

[illegible]

PathFinder

Planning Report

Company: Yates Petroleum Corporation	Date: 9/1/2005	Time: 13:56:03	Page: 2
Field: Whitbread	Coordinate(NE) Reference: Site Section 1 - T22-S, R24-E, True North		
Site: Section 1, T22-S, R24-E	Vertical (TVD) Reference: SITE 000		
Well: Whitbread BGG Federal Com. #2	Section (VS) Reference: Well (0.00N, 0.00E, 139.29Azi)		
Wellpath: Original Hole	Plan: Plan #1 083005		

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	139.29	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	139.29	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	139.29	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	139.29	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	139.29	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	139.29	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	0.00	139.29	2100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2200.00	0.00	139.29	2200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2300.00	0.00	139.29	2300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2400.00	0.00	139.29	2400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2500.00	0.00	139.29	2500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2600.00	0.00	139.29	2600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2700.00	0.00	139.29	2700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2800.00	0.00	139.29	2800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2900.00	0.00	139.29	2900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3000.00	0.00	139.29	3000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3100.00	0.00	139.29	3100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3200.00	0.00	139.29	3200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3300.00	0.00	139.29	3300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3400.00	0.00	139.29	3400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3500.00	0.00	139.29	3500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3600.00	0.00	139.29	3600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3700.00	0.00	139.29	3700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3800.00	0.00	139.29	3800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3900.00	0.00	139.29	3900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4000.00	0.00	139.29	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4100.00	0.00	139.29	4100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4200.00	0.00	139.29	4200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4300.00	0.00	139.29	4300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4400.00	0.00	139.29	4400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4500.00	0.00	139.29	4500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4600.00	0.00	139.29	4600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4700.00	0.00	139.29	4700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4800.00	0.00	139.29	4800.00	0.00	0.00	0.00	0.00	0.00	0.00	
4900.00	0.00	139.29	4900.00	0.00	0.00	0.00	0.00	0.00	0.00	
5000.00	0.00	139.29	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5070.58	0.00	139.29	5070.58	0.00	0.00	0.00	0.00	0.00	0.00	
5100.00	0.44	139.29	5100.00	-0.09	0.07	0.11	1.50	1.50	0.00	KOP @ 5071' w/1.5° DLS
5200.00	1.94	139.29	5199.98	-1.66	1.43	2.19	1.50	1.50	0.00	
5300.00	3.44	139.29	5299.86	-5.22	4.49	6.89	1.50	1.50	0.00	
5400.00	4.94	139.29	5399.59	-10.76	9.26	14.20	1.50	1.50	0.00	
5500.00	6.44	139.29	5499.10	-18.28	15.73	24.11	1.50	1.50	0.00	
5600.00	7.94	139.29	5598.31	-27.77	23.89	36.63	1.50	1.50	0.00	
5700.00	9.44	139.29	5697.16	-39.22	33.75	51.74	1.50	1.50	0.00	
5800.00	10.94	139.29	5795.57	-52.63	45.29	69.44	1.50	1.50	0.00	
5900.00	12.44	139.29	5893.50	-67.99	58.51	89.70	1.50	1.50	0.00	
6000.00	13.94	139.29	5990.86	-85.29	73.39	112.52	1.50	1.50	0.00	
6100.00	15.44	139.29	6087.58	-104.51	89.93	137.88	1.50	1.50	0.00	
6200.00	16.94	139.29	6183.61	-125.65	108.12	165.76	1.50	1.50	0.00	
6300.00	18.44	139.29	6278.88	-148.68	127.94	196.15	1.50	1.50	0.00	
6403.91	20.00	139.29	6377.00	-174.61	150.25	230.36	1.50	1.50	0.00	End of Build @ 20° Incln
6500.00	20.00	139.29	6467.29	-199.52	171.69	263.22	0.00	0.00	0.00	
6522.65	20.00	139.29	6488.58	-205.39	176.75	270.97	0.00	0.00	0.00	End of Hold / Begin Drop
6600.00	18.84	139.29	6561.52	-224.88	193.52	296.69	1.50	-1.50	0.00	

PathFinder

Planning Report

Company: Yates Petroleum Corporation
 Field: Whitbread
 Site: Section 1, T22-S, R24-E
 Well: Whitbread BGG Federal Com #2
 Wellpath: Original Hole

Date: 9/1/2005 Time: 13:56:03 Page: 3
 Co-ordinate(N/E) Reference: Site: Section 1, T22-S, R24-E, True North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,139.29Azi)
 Plan: Plan #1 083005

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
6700.00	17.34	139.29	6656.58	-248.42	213.77	327.74	1.50	-1.50	0.00	
6800.00	15.84	139.29	6752.41	-270.06	232.40	356.29	1.50	-1.50	0.00	
6900.00	14.34	139.29	6848.96	-289.79	249.38	382.32	1.50	-1.50	0.00	
7000.00	12.84	139.29	6946.16	-307.60	264.70	405.82	1.50	-1.50	0.00	
7100.00	11.34	139.29	7043.94	-323.48	278.36	426.76	1.50	-1.50	0.00	
7200.00	9.84	139.29	7142.23	-337.41	290.35	445.14	1.50	-1.50	0.00	
7300.00	8.34	139.29	7240.97	-349.38	300.65	460.93	1.50	-1.50	0.00	
7400.00	6.84	139.29	7340.10	-359.39	309.27	474.14	1.50	-1.50	0.00	
7500.00	5.34	139.29	7439.53	-367.44	316.19	484.75	1.50	-1.50	0.00	
7600.00	3.84	139.29	7539.21	-373.50	321.41	492.75	1.50	-1.50	0.00	
7700.00	2.34	139.29	7639.06	-377.59	324.92	498.14	1.50	-1.50	0.00	
7800.00	0.84	139.29	7739.02	-379.69	326.73	500.92	1.50	-1.50	0.00	
7855.99	0.00	139.29	7795.00	-380.00	327.00	501.33	1.50	-1.50	0.00	Vertical Wellbore @ 7795'
7900.00	0.00	139.29	7839.01	-380.00	327.00	501.33	0.00	0.00	0.00	
8000.00	0.00	139.29	7939.01	-380.00	327.00	501.33	0.00	0.00	0.00	
8100.00	0.00	139.29	8039.01	-380.00	327.00	501.33	0.00	0.00	0.00	
8200.00	0.00	139.29	8139.01	-380.00	327.00	501.33	0.00	0.00	0.00	
8300.00	0.00	139.29	8239.01	-380.00	327.00	501.33	0.00	0.00	0.00	
8400.00	0.00	139.29	8339.01	-380.00	327.00	501.33	0.00	0.00	0.00	
8500.00	0.00	139.29	8439.01	-380.00	327.00	501.33	0.00	0.00	0.00	
8600.00	0.00	139.29	8539.01	-380.00	327.00	501.33	0.00	0.00	0.00	
8700.00	0.00	139.29	8639.01	-380.00	327.00	501.33	0.00	0.00	0.00	
8800.00	0.00	139.29	8739.01	-380.00	327.00	501.33	0.00	0.00	0.00	
8860.99	0.00	139.29	8800.00	-380.00	327.00	501.33	0.00	0.00	0.00	Whitbread BGG Fed Com #2

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
Vertical Wellbore @ 7795' TVD		7795.00	-380.00	327.00	518454.82	461621.95	32 25 31.024 N	104 27 27.767 W
-Plan hit target								
Whitbread BGG Fed Com #2 PBHL		8800.00	-380.00	327.00	518454.82	461621.95	32 25 31.024 N	104 27 27.767 W
-Plan hit target								

Annotation

MD ft	TVD ft	
5070.58	5070.58	KOP @ 5071' w/1.5° DLS
6403.91	6377.00	End of Build @ 20° Inclination
6522.65	6488.58	End of Hold / Begin Drop to Vertical

Yates Petroleum Corporation

Whitbread "BGG" Federal Com #2 Section 1, T22-S, R24-E Eddy County, New Mexico Plan #1 083005

COMPANY DETAILS

Yates Petroleum Corporation
105 South 4th
Artesia, NM 88210

Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error Ratio

WELLPATH DETAILS

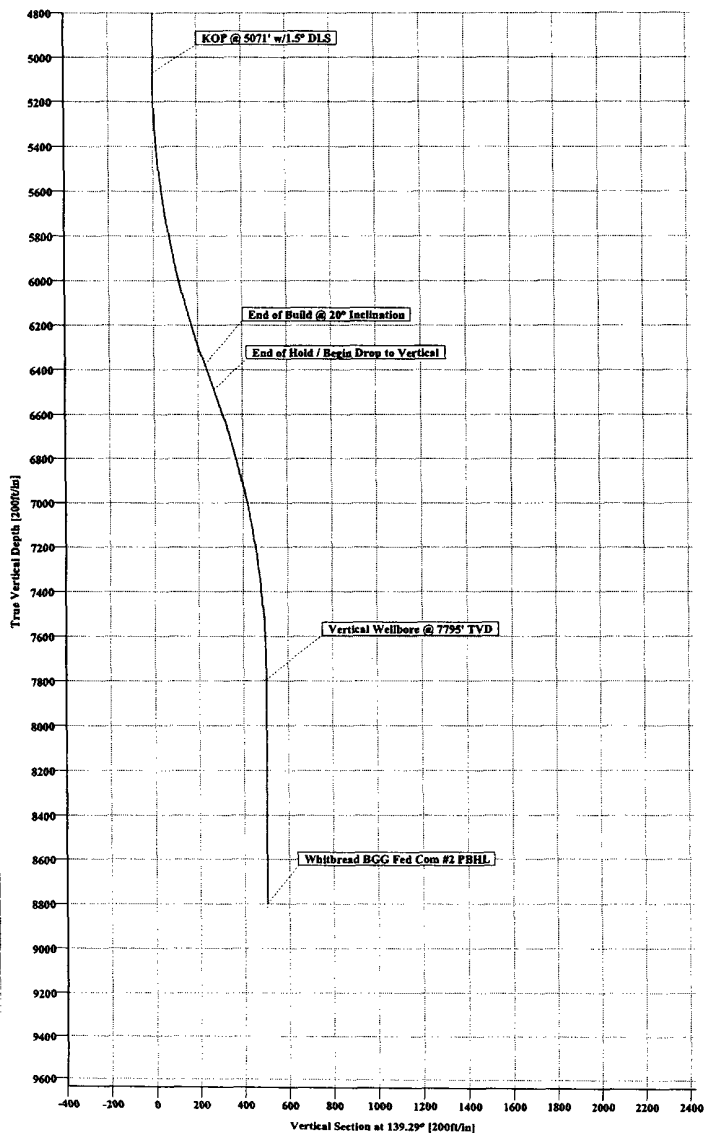
Original Hole
Rig: Patterson UTI #142
Ref. Datum: SITE 0.00ft
V.Section Angle: 139.29°
Origin +N/-S: 0.00
Origin +E/-W: 0.00
Starting From TVD: 0.00

FIELD DETAILS

Whitbread
Eddy County, New Mexico
Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: igrf2005
System Datum: Mean Sea Level
Local North: True North

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	139.29	0.00	0.00	0.00	0.00	0.00	0.00	
2	5070.58	0.00	139.29	5070.58	0.00	0.00	0.00	0.00	0.00	
3	6403.91	20.00	139.29	6377.00	-174.61	150.25	1.50	139.29	230.36	
4	6522.65	20.00	139.29	6488.58	-205.39	176.75	0.00	0.00	270.97	
5	7855.99	0.00	139.29	7795.00	-380.00	327.00	1.50	180.00	501.33	Vertical Wellbore @ 7795' TVD
6	8860.99	0.00	139.29	8800.00	-380.00	327.00	0.00	139.29	501.33	Whitbread BGG Fed Com #2 PBHL



ANNOTATIONS

No.	TVD	MD	Annotation
1	5070.58	5070.58	KOP @ 5071' w/1.5° DLS
2	6377.00	6403.91	End of Build @ 20° Inclination
3	6488.58	6522.65	End of Hold / Begin Drop to Vertical

