

Results of Directional Survey

API number:	30-025-31318		
OGRID:		Operator:	BTA OIL PRODUCERS LLC
		Property:	GEM 8705 JV-P # 6

surface	ULSTR:	K	02	T	20S	R	33E
			1966	FSL	1975	FWL	

BH Loc	ULSTR:	I	02	T	20S	R	33E
			2039	FSL	4961	FWL	

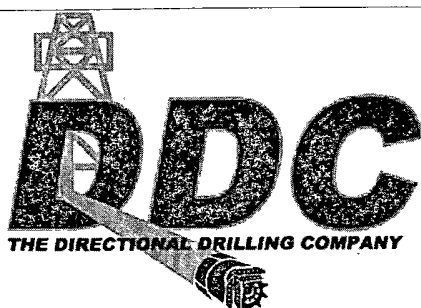
	MD	N/S	E/W	VD
	10379	9.12	459.42	10133.76
TOP PERFS/OH	10400	6.12	480.16	10135.19
	10410	4.69	490.03	10135.87
	12339	34.74	2416.87	10167.03
BOT PERFS/OH	12392	37.79	2469.77	10168.23
	12402	38.36	2479.75	10168.46

NEXT TO LAST	12779	63.19	2855.69	10178.36
LAST READING	12842	68.17	2919.09	10183.30
TD	12908	73.39	2985.51	10188.48

Surface Location	1966	FS	1975	FW
Projected BHL	2039	FS	4961	FW
Location of				
Top Perfs/OH	1972	FS	2455	FW
Bottom Perfs/OH	2004	FS	4445	FW

SUMMARY of Subsurface Locations

Surface Location	K-02-20S-33E	1966	FS	1975	FW	Vert. Depth
Top Perfs/OH	K-02-20S-33E	1972	FS	2455	FW	10135.19
Bottom Perfs/OH	I-02-20S-33E	2004	FS	4445	FW	10168.23
Projected TD	I-02-20S-33E	2039	FS	4961	FW	10188.48



Job Number: MI-08
 Company: BTA Oil Producers
 Lease/Well: 8705 JV-P Gem #6H
 Location: Lea County
 Rig Name: CC Forbes
 RKB:
 G.L. or M.S.L.: 3585'

State/Country: New Mexico
 Declination: 8.00991
 Grid: -0.35
 File name: Z:\2008\Q080240\Q080243\Q080243.SVY
 Date/Time: 29-Sep-08 / 16:03
 Curve Name: As-Drilled 8705 JV-P Gem #6H

SUR: K-2-20s-33e, 1966/S & 1975/W
 BHL: I-2-20s-33e, 2039/S & 4961/W
 API # 30-025-31318

WINSERVE PROPOSAL REPORT
 Minimum Curvature Method
 Vertical Section Plane 89.35
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
Tie-in To Gyro									
9600.00	1.41	177.93	9597.93	13.39	19.56	13.17	23.58	33.95	.00
9655.00	7.30	116.40	9652.76	16.52	17.33	16.33	23.81	43.30	12.26
9686.00	10.40	102.50	9683.39	21.00	15.85	20.83	26.17	52.73	12.08
9718.00	11.60	93.80	9714.81	27.02	15.01	26.86	30.76	60.80	6.39
9750.00	13.10	92.50	9746.07	33.85	14.64	33.69	36.73	66.52	4.77
9781.00	15.10	93.90	9776.13	41.39	14.21	41.23	43.61	70.99	6.54
9813.00	17.10	93.90	9806.87	50.23	13.60	50.08	51.90	74.80	6.25
9845.00	19.20	92.10	9837.28	60.18	13.09	60.03	61.45	77.70	6.79
9873.00	21.80	87.10	9863.51	69.98	13.19	69.83	71.06	79.31	11.19
9905.00	24.70	83.40	9892.91	82.57	14.26	82.41	83.63	80.19	10.14
9937.00	28.40	83.80	9921.53	96.80	15.85	96.62	97.91	80.69	11.58

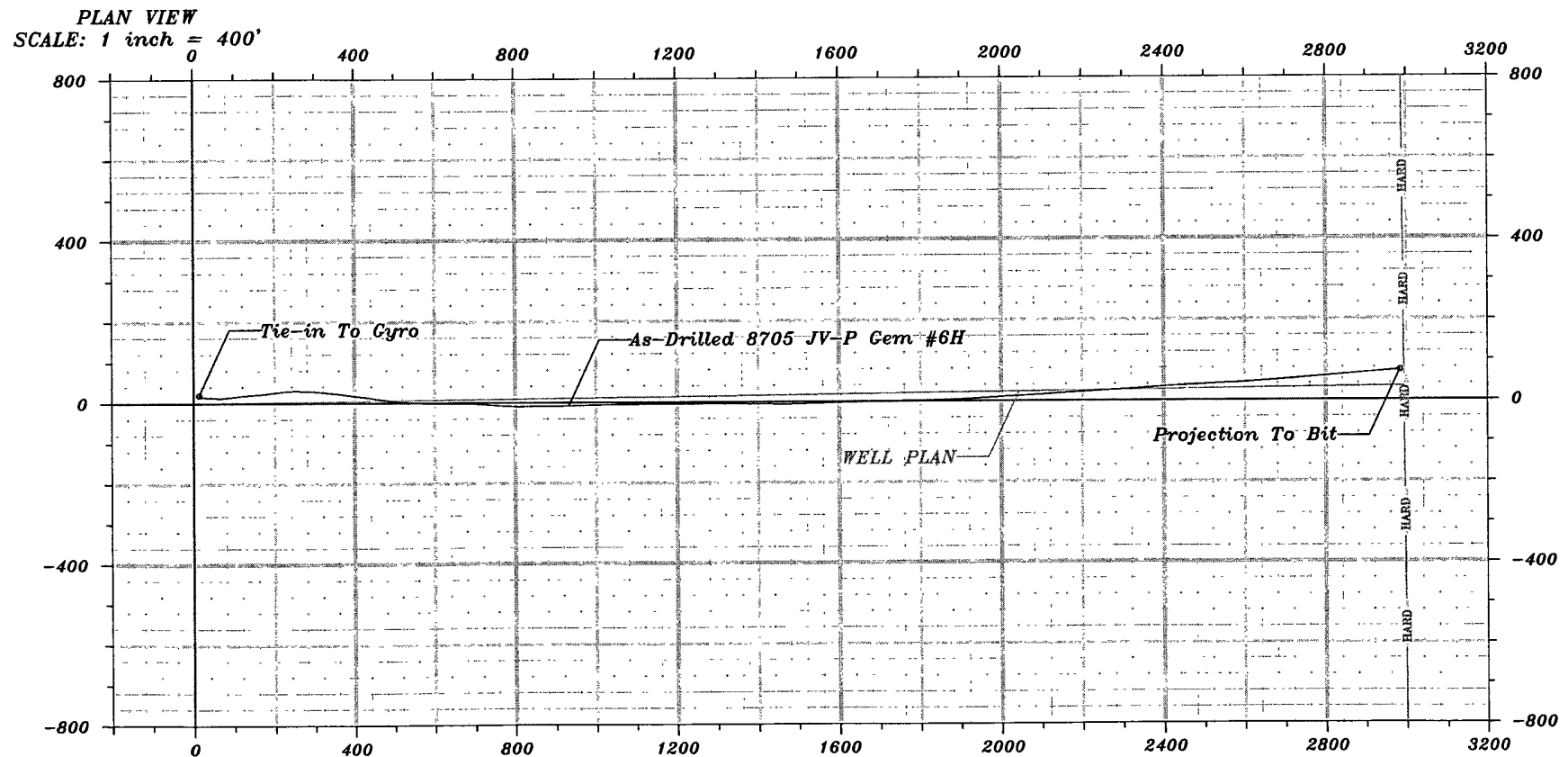
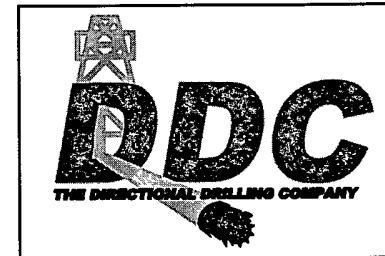
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
9967.00	32.60	84.30	9947.37	111.95	17.42	111.76	113.11	81.14	14.03
9998.00	37.00	84.70	9972.82	129.58	19.11	129.37	130.77	81.60	14.21
10030.00	42.30	85.00	9997.45	149.93	20.94	149.70	151.16	82.04	16.57
10062.00	47.30	84.50	10020.15	172.40	23.01	172.15	173.68	82.39	15.66
10093.00	52.20	83.20	10040.17	195.94	25.55	195.66	197.32	82.56	16.13
10125.00	55.80	84.00	10058.98	221.69	28.43	221.38	223.20	82.68	11.43
10157.00	59.10	88.30	10076.20	248.61	30.22	248.28	250.12	83.06	15.31
10188.00	63.80	92.70	10091.02	275.82	29.96	275.50	277.12	83.79	19.62
10222.00	70.90	95.10	10104.10	307.07	27.81	306.78	308.03	84.82	21.87
10254.00	75.40	96.30	10113.38	337.50	24.77	337.24	338.15	85.80	14.51
10285.00	79.10	97.70	10120.22	367.46	21.08	367.25	367.85	86.71	12.72
10317.00	80.00	97.10	10126.02	398.62	17.03	398.45	398.82	87.55	3.36
10347.00	82.40	97.00	10130.61	428.00	13.39	427.87	428.08	88.21	8.01
10379.00	86.30	98.40	10133.76	459.50	9.12	459.42	459.51	88.86	12.94
10410.00	85.90	98.10	10135.87	490.05	4.69	490.03	490.05	89.45	1.61
10442.00	87.70	94.10	10137.66	521.77	1.29	521.79	521.79	89.86	13.69
10476.00	90.80	91.20	10138.10	555.71	-.28	555.75	555.75	90.03	12.48
10507.00	91.00	91.00	10137.61	586.69	-.87	586.74	586.74	90.09	.91
10539.00	90.50	91.10	10137.19	618.67	-1.46	618.73	618.73	90.14	1.59
10569.00	89.20	90.50	10137.27	648.66	-1.88	648.72	648.73	90.17	4.77
10601.00	89.00	90.40	10137.78	680.65	-2.13	680.72	680.72	90.18	.70
10633.00	88.60	94.70	10138.45	712.59	-3.55	712.67	712.68	90.29	13.49
10664.00	88.80	94.80	10139.15	743.44	-6.12	743.56	743.58	90.47	.72
10696.00	89.10	92.20	10139.74	775.35	-8.07	775.49	775.53	90.60	8.18
10728.00	88.60	91.80	10140.38	807.31	-9.19	807.46	807.52	90.65	2.00
10759.00	88.80	89.10	10141.08	838.29	-9.43	838.45	838.51	90.64	8.73
10791.00	88.70	89.30	10141.78	870.28	-8.99	870.44	870.49	90.59	.70
10823.00	88.50	89.10	10142.56	902.27	-8.54	902.43	902.47	90.54	.88
10854.00	88.40	89.10	10143.40	933.26	-8.05	933.41	933.45	90.49	.32
10886.00	88.20	89.00	10144.35	965.25	-7.52	965.40	965.43	90.45	.70
10917.00	88.00	88.60	10145.38	996.23	-6.87	996.37	996.40	90.40	1.44
10949.00	89.80	88.30	10145.99	1028.22	-6.01	1028.35	1028.37	90.33	5.70
10981.00	89.90	89.00	10146.08	1060.22	-5.25	1060.34	1060.36	90.28	2.21

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
11012.00	90.90	90.00	10145.86	1091.21	-4.98	1091.34	1091.35	90.26	4.56
11044.00	90.80	89.70	10145.38	1123.21	-4.90	1123.34	1123.35	90.25	.99
11075.00	91.00	89.40	10144.90	1154.21	-4.66	1154.33	1154.34	90.23	1.16
11107.00	90.70	89.50	10144.42	1186.20	-4.35	1186.33	1186.34	90.21	.99
11139.00	90.90	89.70	10143.98	1218.20	-4.13	1218.32	1218.33	90.19	.88
11169.00	91.90	90.20	10143.24	1248.19	-4.10	1248.31	1248.32	90.19	3.73
11201.00	89.50	90.30	10142.85	1280.18	-4.24	1280.31	1280.32	90.19	7.51
11264.00	87.70	91.00	10144.39	1343.14	-4.95	1343.28	1343.29	90.21	3.07
11327.00	89.20	90.20	10146.10	1406.10	-5.61	1406.25	1406.27	90.23	2.70
11391.00	89.60	90.50	10146.77	1470.09	-6.00	1470.25	1470.26	90.23	.78
11454.00	89.40	87.60	10147.32	1533.08	-4.96	1533.23	1533.24	90.19	4.61
11518.00	89.40	87.90	10147.99	1597.05	-2.45	1597.18	1597.18	90.09	.47
11581.00	88.40	89.30	10149.20	1660.03	-.91	1660.15	1660.15	90.03	2.73
11644.00	87.90	89.30	10151.23	1723.00	-.14	1723.11	1723.11	90.00	.79
11708.00	88.00	89.00	10153.52	1786.95	.81	1787.06	1787.06	89.97	.49
11771.00	88.00	88.90	10155.72	1849.91	1.96	1850.01	1850.01	89.94	.16
11833.00	88.10	86.80	10157.83	1911.85	4.29	1911.93	1911.93	89.87	3.39
11896.00	87.40	86.80	10160.30	1974.74	7.80	1974.78	1974.80	89.77	1.11
11959.00	88.00	86.70	10162.83	2037.63	11.37	2037.63	2037.66	89.68	.97
12022.00	89.40	86.10	10164.26	2100.53	15.33	2100.49	2100.54	89.58	2.42
12085.00	89.50	86.70	10164.86	2163.44	19.28	2163.36	2163.45	89.49	.97
12149.00	89.50	86.70	10165.42	2227.37	22.97	2227.25	2227.37	89.41	.00
12212.00	89.90	86.80	10165.75	2290.30	26.54	2290.15	2290.30	89.34	.65
12275.00	89.60	86.10	10166.03	2353.22	30.44	2353.03	2353.22	89.26	1.21
12339.00	88.60	86.20	10167.03	2417.11	34.74	2416.87	2417.12	89.18	1.57
12402.00	88.80	87.20	10168.46	2480.03	38.36	2479.75	2480.05	89.11	1.62
12466.00	89.10	87.40	10169.63	2543.98	41.37	2543.67	2544.01	89.07	.56
12529.00	89.50	87.50	10170.40	2606.94	44.18	2606.60	2606.98	89.03	.65
12591.00	89.60	85.20	10170.89	2668.84	48.12	2668.47	2668.90	88.97	3.71
12654.00	88.10	85.50	10172.15	2731.68	53.23	2731.25	2731.77	88.88	2.43
12717.00	87.30	85.40	10174.68	2794.48	58.22	2794.00	2794.61	88.81	1.28
12779.00	85.90	85.40	10178.36	2856.22	63.19	2855.69	2856.39	88.73	2.26
12842.00	85.10	85.50	10183.30	2918.88	68.17	2918.30	2919.09	88.66	1.28

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
Projection To Bit									
12908.00	85.10	85.50	10188.94	2984.49	73.33	2983.85	2984.75	88.59	.00

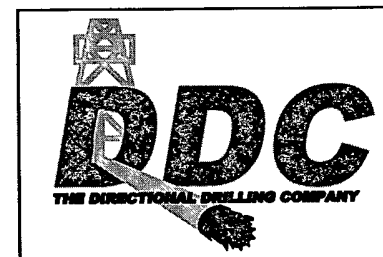
BTA Oil Producers

8705 JV-P Gem #6H
Lea County, New Mexico
MI-08384



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8705 JV-P Gem #6H
Lea County, New Mexico
MI-08384



VERTICAL SECTION
SCALE: 1 inch = 400'
VERTICAL SECTION PLANE= 89.35

