Form 3160-4
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM 93181 SL, NMNM 108963 BHL

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other

b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff.Resvr,. Other

6. If Indian, Allotee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: EOG Resources Inc.

8. Lease Name and Well No.: Yukon 18 Fed Com 1H

3. Address: P.O. Box 2267 Midland, Texas 79702

3a. Phone No. (include area code): 432 686 3689

9. API Well No.: 30-015-34203 S1

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

At surface: ~~560'~~ 660' FSL & 760' FWL U/L M

RECEIVED
DEC - 8 2005
OCD-ARTESIA

10. Field and Pool, or Exploratory: Undes Collins Ranch; Wolfcamp

At top prod. interval reported below

11. Sec., T., R., M., or Block and Survey or Area: 18-17S-25E

At total depth: 721' FNL & 810' FWL U/L D

12. County or Parish: Eddy

13. State: NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
8/4/05	8/31/05	☐ D & A ☒ Ready to Prod. 11/3/05	3671 GR

18. Total Depth: MD / TVD	19. Plug Back T.D.: MD / TVD	20. Depth Bridge Plug Set: MD / TVD
8810 / 5011		

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

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)	Stage Cementer Depth	No.of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4	8 5/8	32		910		1000 C		Surface	
7 7/8	5 1/2	17		8797		965 C		Surface	

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	4659							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Wolfcamp	5425		8074-8682	0.44	48	Producing
B)				7225-7802	0.44	48	
C)				6250-6912	0.44	48	
D)				5425-6002	0.44	48	

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

Depth Interval	Amount and Type of Material
8074-8682	Frac w/ 119 bbls 15% HCL, 48190 # 100 mesh & 60510 # 30/70 mesh sand
7225-7802	Frac w/ 120 bbls 15% HCL, 48790 # 100 mesh & 64195 # 30/70 mesh sand
6250-6912	Frac w/ 134 bbls 15% HCL, 95000 # 100 mesh & 63840 # 30/70 mesh sand
5425-6002	Frac w/ 163 bbls 15% HCL, 48000 # 100 mesh & 60000 # 30/70 mesh sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
11/3/05	11/16/05	24		0	616	31		.640	Flowing

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status
48/64		350						PGW

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status

ACCEPTED FOR RECORD
DEC - 6 2005
ALEXIS C. SWOBODA
PETROLEUM ENGINEER

(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	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	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	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	Descriptions, Contents, etc.	Name	Top Meas.Depth
				San Andres	600
				Glorieta	1968
				Upper Clearfork	2597
				Tubb	3289
				Lower Clearfork	3384

32. Additional remarks (include plugging procedure):

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

- [X] Electrical/Mechanical Logs (1 full set req'd)
- [ ] Geologic Report
- [ ] DST Report
- [X] Directional Survey
- [ ] Sundry Notice for plugging and cement verification
- [ ] Core Analysis
- [ ] Other

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)* Stan Wagner Title Regulatory Analyst

Signature Stan Wagner Date 11/21/05

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.

Scientific Drilling

E.O.G.

Field: Yukon
Site: Eddy County, NM
Well: Yukon 18 Fed #1H
Wellpath: VH - Job #32K0805594
Survey: 08/14/05

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

.....Company Representative

Notorized this date 15th of September, 2005.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas

NOTARY PUBLIC STATE OF TEXAS
DEBORAH SUE BYNUM
Notary Public, State of Texas
My Commission Expires
5/9/08

Scientific Drilling

Scientific Drilling International
Survey Report

Company:	E.O.G.	**Date:**	9/14/2005	**Time:** 22:14:00	**Page:** 1
Field:	Yukon	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Yukon 18 Fed #1H	**Section (VS) Reference:**	Well (0.00N,0.00E,297.75Azi)		
Wellpath:	VH - Job #32K0805594	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	08/14/05 KSRG 0'-4975'	**Start Date:**	8/14/2005
Company:	Scientific Drilling Internatic	**Engineer:**	Gonzales/Lilja w/Precision
Tool:	Keeper;Keeper Surface Readout 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	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.15	220.62	100.00	0.03	-0.10	-0.09	0.15	0.13	220.62
200.00	0.49	266.65	200.00	0.42	-0.22	-0.60	0.40	0.64	249.47
300.00	0.69	271.61	299.99	1.33	-0.23	-1.63	0.21	1.64	261.89
400.00	0.71	270.10	399.99	2.42	-0.21	-2.85	0.03	2.86	265.71
500.00	0.91	282.99	499.98	3.74	-0.03	-4.24	0.27	4.24	269.54
600.00	0.57	242.00	599.97	4.78	-0.09	-5.45	0.61	5.45	269.06
700.00	0.91	250.02	699.96	5.60	-0.59	-6.64	0.35	6.67	264.89
800.00	1.16	255.60	799.94	6.88	-1.12	-8.37	0.27	8.44	262.39
900.00	1.39	268.68	899.92	8.69	-1.40	-10.56	0.37	10.65	262.46
1000.00	1.39	269.19	999.89	10.82	-1.44	-12.98	0.01	13.06	263.66
1100.00	1.37	267.24	1099.86	12.91	-1.52	-15.39	0.05	15.47	264.37
1200.00	1.32	267.71	1199.83	14.94	-1.62	-17.74	0.05	17.81	264.78
1300.00	1.19	272.99	1299.81	16.88	-1.61	-19.92	0.17	19.99	265.37
1400.00	1.28	276.98	1399.79	18.87	-1.42	-22.07	0.12	22.12	266.31
1500.00	1.14	274.38	1499.76	20.83	-1.21	-24.17	0.15	24.20	267.13
1600.00	0.91	280.39	1599.75	22.50	-0.99	-25.94	0.25	25.96	267.81
1700.00	1.07	280.45	1699.73	24.15	-0.68	-27.64	0.16	27.65	268.59
1800.00	0.83	282.74	1799.72	25.74	-0.35	-29.27	0.24	29.27	269.32
1900.00	0.84	290.30	1899.71	27.16	0.06	-30.66	0.11	30.66	270.12
2000.00	0.90	297.76	1999.70	28.68	0.68	-32.04	0.13	32.05	271.22
2100.00	0.81	291.50	2099.68	30.16	1.31	-33.40	0.13	33.42	272.25
2200.00	0.90	294.95	2199.67	31.65	1.90	-34.77	0.10	34.82	273.13
2300.00	0.89	298.08	2299.66	33.21	2.60	-36.16	0.05	36.26	274.11
2400.00	0.84	298.26	2399.65	34.72	3.31	-37.49	0.05	37.64	275.04
2500.00	0.70	293.00	2499.64	36.06	3.89	-38.70	0.16	38.90	275.75
2600.00	0.67	295.42	2599.63	37.26	4.38	-39.79	0.04	40.03	276.29
2700.00	0.59	295.82	2699.63	38.36	4.86	-40.78	0.08	41.07	276.80
2800.00	0.47	297.55	2799.62	39.28	5.27	-41.61	0.12	41.94	277.22
2900.00	0.53	305.95	2899.62	40.15	5.73	-42.35	0.09	42.74	277.71
3000.00	0.41	301.12	2999.62	40.96	6.19	-43.03	0.13	43.47	278.19
3100.00	0.43	308.30	3099.61	41.69	6.61	-43.63	0.06	44.13	278.61
3200.00	0.50	310.52	3199.61	42.48	7.12	-44.26	0.07	44.83	279.15
3300.00	0.56	315.62	3299.61	43.37	7.76	-44.93	0.08	45.59	279.80
3400.00	0.53	308.39	3399.60	44.29	8.39	-45.63	0.07	46.40	280.42
3500.00	0.47	299.00	3499.60	45.16	8.88	-46.36	0.10	47.20	280.84
3600.00	0.47	309.76	3599.59	45.97	9.34	-47.03	0.09	47.95	281.23
3700.00	0.56	316.70	3699.59	46.83	9.96	-47.68	0.11	48.71	281.80
3800.00	0.41	323.69	3799.59	47.62	10.60	-48.23	0.16	49.38	282.40
3900.00	0.27	330.77	3899.58	48.14	11.10	-48.55	0.15	49.81	282.87
4000.00	0.25	13.93	3999.58	48.39	11.51	-48.62	0.19	49.96	283.32
4100.00	0.33	49.53	4099.58	48.33	11.91	-48.34	0.19	49.79	283.84
4200.00	0.53	85.58	4199.58	47.83	12.14	-47.66	0.33	49.19	284.28
4300.00	0.86	84.90	4299.57	46.81	12.24	-46.46	0.33	48.04	284.76
4400.00	1.13	82.27	4399.56	45.38	12.44	-44.73	0.27	46.43	285.54
4500.00	1.42	83.23	4499.53	43.55	12.72	-42.52	0.29	44.38	286.65
4600.00	1.64	82.92	4599.50	41.36	13.04	-39.87	0.22	41.95	288.11
4700.00	1.62	76.85	4699.46	39.12	13.54	-37.08	0.17	39.47	290.06
4800.00	1.65	70.78	4799.42	37.06	14.33	-34.34	0.18	37.21	292.65

Scientific Drilling

Scientific Drilling International
Survey Report

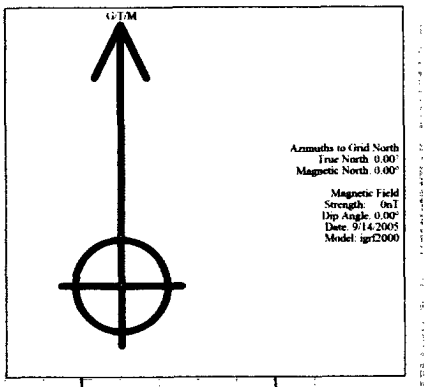
Company:	E.O.G.	**Date:**	9/14/2005	**Time:** 22:14:00	**Page:** 2
Field:	Yukon	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Yukon 18 Fed #1H	**Section (VS) Reference:**	Well (0.00N,0.00E,297.75Azi)		
Wellpath:	VH - Job #32K0805594	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

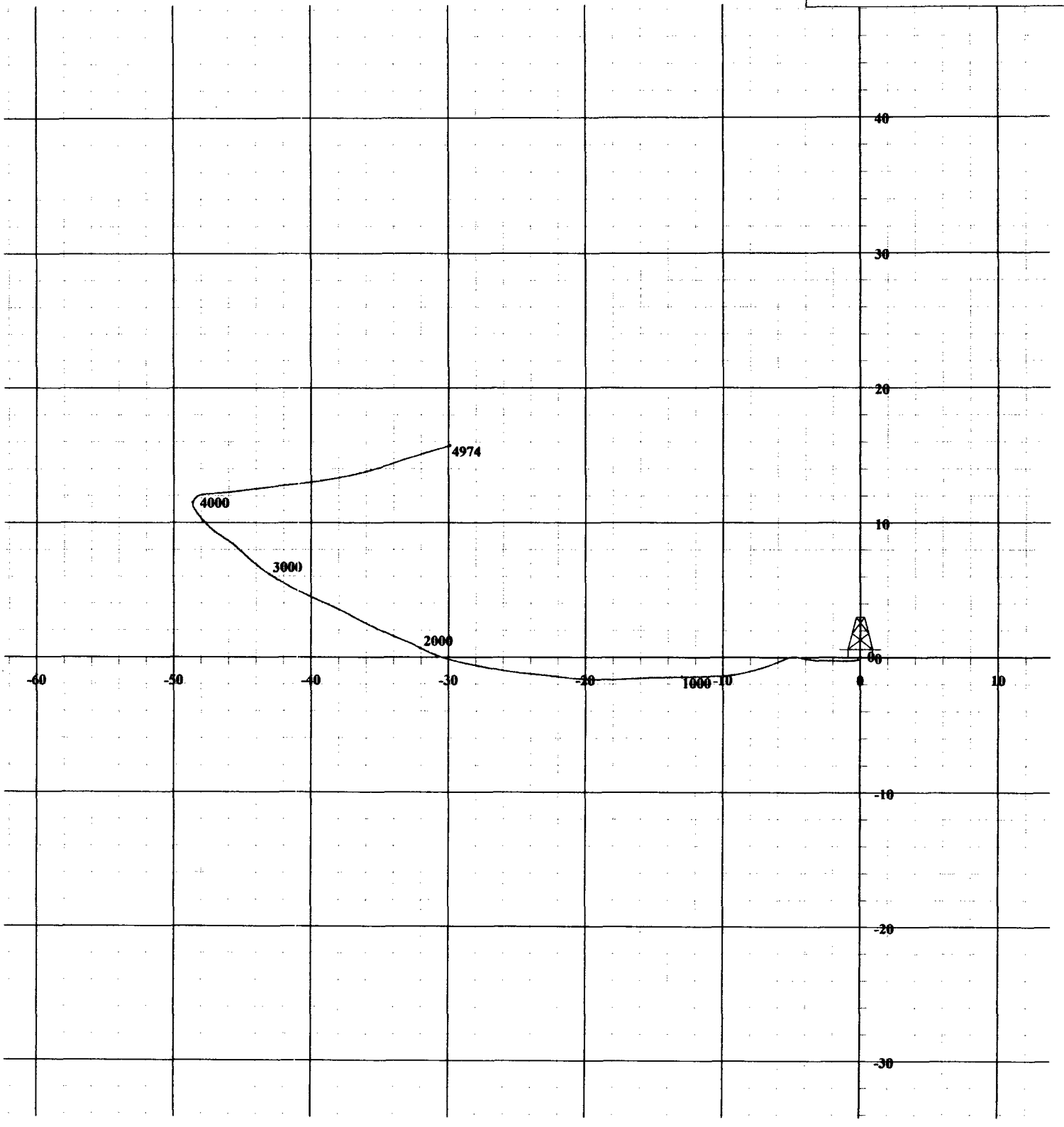
Survey

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	1.47	73.64	4899.38	35.16	15.17	-31.75	0.20	35.19	295.53
4975.00	1.48	72.16	4974.35	33.79	15.74	-29.91	0.05	33.79	297.75

Scientific Drilling

Field: Yukon
Site: Eddy County, NM
Well: Yukon 18 Fed #1H
Wellpath: VH - Job #32K0805594
Survey: 08/14/05





PATHFINDER ENERGY SERVICES

PathFinder
Survey Report

eog resources

Company:	EOG Resources	**Date:** 8/31/2005	**Time:** 15:36:56	**Page:**	1
Field:	Yukon	**Co-ordinate(NE) Reference:**	Well: Yukon "18" Fed Com #1H, Grid North		
Site:	Section 18, T17-S, R25-E N.M.P.M	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Yukon "18" Fed Com #1H	**Section (VS) Reference:**	Well (0.00N,0.00E,359.96Azi)		
Wellpath:	Gyro	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Field: Yukon
Eddy County, New Mexico

Map System:	US State Plane Coordinate System 1927	**Map Zone:**	New Mexico, Eastern Zone
Geo Datum:	NAD27 (Clarke 1866)	**Coordinate System:**	Well Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	igrf2005

Site: Section 18, T17-S, R25-E N.M.P.M

Eddy County, New Mexico

Site Position:		**Northing:**	665772.00 ft	**Latitude:**	32	49	48.499 N
From:	Map	**Easting:**	439454.00 ft	**Longitude:**	104	31	49.594 W
Position Uncertainty:	0.00 ft			**North Reference:**			Grid
Ground Level:	3671.00 ft			**Grid Convergence:**			-0.11 deg

Well: Yukon "18" Fed Com #1H **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:**	665772.00 ft	**Latitude:**	32	49	48.499 N
	+E/-W	0.00 ft	**Easting :**	439454.00 ft	**Longitude:**	104	31	49.594 W
Position Uncertainty:		0.00 ft						

Wellpath: Gyro

				Drilled From:	Surface
				Tie-on Depth:	0.00 ft
Current Datum:	SITE	**Height**	0.00 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data:	8/15/2005			**Declination:**	8.75 deg
Field Strength:	49495 nT			**Mag Dip Angle:**	60.72 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
0.00	0.00	0.00	359.96

Survey: PathFinder MWD Surveys **Start Date:** 8/22/2005

Company:	PathFinder Energy Services	**Engineer:**	Ron McIntyre
Tool:		**Tied-to:**	From: Definitive Path

Survey: PathFinder MWD Surveys

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
4600.00	1.64	82.92	4599.50	13.04	-39.87	13.07	0.00	0.00	0.00	Tie-In to Gyro
4646.00	1.93	56.85	4645.48	13.54	-38.57	13.57	1.85	0.63	-56.67	Begin PathFinder MWD Sur
4678.00	3.87	23.63	4677.43	14.83	-37.69	14.86	7.78	6.06	-103.81	
4709.00	7.21	19.41	4708.29	17.62	-36.62	17.65	10.85	10.77	-13.61	
4741.00	11.17	22.31	4739.87	22.39	-34.78	22.41	12.46	12.37	9.06	
4772.00	15.21	24.68	4770.04	28.86	-31.94	28.89	13.15	13.03	7.65	
4804.00	19.79	26.53	4800.56	37.53	-27.76	37.55	14.42	14.31	5.78	
4836.00	24.01	27.84	4830.24	48.13	-22.30	48.15	13.27	13.19	4.09	
4868.00	27.79	27.49	4859.02	60.51	-15.81	60.53	11.82	11.81	-1.09	
4899.00	32.01	27.23	4885.89	74.24	-8.72	74.24	13.62	13.61	-0.84	
4931.00	36.58	25.47	4912.32	90.39	-0.73	90.40	14.61	14.28	-5.50	
4963.00	41.50	24.24	4937.17	108.68	7.73	108.68	15.56	15.37	-3.84	
4995.00	46.17	21.43	4960.24	129.11	16.30	129.09	15.81	14.59	-8.78	
5027.00	50.21	18.09	4981.58	151.55	24.34	151.53	14.83	12.62	-10.44	
5058.00	53.73	14.22	5000.68	175.00	31.11	174.97	15.02	11.35	-12.48	
5089.00	56.45	9.83	5018.42	199.85	36.39	199.83	14.55	8.77	-14.16	
5121.00	58.74	5.08	5035.58	226.63	39.88	226.60	14.43	7.16	-14.84	
5150.00	61.38	1.13	5050.05	251.71	41.23	251.68	14.90	9.10	-13.62	
5181.00	66.04	359.46	5063.78	279.50	41.37	279.47	15.79	15.03	-5.39	
5213.00	70.87	359.02	5075.53	309.25	40.97	309.22	15.15	15.09	-1.37	
5245.00	75.89	358.58	5084.68	339.90	40.33	339.87	15.74	15.69	-1.37	
5277.00	77.03	358.40	5092.17	371.00	39.51	370.97	3.60	3.56	-0.56	
5290.00	77.56	358.49	5095.03	383.67	39.16	383.64	4.13	4.08	0.69	
5322.00	80.72	358.05	5101.06	415.08	38.21	415.05	9.97	9.87	-1.37	

PATHFINDER ENERGY SERVICES

PathFinder
Survey Report

eog resources

Company:	EOG Resources	**Date:** 8/31/2005 **Time:** 15:36:56 **Page:** 2	
Field:	Yukon	**Co-ordinate(NE) Reference:**	Well: Yukon "18" Fed Com #1H, Grid North
Site:	Section 18, T17-S, R25-E N.M.P.M	**Vertical (TVD) Reference:**	SITE 0.0
Well:	Yukon "18" Fed Com #1H	**Section (VS) Reference:**	Well (0.00N,0.00E,359.96Azi)
Wellpath:	Gyro	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Survey: PathFinder MWD Surveys

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
5354.00	84.59	358.05	5105.15	446.79	37.13	446.77	12.09	12.09	0.00	
5385.00	88.46	358.31	5107.03	477.72	36.15	477.69	12.51	12.48	0.84	
5416.00	90.31	358.49	5107.36	508.70	35.28	508.67	6.00	5.97	0.58	
5480.00	90.48	358.75	5106.92	572.68	33.74	572.66	0.49	0.27	0.41	
5544.00	90.57	358.75	5106.33	636.66	32.35	636.64	0.14	0.14	0.00	
5606.00	90.57	358.84	5105.72	698.65	31.04	698.62	0.15	0.00	0.15	
5667.00	90.66	359.02	5105.06	759.63	29.90	759.61	0.33	0.15	0.30	
5729.00	90.22	359.28	5104.58	821.62	28.98	821.60	0.82	-0.71	0.42	
5793.00	91.19	359.46	5103.80	885.61	28.28	885.59	1.54	1.52	0.28	
5857.00	90.57	359.63	5102.81	949.60	27.77	949.58	1.00	-0.97	0.27	
5920.00	91.28	359.63	5101.80	1012.59	27.37	1012.57	1.13	1.13	0.00	
5984.00	91.54	359.63	5100.22	1076.57	26.95	1076.55	0.41	0.41	0.00	
6047.00	91.98	359.89	5098.29	1139.54	26.69	1139.52	0.81	0.70	0.41	
6110.00	92.51	0.07	5095.82	1202.49	26.67	1202.47	0.89	0.84	0.29	
6174.00	92.77	359.54	5092.87	1266.43	26.45	1266.40	0.92	0.41	-0.83	
6238.00	91.01	359.54	5090.76	1330.39	25.94	1330.37	2.75	-2.75	0.00	
6302.00	90.66	359.19	5089.83	1394.37	25.23	1394.36	0.77	-0.55	-0.55	
6366.00	92.24	359.19	5088.21	1458.35	24.32	1458.33	2.47	2.47	0.00	
6398.00	92.68	359.37	5086.84	1490.31	23.92	1490.30	1.49	1.37	0.56	
6429.00	91.01	359.02	5085.84	1521.29	23.49	1521.28	5.50	-5.39	-1.13	
6461.00	90.66	359.37	5085.37	1553.29	23.04	1553.27	1.55	-1.09	1.09	
6493.00	90.75	359.19	5084.98	1585.28	22.63	1585.26	0.63	0.28	-0.56	
6524.00	90.84	359.37	5084.55	1616.28	22.24	1616.26	0.65	0.29	0.58	
6556.00	90.92	359.28	5084.06	1648.27	21.87	1648.25	0.38	0.25	-0.28	
6620.00	91.10	359.46	5082.93	1712.26	21.16	1712.24	0.40	0.28	0.28	
6683.00	91.10	358.84	5081.72	1775.24	20.23	1775.22	0.98	0.00	-0.98	
6746.00	91.10	358.67	5080.51	1838.21	18.86	1838.20	0.27	0.00	-0.27	
6810.00	91.10	358.67	5079.28	1902.18	17.38	1902.17	0.00	0.00	0.00	
6874.00	91.01	358.75	5078.10	1966.16	15.94	1966.14	0.19	-0.14	0.12	
6937.00	91.28	359.54	5076.84	2029.14	15.00	2029.12	1.32	0.43	1.25	
7000.00	91.98	359.46	5075.05	2092.11	14.45	2092.10	1.12	1.11	-0.13	
7064.00	92.42	359.54	5072.59	2156.06	13.89	2156.05	0.70	0.69	0.12	
7127.00	92.95	359.72	5069.64	2218.99	13.48	2218.98	0.89	0.84	0.29	
7191.00	93.56	359.63	5066.01	2282.88	13.12	2282.87	0.96	0.95	-0.14	
7254.00	93.74	359.81	5062.00	2345.75	12.81	2345.74	0.40	0.29	0.29	
7316.00	92.68	359.81	5058.53	2407.65	12.61	2407.64	1.71	-1.71	0.00	
7379.00	92.77	359.89	5055.53	2470.58	12.44	2470.57	0.19	0.14	0.13	
7442.00	93.47	359.89	5052.10	2533.49	12.32	2533.48	1.11	1.11	0.00	
7504.00	94.26	359.89	5047.92	2595.35	12.20	2595.34	1.27	1.27	0.00	
7567.00	92.77	0.60	5044.06	2658.23	12.47	2658.22	2.62	-2.37	1.13	
7629.00	90.92	1.48	5042.06	2720.18	13.60	2720.17	3.30	-2.98	1.42	
7692.00	91.54	1.57	5040.71	2783.14	15.27	2783.13	0.99	0.98	0.14	
7755.00	91.98	1.65	5038.78	2846.09	17.04	2846.08	0.71	0.70	0.13	
7817.00	91.98	1.74	5036.63	2908.02	18.87	2908.01	0.15	0.00	0.15	
7880.00	92.59	2.18	5034.12	2970.94	21.03	2970.92	1.19	0.97	0.70	
7943.00	91.63	2.27	5031.80	3033.85	23.47	3033.83	1.53	-1.52	0.14	
8005.00	91.89	2.01	5029.90	3095.77	25.79	3095.75	0.59	0.42	-0.42	
8067.00	92.15	1.83	5027.71	3157.70	27.86	3157.68	0.51	0.42	-0.29	
8130.00	89.52	1.21	5026.80	3220.67	29.53	3220.64	4.29	-4.17	-0.98	
8193.00	89.52	1.57	5027.32	3283.64	31.06	3283.62	0.57	0.00	0.57	
8255.00	90.48	1.30	5027.32	3345.62	32.61	3345.60	1.61	1.55	-0.44	
8318.00	91.01	0.60	5026.50	3408.61	33.66	3408.58	1.39	0.84	-1.11	
8381.00	90.92	357.48	5025.44	3471.58	32.60	3471.56	4.95	-0.14	-4.95	

PATHFINDER ENERGY SERVICES

PathFinder
Survey Report

eog resources

Company:	EOG Resources	**Date:**	8/31/2005	**Time:**	15:36:56 **Page:** 3
Field:	Yukon	**Co-ordinate(NE) Reference:**	Well: Yukon "18" Fed Com #1H, Grid North		
Site:	Section 18, T17-S, R25-E N.M.P.M	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Yukon "18" Fed Com #1H	**Section (VS) Reference:**	Well (0.00N,0.00E,359.96Azi)		
Wellpath:	Gyro	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey: PathFinder MWD Surveys

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
8443.00	91.54	3.01	5024.11	3533.55	32.87	3533.52	8.97	1.00	8.92	
8505.00	91.63	4.39	5022.40	3595.39	36.87	3595.36	2.23	0.15	2.23	
8567.00	92.40	2.63	5020.22	3657.23	40.66	3657.20	3.10	1.24	-2.84	
8630.00	92.01	3.67	5017.79	3720.09	44.12	3720.06	1.76	-0.62	1.65	
8693.00	92.90	3.99	5015.09	3782.89	48.32	3782.85	1.50	1.41	0.51	
8755.00	91.63	0.15	5012.64	3844.79	50.56	3844.75	6.52	-2.05	-6.19	Last PathFinder MWD Surve
8810.00	91.63	0.15	5011.08	3899.77	50.70	3899.73	0.00	0.00	0.00	Straight-Line Bit Project

Annotation

MD ft	TVD ft	
4600.00	4599.50	Tie-In to Gyro
4646.00	4645.48	Begin PathFinder MWD Surveys
8755.00	5012.64	Last PathFinder MWD Survey
8810.00	5011.08	Straight-Line Bit Projection

eog resources

PATHFINDER ENERGY SERVICES

Yukon "18" Fed Com #1H
Section 18, T17-S, R 25-E, N.M.P.M.
Eddy County, New Mexico
Final Plot

COMPANY DETAILS

EOG Resources
4000 N. Big Spring, Ste. 500
Midland, TX 79705

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

LEGEND

Yukon 18 Fed Com #1H Proposed Plan
Section 18, T17-S, R25-E N.M.P.M, Yukon "18" Fed Com #1H, Gyro
PathFinder MWD Surveys

WELLPATH DETAILS

Gyro

Rig: JW #3
Ref. Datum: SITE 0.00ft

V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
359.96°	0.00	0.00	0.00

SITE DETAILS

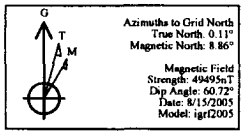
Section 18, T17-S, R25-E N.M.P.M
Eddy County, New Mexico

Site Centre Northing: 665772.00
Easting: 439454.00

Ground Level: 3671.00
Positional Uncertainty: 0.00
Convergence: -0.11

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Yukon "18" Fed Com #1H	0.00	0.00	665772.00	439454.00	32°49'48.499N	104°31'49.594W	N/A



Azimuths to Grid North
True North: 0.11°
Magnetic North: 8.86°

Magnetic Field
Strength: 49495nT
Dip Angle: 60.72°
Date: 8/15/2005
Model: igrf2005