

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

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

2. Name of Operator
EOG Resources Inc.

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

3b. Phone No. (include area code)
432-686-3689

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**760' FNL & 660' FEL, U/L A
Sec 1, T18S, R23E**

OCT 21 2008

OCD-ARTESIA

5. Lease Serial No.

NM 100529 (N/2)

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No

8. Well Name and No.

Llano 1 Fed 1H

9. API Well No.

30-015-36059

10. Field and Pool, or Exploratory Area

Rio Penasco; Wolfcamp

11. County or Parish, State

Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- | | | | |
|---|---|--|---|
| ☐ Acidize | ☐ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other <u>completion</u> |
| ☐ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomple in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

09/16/08 TD at 8440' MD.

Ran 189 jts 5-1/2", 17 #, N-80 casing set at 8433'.

09/17/08 Cemented w/ 650 sx 50/50 POZ C, 11.8 ppg, 2.29 yield; 750 sx 50/50 POZ C, 14.2 ppg, 1.30 yield. Circulated 286 bbls to surface. Released rig.

09/29/08 MIRU for completion.

Perforated from 7640 - 8360', 0.42", 30 holes.

09/30/08 Frac w/ 70 bbls 15% HCL acid, 144 bbls Dilute acid, 486 bbls 15 # Linear gel, 79000 lbs 100 mesh sand, 75000 lbs 30/70 sand, 30000 lbs 20/40 sand, 6278 bbls load water.

Perforated from 6740 - 7460', 0.42", 30 holes.

Frac w/ 70 bbls 15% HCL acid, 97 bbls Dilute acid, 484 bbls 15 # Linear gel, 79000 lbs 100 mesh sand, 75000 lbs 30/70 sand, 30000 lbs 20/40 sand, 6240 bbls load water.

10/01/08 Perforated from 5840 - 6560', 0.42", 30 holes.

Frac w/ 70 bbls 15% HCL acid, 231 bbls Dilute acid, 446 bbls 15 # Linear gel, 79000 lbs 100 mesh sand, 76000 lbs 30/70 sand, 30000 lbs 20/40 sand, 6154 bbls load water.

Perforated from 4900 - 5660', 0.42", 30 holes.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title

Regulatory Analyst

Signature

Stan Wagner

Date **10/02/08**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

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OCD-ARTESIA

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10/01/08 Frac w/ 70 bbls 15% HCL acid, 168 bbls Dilute acid, 654 bbls 15 # Linear gel, 79000 lbs 100 mesh sand, 75000 lbs 30/70 sand, 50000 lbs 20/40 sand, 6307 bbls load water.
Flowback.

10/03/08 RIH w/ 2-3/8" production tubing set at 5576'.
Flowback.

10/06/08 Turned to sales.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Stan Wagner

Title

Regulatory Analyst

Signature

Date 10/10/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

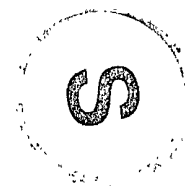
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Llano 1 Fed #1H Gyro.txt

002

° 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 °
° 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 °

Outrun Survey
for
EOG

Page 1

Well No.: LLANO 1 FED #1H

Date : 11-SEP-2008

Job No. : 32K0908703

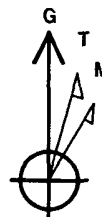
Proposal : 270.11

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	GRID Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
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OCT 21 2008
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0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00
100.00	100.00	-0.26	0.51	35.22	0.36	0.26	0.51
200.00	199.99	-0.52	0.98	0.55	1.58	0.52	0.63
300.00	299.98	-0.72	0.70	18.93	3.02	0.73	0.39
400.00	399.96	-2.09	1.61	56.32	4.37	2.10	1.14
500.00	499.89	-5.19	2.58	59.33	6.30	5.20	0.98
600.00	599.82	-8.77	1.91	81.75	7.69	8.79	1.09
700.00	699.76	-12.18	2.02	87.72	8.00	12.20	0.23
800.00	799.69	-15.70	2.03	82.86	8.29	15.71	0.17
900.00	899.64	-18.89	1.64	88.74	8.54	18.90	0.43
1000.00	999.60	-21.79	1.69	84.89	8.70	21.80	0.12
1100.00	1099.56	-24.66	1.62	84.60	8.96	24.68	0.07
1200.00	1199.52	-27.54	1.72	79.35	9.38	27.56	0.18
1300.00	1299.48	-30.28	1.48	78.32	9.91	30.30	0.24
1400.00	1399.45	-32.55	1.15	87.84	10.21	32.57	0.39
1500.00	1499.43	-34.64	1.31	72.59	10.59	34.66	0.36
1600.00	1599.40	-36.65	1.06	82.19	11.06	36.67	0.32
1700.00	1699.39	-38.17	0.70	91.18	11.17	38.19	0.38
1800.00	1799.39	-38.98	0.40	34.80	11.45	39.00	0.58
1900.00	1899.39	-39.12	0.41	349.95	12.09	39.14	0.31
2000.00	1999.38	-38.73	0.66	326.22	12.92	38.76	0.33
2100.00	2099.37	-38.03	0.81	327.09	13.99	38.05	0.15
2200.00	2199.36	-37.40	0.67	335.61	15.12	37.43	0.18
2300.00	2299.36	-36.68	0.61	296.55	15.89	36.71	0.43
2400.00	2399.35	-35.77	0.73	317.10	16.59	35.80	0.27
2500.00	2499.34	-34.89	0.72	315.09	17.50	34.92	0.03
2600.00	2599.34	-34.17	0.74	335.22	18.53	34.21	0.26
2700.00	2699.33	-33.83	0.77	353.56	19.79	33.86	0.24
2800.00	2799.32	-33.70	0.49	353.94	20.88	33.74	0.28
2900.00	2899.32	-33.49	0.63	342.79	21.83	33.53	0.18
3000.00	2999.31	-33.37	0.40	6.62	22.70	33.41	0.31
3100.00	3099.31	-33.16	0.29	263.62	23.02	33.20	0.54
3200.00	3199.31	-32.72	0.21	269.28	22.99	32.77	0.08
3300.00	3299.31	-32.36	0.26	307.63	23.13	32.40	0.16
3400.00	3399.31	-32.12	0.17	334.99	23.40	32.16	0.13
3500.00	3499.31	-32.02	0.07	326.70	23.59	32.06	0.10
3600.00	3599.30	-32.59	0.79	60.84	23.97	32.63	0.80
3700.00	3699.30	-33.40	0.28	57.93	24.44	33.44	0.51
3718.00	3717.30	-33.47	0.23	107.14	24.45	33.52	1.21

The Horizontal Displacement (in Feet) at
Measured Depth 3718.00 is 41.49 in a Direction of 53.89 Degrees



Azimuths to Grid North
True North: 0.16°
Magnetic North: 8.59°

Magnetic Field
Strength: 49126.0nT
Dip Angle: 60.59°
Date: 9/12/2008
Model: IGRF200510

Project: Thames
Site: Llano 1 Fed #1H
Well: Llano 1 Fed #1H
Wellbore: OH
Plan: Plan #1 (Llano 1 Fed #1H/OH)



EOW

WELL DETAILS: Llano 1 Fed #1H

Ground Elevation: 3872.01
RKB Elevation: WELL @ 3891.00ft (Original Well Elev)
Rig Name: Original Well Elev

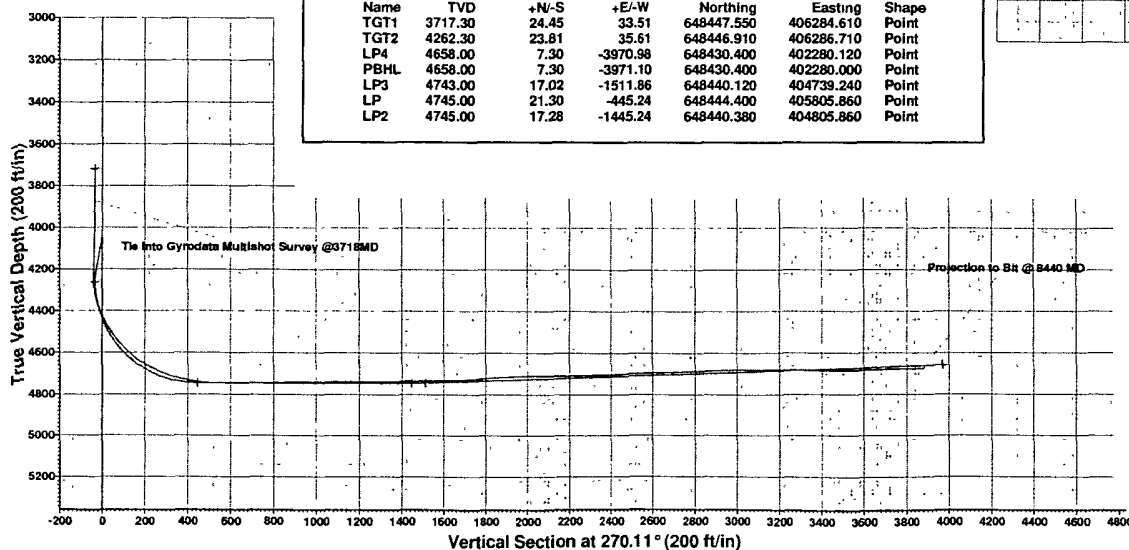
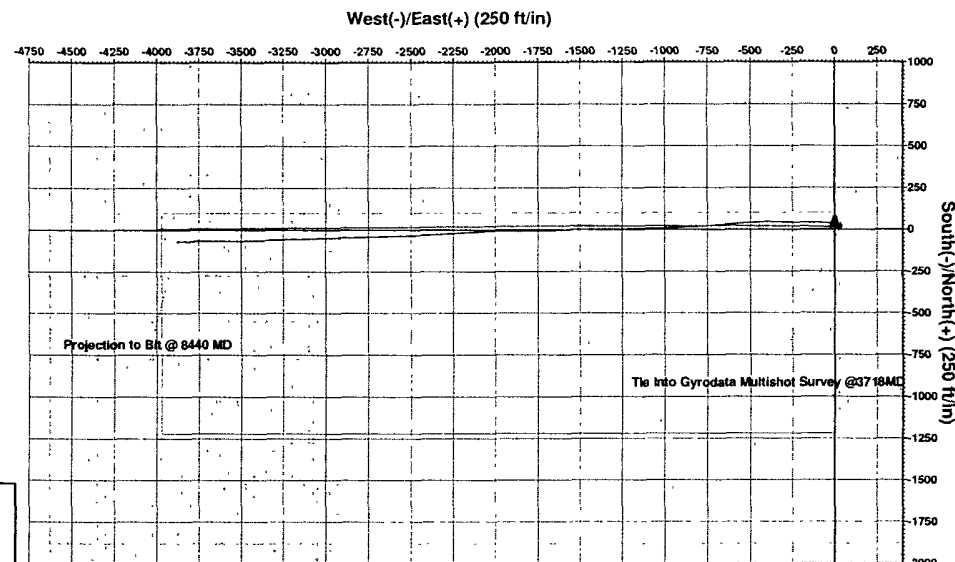
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	648423.100	406251.100	32° 46' 56.045 N	104° 38' 18.138 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	
3	4083.54	10.02	80.64	4083.11	1.19	7.19	12.00	80.64	-7.19	
4	4187.81	10.02	80.64	4185.79	4.14	25.10	0.00	0.00	-25.09	
5	5020.20	90.00	270.11	4745.00	21.30	-445.24	12.00	-170.39	445.28	LP
6	6020.19	90.00	270.11	4745.00	23.22	-1445.23	0.00	0.00	1445.27	LP2
7	6088.74	92.00	269.63	4743.80	23.06	-1513.76	3.00	-13.47	1513.80	
8	8531.54	92.00	269.63	4658.56	7.34	-3955.03	0.00	0.00	3955.03	
9	8547.50	92.00	270.11	4658.00	7.30	-3970.98	3.00	89.98	3970.99	LP4
10	8547.62	92.00	270.11	4658.00	7.30	-3971.10	0.00	0.00	3971.11	PBHL

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
TGT1	3717.30	24.45	33.51	648447.550	406284.610	Point
TGT2	4262.30	23.81	35.61	648446.910	406286.710	Point
LP4	4658.00	7.30	-3970.98	648430.400	402280.120	Point
PBHL	4658.00	7.30	-3971.10	648430.400	402280.000	Point
LP3	4743.00	17.02	-1511.86	648440.120	404739.240	Point
LP	4745.00	21.30	-445.24	648444.400	405805.860	Point
LP2	4745.00	17.28	-1445.24	648440.380	404805.860	Point



PROJECT DETAILS: Thames
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001

System Datum: Mean Sea Level
Local North: Grid

Plan: Plan #1 (Llano 1 Fed #1H/OH)	
Created By: Nate Bingham	Date: 11 28, September 23 2008
Checked: _____	Date: _____

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OCT 21 2008



**Actual Path**

TMD	DEG	AZI	TVD	N/S	E/W	VS	DLS
3718	0.23	107.14	3717.3	24.45	33.52	-33.47	-999.25
3874	0.35	36.48	3873.3	24.74	34.1	-34.05	0.22
4060	1.67	62.83	4059.27	26.44	36.85	-36.8	0.73
4233	1.58	63.1	4232.2	28.67	41.22	-41.17	0.05
4263	2.46	301.71	4262.19	29.19	41.04	-40.99	11.83
4294	6.77	284.4	4293.08	30	38.71	-38.65	14.46
4325	11.34	281.18	4323.69	31.04	33.94	-33.88	14.83
4356	16.27	280.82	4353.78	32.45	26.68	-26.62	15.91
4387	20.75	277.49	4383.17	33.98	16.97	-16.9	14.84
4418	23.92	274.53	4411.84	35.19	5.25	-5.19	10.85
4449	26.56	273.71	4439.88	36.14	-7.93	8	8.59
4480	29.55	273	4467.23	36.99	-22.48	22.55	9.7
4511	32.89	273.71	4493.74	37.93	-38.52	38.59	10.84
4542	36.14	272.83	4519.28	38.93	-56.05	56.13	10.61
4573	39.13	272.25	4543.83	39.76	-74.96	75.04	9.71
4603	42.12	271.17	4566.6	40.34	-94.48	94.56	10.24
4634	45.2	269.93	4589.02	40.54	-115.88	115.96	10.31
4665	48.72	269.17	4610.18	40.36	-138.53	138.61	11.49
4696	53.29	269.96	4629.68	40.18	-162.62	162.7	14.87
4727	58.12	270.76	4647.14	40.35	-188.22	188.3	15.73
4758	61.38	270.98	4662.75	40.75	-214.99	215.07	10.53
4789	63.75	271.71	4677.04	41.4	-242.5	242.58	7.93
4820	65.86	271.99	4690.23	42.31	-270.53	270.61	6.85
4850	69.29	272.07	4701.67	43.29	-298.24	298.32	11.44
4881	72.28	271.92	4711.88	44.31	-327.49	327.58	9.66
4912	74.04	271.76	4720.86	45.26	-357.15	357.23	5.7
4942	76.85	270.42	4728.4	45.81	-386.18	386.26	10.32
4973	79.32	268.44	4734.8	45.51	-416.5	416.59	10.13
5004	81.87	266.83	4739.86	44.24	-447.06	447.14	9.69
5035	85.21	265.58	4743.35	42.2	-477.79	477.87	11.49
5128	92.59	266.17	4745.13	35.52	-570.47	570.53	7.96
5221	89.25	265.68	4743.64	28.91	-663.2	663.26	3.63
5314	90.66	264.99	4743.71	21.35	-755.89	755.93	1.69
5407	92.15	267.55	4741.43	15.3	-848.66	848.69	3.18
5499	90.48	267.3	4739.32	11.17	-940.54	940.56	1.84
5592	90.22	268.59	4738.75	7.83	-1033.47	1033.49	1.41
5685	90.22	269.08	4738.4	5.94	-1126.45	1126.46	0.53
5777	90.31	268.93	4737.97	4.35	-1218.44	1218.45	0.19
5871	90.84	269.83	4737.03	3.33	-1312.43	1312.43	1.11
5964	90.92	269.79	4735.6	3.02	-1405.42	1405.42	0.1
6058	91.45	268.8	4733.65	1.86	-1499.39	1499.39	1.19
6152	90.48	266.61	4732.07	-1.9	-1593.29	1593.29	2.55
6277	93.56	268.91	4727.67	-6.78	-1718.1	1718.08	3.07
6371	94.44	269.27	4721.11	-8.27	-1811.85	1811.83	1.01
6464	93.47	270.62	4714.69	-8.36	-1904.63	1904.61	1.78
6558	91.63	269.2	4710.51	-8.51	-1998.53	1998.51	2.47
6651	89.43	266.7	4709.65	-11.84	-2091.45	2091.43	3.58
6746	91.36	266.49	4709	-17.48	-2186.28	2186.24	2.04
6840	91.71	266.49	4706.48	-23.23	-2280.07	2280.02	0.37
6934	92.15	267.16	4703.31	-28.43	-2373.87	2373.81	0.85

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7027	93.03	267.85	4699.11	-32.48	-2466.68	2466.62	1.2
7120	91.8	267.97	4695.19	-35.87	-2559.54	2559.47	1.33
7213	91.98	268.13	4692.12	-39.03	-2652.43	2652.35	0.26
7306	92.07	268.37	4688.84	-41.87	-2745.33	2745.25	0.28
7401	92.24	268.46	4685.27	-44.49	-2840.23	2840.14	0.2
7494	92.59	269.25	4681.35	-46.35	-2933.13	2933.03	0.93
7588	89.87	267.7	4679.33	-48.85	-3027.06	3026.96	3.33
7680	89.69	267.98	4679.68	-52.32	-3118.99	3118.89	0.36
7772	89.52	268.07	4680.32	-55.49	-3210.94	3210.82	0.21
7867	88.02	267.88	4682.36	-58.85	-3305.85	3305.73	1.59
7960	88.81	267.76	4684.93	-62.38	-3398.75	3398.62	0.86
8053	91.19	269.26	4684.93	-64.8	-3491.71	3491.58	3.02
8146	91.98	269.88	4682.36	-65.5	-3584.67	3584.54	1.08
8240	91.71	269.67	4679.33	-65.87	-3678.62	3678.49	0.36
8366	91.01	269.51	4676.34	-66.77	-3804.58	3804.45	0.57
8440	91.01	269.51	4675.04	-67.4	-3878.57	3878.44	0

OCT 21 2008
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