

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

AUG 07 2007
OCD-ARTESIA

Lease Serial No
MM 108950

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

Indian, Allottee or Tribe Name

7 Unit or CA Agreement Name and No

2 Name of Operator

EOG Resources Inc.

8 Lease Name and Well No

Colorado A 22 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.

30-015-34710

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

At surface **905' FNL & 506' FEL, U/L A**

10 Field and Pool, or Exploratory

Cottonwood Creek; WC, West

At top prod interval reported below

CONFIDENTIAL

At total depth **896' FNL & 690' FWL, U/L D**

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

Sec 22, T16S, R24E

12 County or Parish

Eddy

13 State

NM

14 Date Spudded

6/17/07

15 Date T D Reached

6/26/07

16. Date Completed

☐ D & A

☒ Ready to Prod

7/11/07

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

3625' GL

18 Total Depth MD

8345

TVD

4450

19 Plug Back T D: MD

TVD

20 Depth Bridge Plug Set MD

TVD

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 Cement Depth	No of Sks & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
12 1/4	8 5/8	32		939		1045 C		Surface	
7 7/8	5 1/2	17		8319		1275 POZ		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)

25 Producing Intervals

26 Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf. Status
A) Wolfcamp	4530		5515' - 8215'	0.42	128	Producing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5515' - 8215'	Frac w/ 324 bbls 15% HCL acid, 1908 bbls XL gel, 204962 lbs 100 Mesh sd, 323317 lbs 30/50 Brown sd, 139373 lbs 20/40 White sd, 23088 bbls load water.

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

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 SI	Csg Press	24 Hr	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

ACCEPTED FOR RECORD

AUG 5 2007

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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 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 Corr API	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	330'
				Glorieta	1616'
				Clear Fork	2280'
				Tubb	2950'
				Abo	3612'
				Wolfcamp	4530'

32. Additional remarks (include plugging procedure):

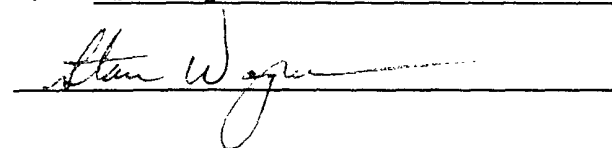
33. Indicate which items have been attached by placing a check in the appropriate boxes:

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

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 WagnerTitle Regulatory Analyst

Signature


Date 7/19/07

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

Colorado A 22 Fed #1H Gyro.txt
 «ii»
 ° S C I E N T I F I C D R I L L I N G C O N T R O L S °
 Èii¼

KEEPER GYRO SURVEY
 Directional Survey Report

for
 UAAA¿
 3 3
 3 3
 AAAU

Well Number : COLORADO A 22 FED. #1-H
 Well Location : EDDY COUNTY, NEW MEXICO
 Job Number : 32K0607525
 Location Latitude : 32.913
 Survey Date : 21-JUN-2007
 S.D.C. Personnel : TL REHDEERS
 Length Units : Feet
 North Reference : GRID North
 Grid Correction : 0.13 Degrees
 Survey Depth Zero : RKB
 Proposal Direction : 271.83
 Calculation Method : Minimum Curvature

Remarks : The INRUN Survey will be called definitive

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 ° S C I E N T I F I C D R I L L I N G C O N T R O L S °
 Èii¼

Inrun Survey
 for

Page 1

Well No.: COLORADO A 22 FED. #1- Date : 21-JUN-2007
 Job No. : 32K0607525 GRID Proposal : 271.83
 Depth T.V.D. V.S. Inc Azimuth Latitude Departure D-leg
 (Feet) (Feet) (Feet) Deg. Deg. (Feet) (Feet) /100
 iii
 0.00 0.00 0.00 0.00 0.13 0.00 0.00 0.00
 100.00 100.00 0.03 0.20 192.38 -0.17 -0.04 0.20
 200.00 200.00 0.20 0.17 290.71 -0.29 -0.21 0.28
 300.00 300.00 0.47 0.22 320.01 -0.09 -0.48 0.11
 400.00 400.00 0.70 0.21 328.66 0.21 -0.69 0.03
 500.00 500.00 0.52 0.40 55.62 0.57 -0.50 0.44
 600.00 599.99 -0.11 0.43 69.48 0.90 0.14 0.10
 700.00 699.99 -0.55 0.20 36.02 1.17 0.59 0.29
 800.00 799.99 0.03 0.78 275.10 1.37 0.02 0.90
 900.00 899.97 1.78 1.23 276.95 1.56 -1.73 0.45
 1000.00 999.95 3.80 1.10 268.98 1.67 -3.75 0.21
 1100.00 1099.93 5.72 1.10 272.09 1.69 -5.67 0.06
 1200.00 1199.91 7.68 1.14 274.32 1.80 -7.62 0.06
 1300.00 1299.90 9.60 1.07 269.14 1.86 -9.55 0.12

Pathfinder Energy

Survey Report

Company: EOG Resources Field: Thames Field Site: Colorado A 22 Fed #1H Well: Colorado A 22 Fed #1H Wellpath: OH		Date: 7/2/2007 Time: 11 27 00 Page: 1 Co-ordinate(NE) Reference: Well Colorado A 22 Fed #1H, Grid North Vertical (TVD) Reference: SITE 3644.0 Section (VS) Reference: Well (0 00N,0 00E,271 83Azi) Survey Calculation Method: Minimum Curvature Db: Sybase								
Field: Thames Field Eddy, Co NM USA 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: Colorado A 22 Fed #1H										
Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3625.00 ft		Northing: 695900 10 ft Latitude: 32 54 46.385 N Easting: 427620 70 ft Longitude: 104 34 9.067 W North Reference: Grid Grid Convergence: -0 13 deg								
Well: Colorado A 22 Fed #1H		Slot Name:								
Well Position: +N/-S 0.00 ft Northing: 695900.10 ft Latitude: 32 54 46 385 N +E/-W 0.00 ft Easting: 427620 70 ft Longitude: 104 34 9 067 W		Position Uncertainty: 0 00 ft								
Wellpath: OH		Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.56 deg Mag Dip Angle: 60 75 deg								
Current Datum: SITE Height: 3644.00 ft Magnetic Data: 6/14/2007 Field Strength: 49363 nT Vertical Section: Depth From (TVD) ft +N/-S ft +E/-W ft Direction deg		0 00 0 00 0 00 271.83								
Survey: Pathfinder MWD		Start Date: 6/25/2007								
Company: Pathfinder Energy Tool:		Engineer: Tied-to: From: Definitive Path								
Survey: Pathfinder MWD										
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
4000 00	0.74	47.12	3999.65	11.61	-34.80	35.16	0.00	0.00	0.00	Tie-in to Gyro Survey
4045.00	5.54	280.54	4044.58	12.21	-36.73	37 10	13.36	10.67	-281.29	KOP @ 4055' MD/TVD, Begin
4055.00	6.74	278.51	4054.53	12.38	-37.78	38 16	12 23	12 04	-20.27	
4077 00	9.41	275.88	4076.31	12.76	-40.85	41.24	12 23	12.12	-11.97	
4109 00	13.37	275.88	4107.67	13.40	-47.14	47 54	12 37	12.37	0.00	
4140 00	17.24	277.37	4137.56	14.36	-55.26	55.69	12.55	12.48	4.81	
4172 00	21.37	277.99	4167.76	15.78	-65.74	66.21	12.92	12.91	1.94	
4204 00	25.32	276.99	4197.13	17.42	-78.31	78 83	12.41	12.34	-3.12	
4236.00	28.93	274.56	4225.61	18.87	-92.82	93 38	11.80	11.28	-7.59	
4268.00	31.48	271.04	4253.26	19.64	-108.90	109.47	9.70	7.97	-11.00	
4299.00	34.38	271.63	4279.28	20.04	-125.74	126.32	9.41	9.35	1.90	
4331.00	37.55	272.73	4305.18	20.76	-144.52	145.11	10.11	9.91	3.44	
4363.00	41.06	273.66	4329.94	21.89	-164.75	165.37	11.12	10.97	2.91	
4395 00	44.76	272.93	4353.37	23.14	-186.50	187.14	11.67	11.56	-2.28	
4427 00	47.92	272.52	4375.46	24.24	-209.62	210.29	9.92	9.87	-1.28	
4459 00	50.74	271.21	4396.31	25.02	-233.88	234.56	9.34	8.81	-4.09	
4491 00	53.99	270.32	4415.85	25.36	-259.21	259.89	10.39	10.16	-2.78	
4522 00	57.16	268.04	4433.37	24.98	-284.77	285.43	11.89	10.23	-7.35	
4554 00	60.41	265.71	4449.96	23.48	-312.09	312.68	11.91	10.16	-7.28	
4559 20	61.05	265.53	4452.50	23.13	-316.62	317.20	12.74	12.36	-3.54	PBHL
4586 00	64.37	264.61	4464.79	21.08	-340.34	340.84	12.74	12.38	-3.42	
4618.00	67.09	264.39	4477.94	18.29	-369.38	369.77	8.52	8.50	-0.69	
4650.00	69.73	265.07	4489.71	15.56	-399.00	399.30	8.48	8.25	2.12	
4682 00	72.37	266.30	4500.10	13.28	-429.18	429.39	9.02	8.25	3.84	

Pathfinder Energy

Survey Report

Company: EOG Resources	Date: 7/2/2007	Time: 11:27:00	Page: 2
Field: Thames Field	Co-ordinate(NE) Reference: Well: Colorado A 22 Fed #1H, Grid North		
Site: Colorado A 22 Fed #1H	Vertical (TVD) Reference: SITE 3644.0		
Well: Colorado A 22 Fed #1H	Section (VS) Reference: Well (0 00N,0.00E,271.83Azi)		
Wellpath: OH	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: Pathfinder MWD

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
4713.00	74 13	268.40	4509.04	11 91	-458.83	458.98	8.62	5.68	6.77	
4745.00	75 36	270.58	4517.46	11.64	-489.70	489.82	7.61	3.84	6.81	
4777.00	76 94	270.96	4525.12	12 06	-520.76	520.88	5.07	4.94	1.19	
4809.00	78 44	271.87	4531.94	12 83	-552.02	552.15	5.45	4.69	2.84	
4819.59	79 22	271.85	4533.99	13 17	-562.40	562.54	7.41	7.41	-0.19	EOC @ 4820' MD, 4543' TVD
4841.00	80 81	271.81	4537.70	13.84	-583.48	583.62	7.41	7.41	-0.19	
4873.00	84.15	270.59	4541.89	14.50	-615.19	615.34	11.10	10.44	-3.81	
4968.00	93.03	268.89	4544.23	14.07	-710.06	710.15	9.52	9.35	-1.79	
5064.00	92.33	269.07	4539.74	12.36	-805.94	805.92	0.75	-0.73	0.19	
5159.00	92.42	269.43	4535.80	11.12	-900.85	900.75	0.39	0.09	0.38	
5255.00	91 36	269.59	4532.63	10 30	-996.79	996.61	1.12	-1.10	0.17	
5351.00	91 10	269.08	4530.57	9.18	-1092.76	1092.50	0.60	-0.27	-0.53	
5446.00	90 40	269.22	4529.33	7.78	-1187.74	1187.39	0.75	-0.74	0.15	
5541.00	91 45	269.09	4527.80	6.37	-1282.72	1282.27	1.11	1.11	-0.14	
5636.00	91.63	268.59	4525.24	4.45	-1377.67	1377.11	0.56	0.19	-0.53	
5732.00	91 19	267.52	4522.88	1.20	-1473.58	1472.87	1.20	-0.46	-1.11	
5819.59	89.97	266.82	4521.99	-3 13	-1561.06	1560.16	1.60	-1.39	-0.80	EOH @ 5820' MD, Begin Bui
5827.00	89.87	266.76	4522.00	-3 54	-1568.46	1567.54	1.60	-1.39	-0.80	
5886.33	91.68	266.95	4521.20	-6.80	-1627.69	1626.64	3.07	3.05	0.32	EOB @ 5886' MD, 92° INC
5922.00	92.77	267.06	4519.81	-8 66	-1663.28	1662.16	3.07	3.05	0.32	
6018.00	90.31	267.84	4517.23	-12.93	-1759.14	1757.83	2.69	-2.56	0.81	
6114.00	91 45	269.49	4515.76	-15.17	-1855.10	1853.67	2.09	1.19	1.72	
6209.00	93.39	271.91	4511.75	-14.01	-1950.00	1948.56	3.26	2.04	2.55	
6305.00	92.62	271.97	4506.71	-10 77	-2045.81	2044.42	0.80	-0.80	0.06	
6400.00	92.86	272.59	4502.17	-6 99	-2140.63	2139.31	0.70	0.25	0.65	
6497.00	91.80	271.89	4498.23	-3 20	-2237.47	2236.23	1.31	-1.09	-0.72	
6592.00	91.80	270.54	4495.25	-1.19	-2332.40	2331.17	1.42	0.00	-1.42	
6688.00	91.89	269.95	4492.15	-0.78	-2428.35	2427.09	0.62	0.09	-0.61	
6784.00	92.07	270.13	4488.84	-0.71	-2524.29	2522.98	0.27	0.19	0.19	
6880.00	91.10	269.70	4486.18	-0.85	-2620.25	2618.89	1.11	-1.01	-0.45	
6976.00	91.19	269.20	4484.26	-1.78	-2716.23	2714.79	0.53	0.09	-0.52	
7073.00	92.33	269.79	4481.28	-2.63	-2813.18	2811.66	1.32	1.18	0.61	
7169.00	91.98	269.78	4477.68	-2 99	-2909.11	2907.53	0.36	-0.36	-0.01	
7264.00	91.89	269.96	4474.47	-3 21	-3004.05	3002.42	0.21	-0.09	0.19	
7360.00	91.45	269.47	4471.67	-3 68	-3100.01	3098.31	0.69	-0.46	-0.51	
7456.00	89.69	268.64	4470.71	-5.27	-3195.99	3194.19	2.03	-1.83	-0.86	
7553.00	92.68	272.29	4468.71	-4.48	-3292.94	3291.12	4.86	3.08	3.76	
7648.00	91 10	271.69	4465.58	-1.18	-3387.83	3386.06	1.78	-1.66	-0.63	
7745.00	89.94	270.53	4464.69	0 69	-3484.80	3483.05	1.69	-1.20	-1.20	
7841.00	93.03	272.75	4462.21	3 44	-3580.71	3579.00	3.96	3.22	2.31	
7936.00	91.10	270.76	4458.78	6 34	-3675.60	3673.92	2.92	-2.03	-2.09	
8033.00	89.96	269.15	4457.89	6 27	-3772.59	3770.86	2.03	-1.18	-1.66	
8129.00	91.36	269.61	4456.78	5 23	-3868.57	3866.77	1.54	1.46	0.48	
8225.00	91.10	270.64	4454.72	5.44	-3964.55	3962.70	1.11	-0.27	1.07	
8267.00	92.42	271.56	4453.43	6.25	-4006.52	4004.68	3.83	3.14	2.19	Final MWD Survey @ 8267'
8345.00	92.42	271.56	4450.14	8.37	-4084.42	4082.61	0.00	0.00	0.00	Proj. to Bit @ 8345' MD

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---><--- Longitude --->		
PBHL			4452.50	132 20	-4138.80	696032.30	423481.90	32 54 47.599 N	104 34 57.622 W	

Pathfinder Energy

Survey Report

Company: EOG Resources
Field: Thames Field
Site: Colorado A 22 Fed #1H
Well: Colorado A 22 Fed #1H
Wellpath: OH

Date: 7/2/2007 Time: 11:27:00 Page: 3
Co-ordinate(NE) Reference: Well: Colorado A 22 Fed #1H, Grid North
Vertical (TVD) Reference: SITE 3644.0
Section (VS) Reference: Well (0.00N,0.00E,271.83Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Annotation

MD ft	TVD ft	
4000.00	3999.65	Tie-in to Gyro Survey
4055.00	4054.53	KOP @ 4055' MD/TVD, Begin Build @ 11.84°/100'
4819.59	4533.99	EOC @ 4820' MD, 4543' TVD, Begin Hold
5819.59	4521.99	EOH @ 5820' MD, Begin Build @ 3°/100'
5886.33	4521.20	EOB @ 5886' MD, 92° INC
8267.00	4453.43	Final MWD Survey @ 8267' MD
8345.00	4450.14	Proj. to Bit @ 8345' MD



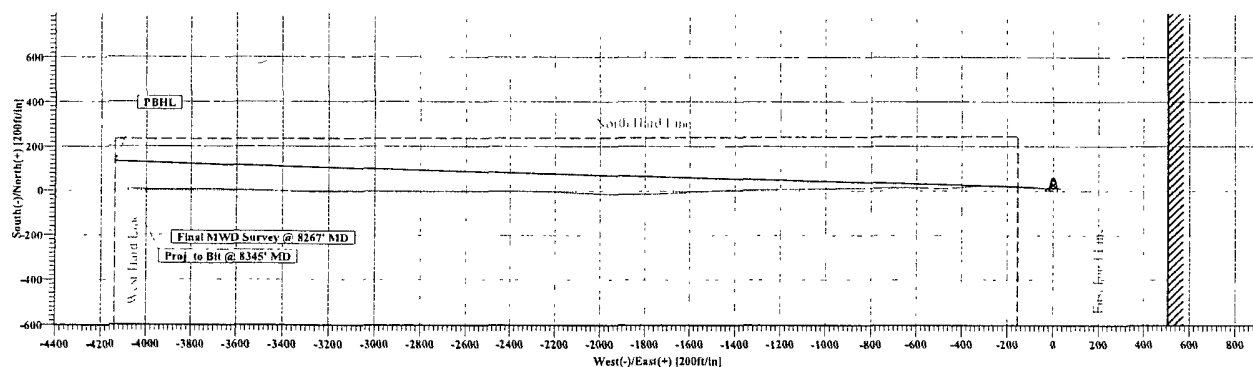
Field: Thames Field
Site: Colorado A 22 Fed #1H
Well: Colorado A 22 Fed #1H
Wellpath: OH
Survey: Pathfinder MWD

PATHFINDER

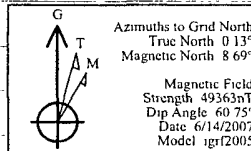
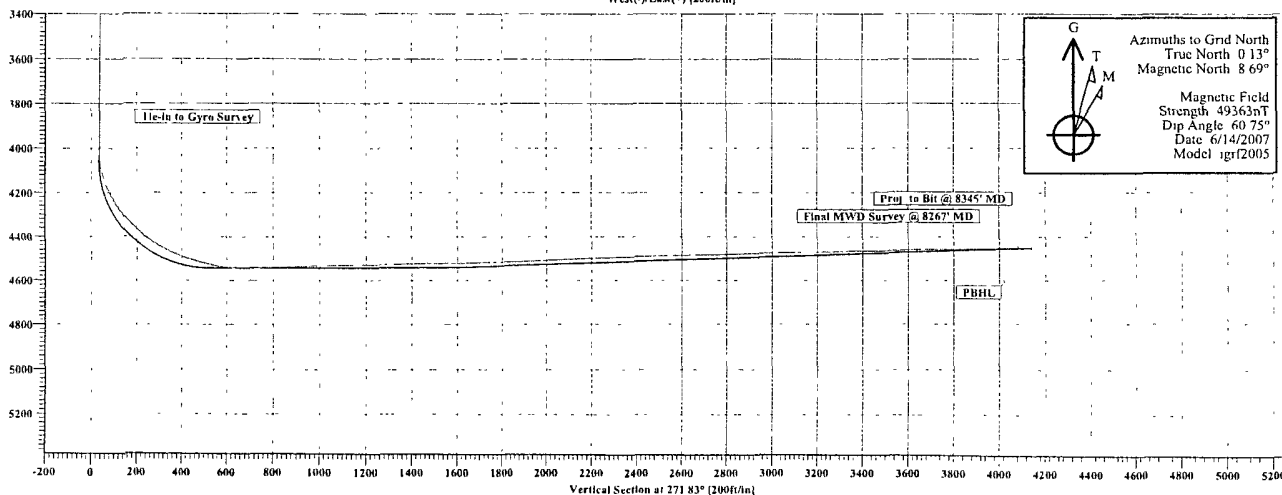
No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
52	7169.00	91.98	269.78	4477.68	-2.99	-2909.11	0.36	-178.36	2907.53
53	7264.00	91.89	269.96	4474.47	-3.21	-3004.05	0.21	116.58	3002.42
54	7360.00	91.45	269.47	4471.67	-3.68	-3100.01	0.69	-131.93	3098.31
55	7456.00	89.69	268.64	4470.71	-5.27	-3195.99	2.03	-154.75	3194.19
56	7553.00	92.68	272.29	4468.71	-4.48	-3292.94	4.86	50.65	3291.12
57	7648.00	91.10	271.69	4465.58	-1.18	-3387.83	1.78	-159.21	3386.06
58	7745.00	89.94	270.53	4464.69	0.69	-3484.80	1.69	-134.99	3483.05
59	7841.00	93.03	272.75	4462.21	3.44	-3580.71	3.96	35.66	3579.00
60	7936.00	91.10	270.76	4458.78	6.34	-3675.60	2.92	-134.10	3673.92
61	8033.00	89.96	269.15	4457.89	6.27	-3772.59	2.03	-125.29	3770.86
62	8129.00	91.36	269.61	4456.78	5.23	-3868.57	1.54	18.19	3866.77
63	8225.00	91.10	270.64	4454.72	5.44	-3964.55	1.11	104.16	3962.70
64	8267.00	92.42	271.56	4453.43	6.25	-4006.52	3.83	34.85	4004.68
65	8345.00	92.42	271.56	4450.14	8.37	-4084.42	0.00	0.00	4082.61

—	Colorado A 22 Fed #1H/OH, Plan #2 6-22-07
OH	OH
---	Pathfinder MWD

Colorado A 22 Fed #1H	
Site Centre Northing	695900.10
Easting	427620.70
Ground Level	3625.00
Positional Uncertainty	0.00
Convergence	-0.13



Name	TVD	+N/-S	+E/-W	Shape
PBHL	4452.50	132.20	-4138.80	Point



OH			
Rig	SITE 3644.00ft		
Ref Datum	Origin +N/-S	Origin +E/-W	Starting From TVD
V Section Angle	271.83°	0.00	0.00

No	TVD	MD	Annotation
1	3999.65	4000.00	Tie-in to Gyro Survey
2	4054.53	4055.00	KOP @ 4055' MD/TVD, Begin Build @ 11.84°/100'
3	4513.99	4819.59	EOC @ 4820' MD, 4543' TVD, Begin Hold
4	4521.99	5819.59	EOH @ 5820' MD, Begin Build @ 3°/100'
5	4521.20	5886.33	EOB @ 5886' MD, 92° INC
6	4453.43	8267.00	Final MWD Survey @ 8267' MD
7	4450.14	8345.00	Proj. to Bit @ 8345' MD