0.00	347.49	10934.50	585.75	-130.00	600.00	0.00	0.00	0.00	
11100.00	0.00	347.49	11034.50	585.75	-130.00	600.00	0.00	0.00	0.00	
11200.00	0.00	347.49	11134.50	585.75	-130.00	600.00	0.00	0.00	0.00	
11300.00	0.00	347.49	11234.50	585.75	-130.00	600.00	0.00	0.00	0.00	
11400.00	0.00	347.49	11334.50	585.75	-130.00	600.00	0.00	0.00	0.00	
11500.00	0.00	347.49	11434.50	585.75	-130.00	600.00	0.00	0.00	0.00	
11600.00	0.00	347.49	11534.50	585.75	-130.00	600.00	0.00	0.00	0.00	
11700.00	0.00	347.49	11634.50	585.75	-130.00	600.00	0.00	0.00	0.00	
11800.00	0.00	347.49	11734.50	585.75	-130.00	600.00	0.00	0.00	0.00	

Pathfinder Energy

Planning Report

Company: Marbob Energy Field: Mucho Cerveza Federal #1 Site: Sec 36, T-20-S, R29-E Well: Mucho Cerveza Federal #1 Wellpath: Original Hole	Date: 8/22/2006 Time: 15:51:39 Page: 4 Co-ordinate(NE) Reference: Well: Mucho Cerveza Federal #1 Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,347.49Azi) Plan: Plan #2 8-22-06
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Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
11900.00	0.00	347.49	11834.50	585.75	-130.00	600.00	0.00	0.00	0.00	
12000.00	0.00	347.49	11934.50	585.75	-130.00	600.00	0.00	0.00	0.00	
12100.00	0.00	347.49	12034.50	585.75	-130.00	600.00	0.00	0.00	0.00	
12200.00	0.00	347.49	12134.50	585.75	-130.00	600.00	0.00	0.00	0.00	
12300.00	0.00	347.49	12234.50	585.75	-130.00	600.00	0.00	0.00	0.00	
12400.00	0.00	347.49	12334.50	585.75	-130.00	600.00	0.00	0.00	0.00	
12500.00	0.00	347.49	12434.50	585.75	-130.00	600.00	0.00	0.00	0.00	
12600.00	0.00	347.49	12534.50	585.75	-130.00	600.00	0.00	0.00	0.00	
12700.00	0.00	347.49	12634.50	585.75	-130.00	600.00	0.00	0.00	0.00	
12765.50	0.00	347.49	12700.00	585.75	-130.00	600.00	0.00	0.00	0.00	Mucho Cerveza Federal #1

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ---->			<--- Longitude --->		
							Deg	Min	Sec	Deg	Min	Sec
Target @ 6400' TVD -Plan hit target		6400.00	585.75	-130.00	556909.25	592096.50	32	31	50.511	N	104	2 4.234 W
Mucho Cerveza Federal #1 PBHL -Plan hit target		12700.00	585.75	-130.00	556909.25	592096.50	32	31	50.511	N	104	2 4.234 W

Annotation

MD ft	TVD ft	
3200.00	3200.00	KOP @ 3200' MD / TVD Build 2°/100'
3900.00	3893.06	EOC @ 3900' MD / 3893' TCD
5559.40	5503.16	Drop -1.5°/100'