

Form 3160-4

(April 1997)

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

 FORM APPROVED
 OMB NO. 1004-0137
 Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

 1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
 b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.,
 Other:

2. Name of Operator

Yates Petroleum Corporation

3. Address

105 S. 4th Str., Artesia, NM 88210

3a. Phone No. (include area code)

505-748-1471

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface

660'FSL & 660'FEL (Unit P, SESE)

At top prod. Interval reported below

At total depth 660'FNL & 778'FEL (Unit A, NENE)

5. Lease Serial No.

NM-96205

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

NMNM14028

8. Lease Name and Well No.

Frisbee BIF Federal Com #1

9. API Well No.

30-005-63810

10. Field and Pool, or Exploratory

Wildcat Wolfcamp

11. Sec., T., R., M., on Block and
Survey or Area

Section 33-T13S-R27E

12. County or Parish 13. State

Chaves

New Mexico

14. Date Spudded

RH 2/28/06 RT 3/27/06

15. Date T.D. Reached

5/28/06

16. Date Completed

10/19/06

☐ D & A☒ Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*

3475'GL 3490'KB

18. Total Depth: MD 9550'
TVD NA19. Plug Back T.D.: MD 9506'
TVD NA20. Depth Bridge Plug Set: MD NA
TVD NA

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CNL, Hi-Res Laterolog Array, Borehole Compensated
Sonic, CBL

22. Was Well cored?

☒ No☐ Yes

(Submit analysis)

Was DST run?

☒ No☐ Yes

(Submit report)

Directional Survey?

☒ No☐ Yes

(Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	State Cementer Depth	No. of Sks & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
	20"	Conductor	Surface	40'				Surface	
17-1/2"	13-3/8"	48#	Surface	430'		520 sx		Surface	
12-1/4"	9-5/8"	36#	Surface	1500'		700 sx		Surface	
8-3/4"	7"	26#	Surface	5805'		750 sx		Surface	
6-3/4"	4-1/2"	11.6#, 13.5#	Surface	9550'		305 sx		2750'CBL	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	5245'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Wolfcamp	6000'	9494'				
B)						
C)						
D)						

SEE ATTACHED SHEET

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material

SEE ATTACHED SHEET

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/20/06	11/14/06	24	⇒	0	428	21	NA	NA	Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
NA	90 psi	480 psi	⇒	0	428	21	NA	Producing	

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			⇒						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			⇒						

ACCEPTED FOR RECORD

DEC - 6 2006

 GARY GOURLEY
 PETROLEUM ENGINEER
 Flowing

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production ⇒	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate ⇒	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production ⇒	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate ⇒	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas Depth
				Queen	567'
				Penrose	670'
				Grayburg	890'
				San Andres	1183'
				Glorieta	2428'
				Yeso	2543'
				Tubb	3960'
				Abo	4755'
				Wolfcamp	5724'
				Wolfcamp B Zone	5860'
				Spear	6198'
				Cisco	6413'
				Canyon	6814'
				Strawn	6958'
				Atoka	7124'
				Chester	7224'
				Mississippian	7268'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
☐ Core Analysis
☒ Other: Deviation Survey

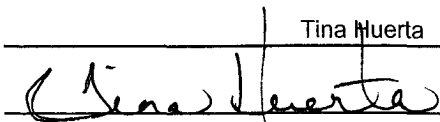
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print)

Tina Huerta

Title Regulatory Compliance Supervisor

Signature



Date November 29, 2006

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

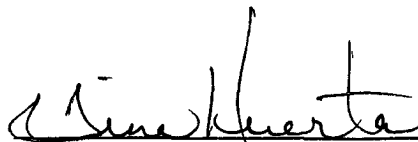
Form 3160-4 continued:

26. Perforation Record

Perforated Interval	Size	No. Holes	Perf. Status
9490'-9494'		20	Producing
9190'-9192'		12	Producing
8890'-8892'		12	Producing
8490'-8494'		20	Producing
8290'-8292'		12	Producing
7950'-7952'		12	Producing
7100'-7102'		12	Producing
7350'-7352'		12	Producing
7650'-7654'		20	Producing
6000'-6003'		16	Producing
6300'-6303'		16	Producing
6650'-6652'		44	Producing

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8890'-9494'	Acidize w/10,000g 15% IC acid
8890'-9494'	Frac w/337,000g FE28 10Q CO2 foam and 145,000# 20/40 and 40/70 brady sand w/10,000# mesh
7950'-8492'	Frac w/338,800g FE28 10Q CO2 foam and 145,000# 20/40 and 40/70 brady sand and 10,000# 100 mesh, spearhead 5000g 15% acid
7100'-7654'	Frac w/337,333g FE28 10Q CO2 foam w/5000# 100 mesh, 105,000# 40/70 brady sand and 35,000# 20/40 brady sand, spearhead 5000g 15% acid
6000'-6652'	Frac w/337,333g FE28 10Q CO2 foam w/5000# 100 mesh, 105,000# 40/70 brady sand and 35,000# 20/40 brady sand, spearhead 5000g 15% IC acid



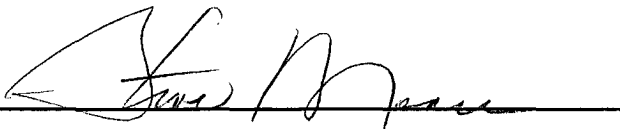
Regulatory Compliance Supervisor
November 29, 2006

OPERATOR Yates Petroleum
WELL/LEASE Frisbee BIF Fed. Com. #1
COUNTY Chaves Co., N.M.

478-0066

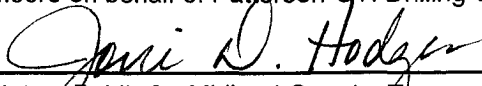
STATE OF NEW MEXICO
DEVIATION REPORT

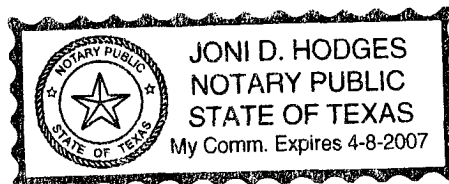
79	0.50	6,516	1.00
196	0.75	6,765	1.00
318	1.25	7,016	0.75
423	1.75	7,266	1.00
503	2.00	7360 T.D.	1.00
620	2.00		
761	2.00		
1,003	1.75		
1,285	1.75		
1,470	1.75		
1,707	0.75		
1,961	1.25		
2,205	1.00		
2,456	1.25		
2,707	1.00		
2,955	1.25		
3,205	0.75		
3,458	1.50		
3,705	0.75		
3,936	1.00		
4,215	0.50		
4,465	1.00		
4,622	0.75		
4,815	0.75		
4,974	0.75		
5,130	0.50		
5,256	0.25		
5,509	1.00		
5,761	0.75		
6,011	0.75		
6,266	1.00		

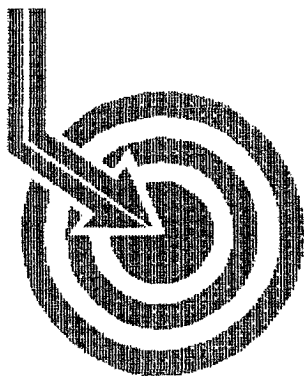
BY: 

STATE OF TEXAS
COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on June 5, 2006, by Steve Moore on behalf of Patterson-UTI Drilling Company LP, LLLP.


Notary Public for Midland County, Texas
My Commission Expires: 4/08/07





Scientific Drilling

YATES PETROLEUM

Field: Wildcat
Site: Chaves County, NM
Well: Frisbee "Bif" Fed Com #1
Wellpath: VH - Job #32K0406335
Survey: 04/27/06

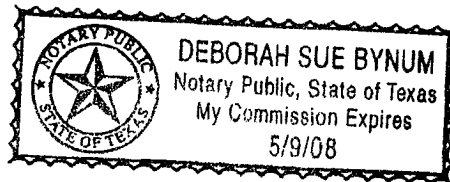
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Deborah Sue Bynum*..... Company Representative

Notorized this date 15th of May, 2006.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: YATES PETROLEUM	Date: 04/28/2006	Time: 13:38:11	Page: 1
Field: Wildcat	Co-ordinate(NE) Reference:	Site: Chaves County, NM, Grid North	
Site: Chaves County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Frisbee "Bif" Fed Com #1	Section (VS) Reference:	Well (0.00N,0.00E,358.55Azi)	
Wellpath: VH - Job #32K0406335	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Survey: 04/27/06	Start Date: 04/27/2006
Company: Scientific Drilling Internatio	Engineer: Madrid w/Signal
Tool: Keeper;Keeper Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.23	125.37	100.00	-0.12	-0.12	0.16	0.23	0.20	125.37
200.00	0.45	117.19	200.00	-0.43	-0.41	0.68	0.22	0.79	121.33
300.00	1.07	95.30	299.99	-0.73	-0.68	1.96	0.67	2.07	109.11
400.00	1.65	86.72	399.96	-0.79	-0.68	4.32	0.61	4.38	98.96
500.00	2.36	79.85	499.90	-0.43	-0.24	7.79	0.75	7.79	91.74
600.00	2.21	79.35	599.82	0.19	0.48	11.71	0.15	11.72	87.64
700.00	2.25	79.42	699.74	0.81	1.20	15.53	0.04	15.58	85.58
800.00	1.94	82.74	799.68	1.29	1.77	19.14	0.33	19.22	84.70
900.00	1.75	78.58	899.62	1.72	2.29	22.32	0.23	22.43	84.14
1000.00	1.48	70.52	999.58	2.39	3.02	25.03	0.35	25.21	83.11
1100.00	1.44	65.67	1099.55	3.28	3.97	27.39	0.13	27.68	81.75
1200.00	1.54	63.26	1199.52	4.34	5.09	29.74	0.12	30.17	80.28
1300.00	1.32	64.97	1299.49	5.37	6.19	31.98	0.22	32.58	79.05
1400.00	1.22	69.80	1399.46	6.18	7.04	34.03	0.15	34.75	78.31
1500.00	1.37	65.91	1499.44	6.98	7.90	36.12	0.17	36.97	77.67
1600.00	1.08	53.67	1599.41	7.98	8.94	37.97	0.39	39.01	76.75
1700.00	1.25	59.40	1699.39	9.05	10.06	39.66	0.21	40.92	75.77
1800.00	1.07	52.67	1799.37	10.13	11.18	41.35	0.23	42.83	74.87
1900.00	1.12	65.20	1899.36	11.06	12.15	42.98	0.24	44.66	74.21
2000.00	1.26	58.59	1999.33	12.00	13.14	44.80	0.20	46.69	73.66
2100.00	1.57	43.84	2099.30	13.51	14.70	46.69	0.48	48.95	72.53
2200.00	1.57	42.34	2199.27	15.46	16.70	48.56	0.04	51.35	71.02
2300.00	1.61	43.36	2299.23	17.45	18.73	50.45	0.05	53.81	69.63
2400.00	1.58	38.01	2399.19	19.51	20.84	52.26	0.15	56.26	68.26
2500.00	1.66	34.29	2499.15	21.75	23.12	53.93	0.13	58.67	66.79
2600.00	1.59	29.47	2599.11	24.12	25.53	55.42	0.15	61.02	65.27
2700.00	1.34	29.05	2699.08	26.31	27.76	56.67	0.25	63.11	63.91
2800.00	1.28	17.34	2799.05	28.38	29.85	57.57	0.27	64.85	62.60
2900.00	1.14	19.11	2899.03	30.37	31.85	58.23	0.14	66.38	61.32
3000.00	1.08	6.35	2999.01	32.23	33.73	58.66	0.25	67.67	60.10
3100.00	1.00	358.86	3098.99	34.04	35.54	58.75	0.16	68.66	58.83
3200.00	0.98	1.30	3198.98	35.77	37.26	58.75	0.05	69.57	57.61
3300.00	0.83	347.38	3298.97	37.33	38.83	58.61	0.27	70.31	56.48
3400.00	0.80	336.12	3398.96	38.69	40.17	58.17	0.16	70.70	55.37
3500.00	0.79	334.60	3498.95	39.96	41.43	57.59	0.02	70.95	54.27
3600.00	0.78	334.89	3598.94	41.22	42.67	57.01	0.01	71.21	53.18
3700.00	0.61	329.49	3698.93	42.30	43.75	56.45	0.18	71.42	52.23
3800.00	0.66	313.05	3798.92	43.17	44.60	55.76	0.19	71.40	51.35
3900.00	0.90	311.57	3898.91	44.11	45.51	54.75	0.24	71.20	50.26
4000.00	0.71	310.02	3998.90	45.06	46.43	53.69	0.19	70.98	49.15
4100.00	0.60	315.47	4098.90	45.85	47.20	52.85	0.13	70.86	48.23
4200.00	0.40	301.06	4198.89	46.42	47.76	52.18	0.23	70.74	47.53
4300.00	0.24	293.57	4298.89	46.70	48.02	51.69	0.17	70.55	47.11
4400.00	0.27	285.39	4398.89	46.85	48.17	51.27	0.05	70.35	46.79
4500.00	0.17	335.32	4498.89	47.06	48.37	50.98	0.21	70.27	46.51
4600.00	0.30	65.52	4598.89	47.30	48.61	51.16	0.35	70.57	46.46
4700.00	0.67	64.65	4698.89	47.64	48.97	51.92	0.37	71.37	46.68
4800.00	1.34	86.87	4798.87	47.91	49.28	53.62	0.76	72.83	47.41



Scientific Drilling International

Survey Report

Company: YATES PETROLEUM
Field: Wildcat
Site: Chaves County, NM
Well: Frisbee "Bif" Fed Com #1
Wellpath: VH - Job #32K0406335

Date: 04/28/2006 Time: 13:38:11 Page: 2
Co-ordinate(NE) Reference: Site: Chaves County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,358.55Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

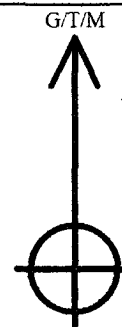
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.97	108.40	4898.85	47.66	49.08	55.59	0.56	74.16	48.56
4981.00	0.83	106.66	4979.84	47.24	48.69	56.80	0.18	74.82	49.40



**Scientific
Drilling**

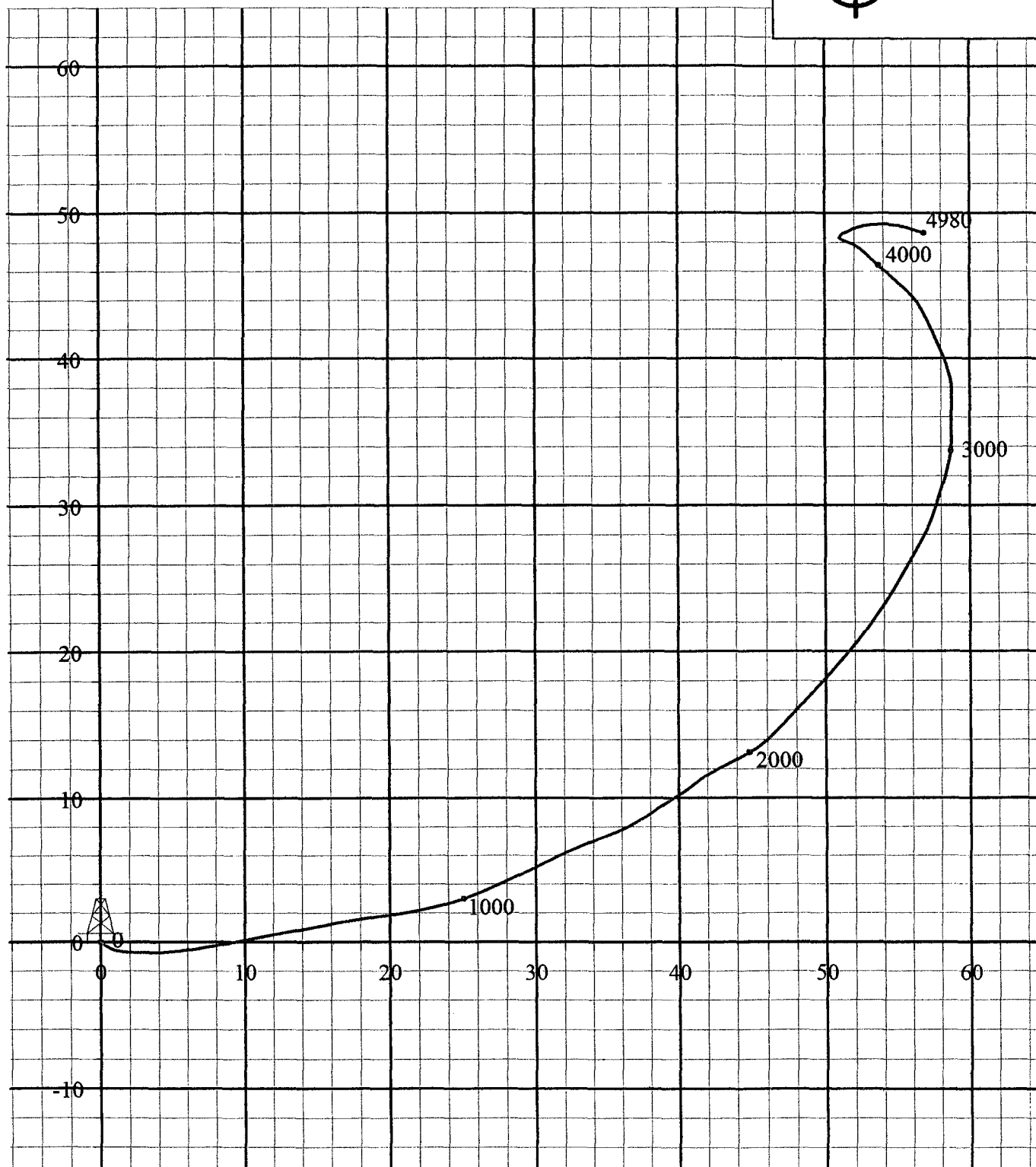
Field: Wildcat
Site: Chaves County, NM
Well: Frisbee "Bif" Fed Com #1
Wellpath: VH - Job #32K0406335
Survey: 04/27/06



G/T/M
Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 04/28/2006
Model: Wmm_95

South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]

Pathfinder Energy

Survey Report

Company: Yates Petroleum Corporation Field: Wildcat Site: Frisbee "Bif" Fed Com #1 Well: Frisbee "Bif" Fed Com #1 Wellpath: Original Hole				Date: 5/31/2006 Co-ordinate(NE) Reference: Well: Frisbee "Bif" Fed Com #1 Vertical (TVD) Reference: System: Mean Sea Level Section (VS) Reference: Well (0.00N,0.00E,358.55Azi) Survey Calculation Method: Minimum Curvature				Time: 11:55:38 Page: 1 Db: Sybase	
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Field: Wildcat 660'FSL 660'FEL Section 33; T13S; R27E			
Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level		Map Zone: New Mexico, Eastern Zone Coordinate System: Well Centre Geomagnetic Model: igrf2005	

Site: Frisbee "Bif" Fed Com #1 Chaves County, New Mexico 660'FSL 660' FEL Section 33; T13S; R27E			
Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3475.00 ft	Northing: 779047.90 ft Easting: 571552.00 ft	Latitude: 33 8 29.535 N Longitude: 104 14 4.649 W North Reference: Grid Grid Convergence: 0.05 deg	

Well: Frisbee "Bif" Fed Com #1 Horizontal				Slot Name:			
Well Position: +N/-S 0.00 ft +E/-W 0.00 ft Position Uncertainty: 0.00 ft	Northing: 779047.90 ft Easting: 571552.00 ft	Latitude: 33 8 29.535 N Longitude: 104 14 4.649 W					

Wellpath: Original Hole				Drilled From: Surface			
Current Datum: Mean Sea Level Magnetic Data: 4/25/2006 Field Strength: 49651 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: 8.57 deg Mag Dip Angle: 61.05 deg +E/-W ft Direction deg					
0.00	0.00	0.00	358.55				

Survey: Pathfinder MWD Survey Company: Pathfinder Energy Tool:		Start Date: 5/1/2006 Engineer: Tied-to: From: Gyro Survey	
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Survey: Pathfinder MWD 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
4981.00	0.83	106.66	4979.84	48.69	56.80	47.24	0.00	0.00	0.00	
5089.00	0.26	311.03	5087.84	48.63	57.37	47.16	0.99	-0.53	-144.10	
5183.00	0.44	338.45	5181.83	49.11	57.08	47.65	0.26	0.19	29.17	
5246.00	0.44	354.45	5244.83	49.57	56.96	48.11	0.19	0.00	25.40	
5277.00	1.67	339.95	5275.83	50.11	56.80	48.66	4.03	3.97	-46.77	
5308.00	4.13	337.66	5306.79	51.57	56.22	50.13	7.94	7.94	-7.39	
5339.00	7.21	337.75	5337.63	54.41	55.06	52.99	9.94	9.94	0.29	
5371.00	10.55	337.92	5369.24	58.98	53.19	57.61	10.44	10.44	0.53	
5403.00	13.81	337.75	5400.52	65.23	50.65	63.93	10.19	10.19	-0.53	
5433.00	17.15	338.28	5429.42	72.66	47.65	71.43	11.14	11.13	1.77	
5464.00	21.10	338.63	5458.71	82.10	43.93	80.96	12.75	12.74	1.13	
5496.00	25.24	338.89	5488.12	93.84	39.37	92.81	12.94	12.94	0.81	
5526.00	29.02	339.33	5514.82	106.62	34.49	105.71	12.62	12.60	1.47	
5557.00	33.15	340.56	5541.36	121.65	29.02	120.88	13.48	13.32	3.97	
5588.00	37.81	341.70	5566.60	138.67	23.21	138.04	15.18	15.03	3.68	
5620.00	42.03	342.05	5591.13	158.19	16.82	157.71	13.21	13.19	1.09	
5651.00	45.29	342.23	5613.56	178.55	10.26	178.24	10.52	10.52	0.58	
5682.00	48.36	342.41	5634.76	200.09	3.40	199.94	9.91	9.90	0.58	
5714.00	51.35	342.67	5655.39	223.42	-3.94	223.45	9.36	9.34	0.81	
5745.00	54.26	342.85	5674.13	247.01	-11.26	247.21	9.40	9.39	0.58	
5767.00	56.28	343.11	5686.66	264.29	-16.55	264.63	9.23	9.18	1.18	
5817.00	59.18	345.66	5713.36	305.00	-27.91	305.61	7.23	5.80	5.10	
5849.00	65.16	341.35	5728.30	332.11	-35.97	332.91	22.15	18.69	-13.47	
5881.00	71.23	339.07	5740.18	360.05	-46.03	361.09	20.09	18.97	-7.12	

Pathfinder Energy

Survey Report

Company: Yates Petroleum Corporation	Date: 5/31/2006	Time: 11:55:38	Page: 2
Field: Wildcat	Co-ordinate(NE) Reference:	Well: Frisbee "Bif" Fed Com #1	
Site: Frisbee "Bif" Fed Com #1	Vertical (TVD) Reference:	System: Mean Sea Level	
Well: Frisbee "Bif" Fed Com #1	Section (VS) Reference:	Well (0.00N,0.00E,358.55Azi)	
Wellpath: Original Hole	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: Pathfinder MWD 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
5912.00	76.15	338.28	5748.88	387.75	-56.85	389.07	16.06	15.87	-2.55	
5943.00	80.72	336.78	5755.10	415.81	-68.46	417.41	15.48	14.74	-4.84	
5975.00	86.00	334.76	5758.80	444.78	-81.50	446.70	17.65	16.50	-6.31	
6001.00	88.90	332.30	5759.95	468.03	-93.08	470.23	14.62	11.15	-9.46	
6033.00	91.45	331.16	5759.86	496.21	-108.23	498.79	8.73	7.97	-3.56	
6065.00	91.10	330.98	5759.14	524.21	-123.71	527.17	1.23	-1.09	-0.56	
6096.00	90.48	331.95	5758.72	551.44	-138.51	554.77	3.71	-2.00	3.13	
6128.00	90.75	332.48	5758.37	579.75	-153.43	583.44	1.86	0.84	1.66	
6158.00	91.01	334.32	5757.91	606.57	-166.86	610.59	6.19	0.87	6.13	
6222.00	90.48	335.46	5757.08	664.51	-194.02	669.21	1.96	-0.83	1.78	
6285.00	88.99	336.87	5757.37	722.13	-219.47	727.46	3.26	-2.37	2.24	
6348.00	88.37	338.63	5758.82	780.43	-243.32	786.33	2.96	-0.98	2.79	
6412.00	89.69	342.23	5759.91	840.71	-264.75	847.14	5.99	2.06	5.62	
6475.00	89.43	344.43	5760.39	901.06	-282.82	907.92	3.52	-0.41	3.49	
6538.00	89.60	346.71	5760.92	962.06	-298.52	969.31	3.63	0.27	3.62	
6604.00	89.43	348.91	5761.48	1026.57	-312.45	1034.14	3.34	-0.26	3.33	
6668.00	90.40	350.84	5761.58	1089.57	-323.70	1097.41	3.38	1.52	3.02	
6730.00	90.92	353.04	5760.86	1150.95	-332.40	1158.99	3.65	0.84	3.55	
6793.00	91.98	354.89	5759.27	1213.57	-339.02	1221.76	3.38	1.68	2.94	
6856.00	91.54	357.26	5757.33	1276.39	-343.33	1284.67	3.82	-0.70	3.76	
6919.00	91.54	359.81	5755.64	1339.34	-344.94	1347.64	4.05	0.00	4.05	
6980.00	92.77	1.48	5753.35	1400.29	-344.25	1408.56	3.40	2.02	2.74	
7044.00	92.24	3.85	5750.55	1464.16	-341.28	1472.32	3.79	-0.83	3.70	
7109.00	91.19	4.03	5748.60	1528.97	-336.81	1537.01	1.64	-1.62	0.28	
7173.00	91.71	4.38	5746.98	1592.78	-332.12	1600.67	0.98	0.81	0.55	
7235.00	91.28	4.29	5745.37	1654.58	-327.44	1662.34	0.71	-0.69	-0.15	
7298.00	91.89	4.73	5743.62	1717.36	-322.49	1724.97	1.19	0.97	0.70	
7361.00	91.98	4.82	5741.50	1780.11	-317.24	1787.57	0.20	0.14	0.14	
7425.00	91.80	5.35	5739.39	1843.82	-311.58	1851.12	0.87	-0.28	0.83	
7488.00	90.48	4.99	5738.13	1906.55	-305.90	1913.68	2.17	-2.10	-0.57	
7552.00	90.04	5.26	5737.84	1970.29	-300.18	1977.26	0.81	-0.69	0.42	
7615.00	91.01	4.82	5737.26	2033.05	-294.65	2039.85	1.69	1.54	-0.70	
7679.00	90.92	5.52	5736.19	2096.78	-288.88	2103.42	1.10	-0.14	1.09	
7741.00	89.60	5.08	5735.91	2158.51	-283.16	2164.98	2.24	-2.13	-0.71	
7803.00	90.22	5.17	5736.00	2220.26	-277.62	2226.58	1.01	1.00	0.15	
7866.00	90.57	6.05	5735.57	2282.96	-271.46	2289.10	1.50	0.56	1.40	
7930.00	88.46	6.40	5736.11	2346.57	-264.52	2352.52	3.34	-3.30	0.55	
7993.00	88.64	6.31	5737.70	2409.17	-257.55	2414.91	0.32	0.29	-0.14	
8056.00	88.64	6.05	5739.20	2471.78	-250.77	2477.34	0.41	0.00	-0.41	
8119.00	88.55	5.87	5740.74	2534.42	-244.23	2539.79	0.32	-0.14	-0.29	
8182.00	88.99	5.35	5742.10	2597.11	-238.07	2602.30	1.08	0.70	-0.83	
8245.00	88.99	5.26	5743.21	2659.83	-232.25	2664.85	0.14	0.00	-0.14	
8308.00	89.25	4.55	5744.17	2722.59	-226.86	2727.46	1.20	0.41	-1.13	
8372.00	89.87	4.64	5744.67	2786.38	-221.73	2791.10	0.98	0.97	0.14	
8435.00	90.13	4.20	5744.67	2849.19	-216.88	2853.77	0.81	0.41	-0.70	
8498.00	90.57	4.03	5744.28	2912.03	-212.36	2916.47	0.75	0.70	-0.27	
8561.00	89.43	4.64	5744.28	2974.85	-207.60	2979.15	2.05	-1.81	0.97	
8625.00	89.87	4.38	5744.67	3038.65	-202.56	3042.80	0.80	0.69	-0.41	
8690.00	90.48	3.94	5744.47	3103.48	-197.85	3107.49	1.16	0.94	-0.68	
8753.00	90.04	4.55	5744.19	3166.30	-193.19	3170.18	1.19	-0.70	0.97	
8816.00	89.96	4.91	5744.19	3229.09	-187.99	3232.81	0.59	-0.13	0.57	
8878.00	89.52	5.26	5744.47	3290.84	-182.50	3294.41	0.91	-0.71	0.56	
8941.00	89.60	5.17	5744.95	3353.58	-176.77	3356.98	0.19	0.13	-0.14	

Pathfinder Energy

Survey Report

Company: Yates Petroleum Corporation
 Field: Wildcat
 Site: Frisbee "Bif" Fed Com #1
 Well: Frisbee "Bif" Fed Com #1
 Wellpath: Original Hole

Date: 5/31/2006 Time: 11:55:38 Page: 3
 Co-ordinate(NE) Reference: Well: Frisbee "Bif" Fed Com #1
 Vertical (TVD) Reference: System: Mean Sea Level
 Section (VS) Reference: Well (0.00N,0.00E,358.55Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: Pathfinder MWD 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
9005.00	89.43	5.35	5745.49	3417.31	-170.90	3420.54	0.39	-0.27	0.28	
9068.00	89.52	5.35	5746.07	3480.03	-165.03	3483.09	0.14	0.14	0.00	
9131.00	89.60	5.26	5746.56	3542.76	-159.20	3545.65	0.19	0.13	-0.14	
9194.00	89.60	5.17	5747.00	3605.50	-153.48	3608.23	0.14	0.00	-0.14	
9257.00	89.96	5.61	5747.24	3668.22	-147.56	3670.78	0.90	0.57	0.70	
9317.00	90.57	5.61	5746.96	3727.93	-141.69	3730.32	1.02	1.02	0.00	
9380.00	91.19	5.96	5745.99	3790.60	-135.35	3792.81	1.13	0.98	0.56	
9444.00	90.92	6.05	5744.81	3854.24	-128.65	3856.26	0.44	-0.42	0.14	
9507.00	90.92	5.78	5743.80	3916.90	-122.16	3918.73	0.43	0.00	-0.43	
9550.00	90.92	5.78	5743.11	3959.67	-117.83	3961.39	0.00	0.00	0.00	

Yates Petroleum

Field: Wildcat
Site: Frisbee "Bif" Fed Com #1
Well: Frisbee "Bif" Fed Com #1
Wellpath: Original Hole
Survey: Final Plot

COMPANY DETAILS
Yates Petroleum Corporation
105 South 4th
Amarillo, NM 88210

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

BHL IS AN ASSUMPTION BASED ON SECTION A OF 5280'

WELL DETAILS

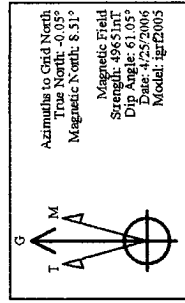
Name	+N-S	+E-W	Nothing	Easting	Latitude	Longitude	Slot
Frisbee "Bif" Fed Com #1	0.00	0.00	779047.90	571552.00	33°08'29.535N	104°14'04.649W	N/A

WELLPATH DETAILS

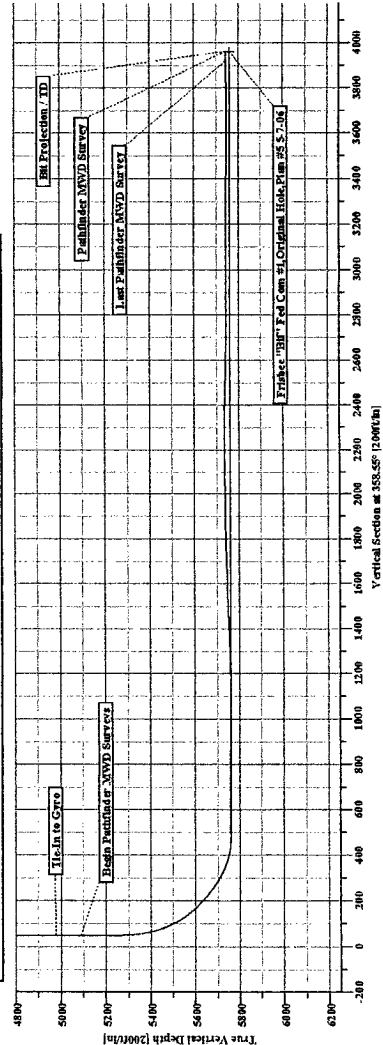
Original Hole	Mean Sea Level	0.00ft
Ref. Datum:		
V. Section Angle	Origin	Starting
358.55°	+N-S	From TVD
	0.00	0.00

SITE DETAILS

Frisbee "Bif" Fed Com #1
Chiswick, NM 88210
660' FSL 660' FSL Section 33; T13S, R27E
Site Centre Northing: 779047.90
Easting: 571552.00
Ground Level: 3475.00
Positional Uncertainty: 0.00
Convergence: 0.05



Survey: Pathfinder MWD Survey (Frisbee "Bif" Fed Com #1 / Original Hole)										
No	MD	Inc	Az	TVL	+N-S	+E-W	DLeg	TFace	VSec	
60	7866.00	90.57	6.05	5735.57	2282.96	-271.46	1.50	68.31	2289.10	
61	7930.00	88.46	6.40	5736.11	2346.57	-264.52	3.34	170.38	2352.52	
62	7993.00	88.64	6.31	5737.70	2409.17	-257.55	0.32	-26.56	2414.91	
63	8056.00	88.64	6.05	5739.20	2471.78	-250.77	0.41	-90.00	2477.34	
64	8119.00	88.55	5.87	5740.74	2534.42	-244.23	0.32	-116.57	2539.79	
65	8182.00	88.59	5.35	5742.10	2597.11	-238.07	1.08	-49.76	2602.30	
66	8245.00	88.99	5.26	5743.21	2659.83	-232.25	0.14	-90.00	2664.35	
67	8308.00	89.25	4.55	5744.17	2722.59	-226.86	1.20	-69.89	2727.46	
68	8372.00	89.87	4.64	5744.67	2786.38	-221.73	0.98	8.26	2791.10	
69	8435.00	90.13	4.20	5744.67	2850.19	-216.88	0.81	-59.42	2853.17	
70	8498.00	90.57	4.03	5744.28	2912.03	-212.36	0.75	-21.12	2916.47	
71	8561.00	89.43	4.64	5744.28	2974.85	-207.60	2.05	151.85	2979.15	
72	8625.00	89.87	4.38	5744.67	3038.65	-202.56	0.80	-30.38	3042.80	
73	8690.00	90.48	3.94	5744.47	3103.48	-197.85	1.16	-35.80	3107.49	
74	8753.00	90.04	4.55	5744.19	3166.30	-193.19	1.19	125.80	3170.18	
75	8816.00	89.96	4.91	5744.19	3229.09	-187.99	0.59	102.53	3232.81	
76	8878.00	89.52	5.26	5744.47	3290.84	-182.50	0.91	141.50	3294.41	
77	8941.00	89.60	5.17	5744.95	3353.58	-176.77	0.39	137.37	3298.58	
78	9004.00	89.52	5.35	5746.07	3416.32	-171.53	0.39	137.37	3302.74	
79	9067.00	89.60	5.26	5746.56	3479.06	-166.29	0.14	0.00	3306.90	
80	9131.00	89.60	5.26	5746.56	3542.76	-159.20	0.19	-48.37	3308.05	
81	9194.00	89.60	5.17	5747.00	3605.50	-153.48	0.14	-90.00	3308.23	
82	9257.00	89.96	5.61	5747.24	3668.22	-147.56	0.90	50.71	3307.78	
83	9320.00	90.57	5.61	5746.96	3730.93	-141.69	1.02	0.00	3307.32	
84	9383.00	91.19	5.96	5745.99	3793.64	-135.35	1.13	29.44	3306.86	
85	9446.00	90.52	6.05	5744.31	3856.35	-128.65	0.44	161.57	3306.36	
86	9509.00	90.92	5.78	5743.80	3919.06	-122.16	0.43	-90.00	3318.73	
87	9572.00	90.92	5.78	5743.11	3981.67	-117.83	0.00	180.00	3361.39	



LEGEND
Frisbee "Bif" Fed Com #1 Original Hole, Plan #5-7-96
Original Hole
Pathfinder MWD Survey