

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

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

RM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NM 97850 (SHL)	
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other Re-Entry		6. If Indian, Allottee or Tribe Name	
2. Name of Operator EOG Resources Inc.		7. Unit or CA Agreement Name and No.	
3. Address P.O. Box 2267 Midland, Texas 79702		8. Lease Name and Well No. Bow Fed Com 1H	
3a. Phone No (include area code) 432-686-3689		9. API Well No. 30-015-20590	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1969 FSL & 1959 FWL, U/L K, Sec 27 At top prod interval reported below At total depth 1750 FSL & 1895 FEL, U/L J, Sec 28		10. Field and Pool, or Exploratory Four Mile Draw; (Wolfcamp)	
CONFIDENTIAL		11. Sec., T., R., M., or Block and Survey or Area Sec 27, T18S, R23E	
		12. County or Parish EOG 13. State NM	
14. Date Spudded RE 10/19/08	15. Date T.D. Reached 10/26/08	16. Date Completed ☐ D & A ☒ Ready to Prod. 11/11/08	
17. Elevations (DF, RKB, RT, GL)* 3943 GL			

18. Total Depth: MD 8330 TVD 4581	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) JAN 05 2009 OCD-ARTESIA		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
17-1/2	13-3/8	72		341		350 C		surface	
12-1/4	8-5/8	24		1810		1335 C		surface	
7-7/8	5-1/2	17		8321		1375 POZ 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)

25 Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Wolfcamp	4590		4900 - 8250	0.42"	120	Producing
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.	
Depth Interval	Amount and Type of Material
4900 - 8250	Frac w/ 280 bbls 15% HCL acid, 576 bbls Dilute acid, 1878 bbls 15 # Linear gel, 298473 lbs 100 mesh sand, 286046 lbs 30/70 sand, 117618 lbs 20/40 sand, 24716 bbls water

28. Production - Interval A									
Date First Produced 11/11/08	Test Date 11/26/08	Hours Tested 24	Test Production →	Oil BBL 0	Gas MCF 842	Water BBL 61	Oil Gravity Corr. API	Gas Gravity	Production Method Flowing
Choke Size Open	Tbg. Press Flwg SI 170	Csg. Press. 380	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status PGW	DEC 22 2008
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 Flowing
Choke Size	Tbg. Press Flwg SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	BUREAU OF LAND MANAGEMENT ARTESIA 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
Bureau of Land Management RECEIVED DEC 09 2008 Carlsbad Field Office Carlsbad, NM				Glorieta	1550'
				Tubb	2880'
				Abo Shale	3535'
				Abo Carbonate	3685'
				Wolfcamp	4590'

32. Additional remarks (include plugging procedure):

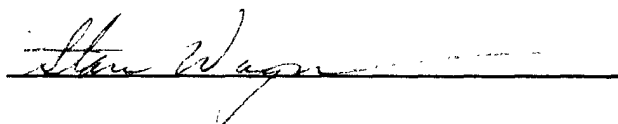
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ 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 12/5/08

Bow Fed Com #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 °
»
¼

```

Outrun Survey
for
EOG RESOURCES

Page 1

Well No.: BOW FED COM #1H

Date : 20-OCT-2008

Job No. : 32K100881E

Proposal : 268.74

```

Depth T.V.D. V.S. Inc GRID Azimuth Latitude Departure D-leg
( Feet ) ( Feet ) ( Feet ) Deg. Deg. ( Feet ) ( Feet ) /100

```

```

0.00 0.00 0.00 0.00 0.19 0.00 0.00 0.00
100.00 100.00 0.11 0.13 262.97 -0.01 -0.11 0.13
200.00 200.00 0.25 0.03 252.98 -0.04 -0.25 0.10
300.00 300.00 0.21 0.16 151.47 -0.17 -0.21 0.17
400.00 400.00 0.30 0.18 275.46 -0.27 -0.30 0.30

500.00 500.00 0.75 0.37 241.04 -0.41 -0.74 0.24
600.00 600.00 1.28 0.32 243.79 -0.69 -1.27 0.05
700.00 699.99 1.78 0.41 222.29 -1.08 -1.76 0.16
800.00 799.99 2.04 0.41 179.54 -1.71 -2.00 0.30
900.00 899.99 1.89 0.48 157.35 -2.45 -1.83 0.18

1000.00 999.99 1.57 0.46 154.26 -3.20 -1.50 0.03
1100.00 1099.98 1.56 0.53 198.06 -4.00 -1.47 0.37
1200.00 1199.98 2.14 0.56 240.36 -4.68 -2.04 0.39
1300.00 1299.97 3.05 0.65 236.98 -5.23 -2.94 0.10
1400.00 1399.96 4.17 0.77 249.54 -5.78 -4.04 0.20

1500.00 1499.95 5.30 0.67 237.38 -6.33 -5.16 0.18
1600.00 1599.95 6.13 0.45 234.53 -6.87 -5.98 0.22
1700.00 1699.95 6.97 0.64 246.44 -7.32 -6.81 0.22
1800.00 1799.94 7.96 0.66 234.44 -7.88 -7.79 0.14
1900.00 1899.93 8.88 0.69 227.02 -8.62 -8.70 0.09

2000.00 1999.92 9.73 0.73 216.85 -9.54 -9.52 0.13
2100.00 2099.92 10.49 0.64 219.68 -10.48 -10.26 0.10
2200.00 2199.91 11.26 0.73 217.91 -11.41 -11.01 0.09
2300.00 2299.90 12.12 0.78 222.12 -12.42 -11.86 0.07
2400.00 2399.89 13.08 1.01 212.56 -13.67 -12.79 0.27

2500.00 2499.88 13.94 0.92 206.04 -15.13 -13.61 0.14
2600.00 2599.86 14.72 0.92 209.44 -16.55 -14.36 0.05
2700.00 2699.85 15.64 1.07 211.93 -18.05 -15.25 0.16
2800.00 2799.83 16.57 1.09 204.89 -19.70 -16.14 0.13
2900.00 2899.81 17.37 1.07 202.67 -21.43 -16.90 0.05

3000.00 2999.79 18.24 1.09 209.74 -23.11 -17.73 0.13
3100.00 3099.77 19.38 1.21 216.92 -24.78 -18.84 0.19
3200.00 3199.75 20.62 1.20 212.57 -26.51 -20.04 0.09
3300.00 3299.73 21.74 1.06 214.74 -28.15 -21.13 0.15
3400.00 3399.71 22.79 1.10 210.30 -29.74 -22.14 0.09

3500.00 3499.70 23.75 1.05 208.99 -31.37 -23.07 0.06
3600.00 3599.68 24.68 1.10 207.82 -33.02 -23.96 0.05
3700.00 3699.66 25.58 1.04 207.24 -34.68 -24.82 0.06
3800.00 3799.64 26.40 1.02 204.58 -36.29 -25.61 0.05
3900.00 3899.63 27.20 1.09 204.39 -37.97 -26.37 0.07

```

```

0      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      0

```

Page 2

Date : 20-OCT-2008

GRID

Depth (Feet)	T.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	D-leg /100
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							
51							
52							
53							
54							
55							
56							
57							
58							
59							
60							
61							
62							
63							
64							
65							
66							
67							
68							
69							
70							
71							
72							
73							
74							
75							
76							
77							
78							
79							
80							

The Horizontal Displacement (in Feet) at

Measured Depth 4300.00 is 52.72 in a Direction of 209.83 Degrees

Actual Path

TMD	DEG	AZI	TVD	N/S	E/W	VS	DLS
4169	1.41	179.99	4168.58	-43.07	-26.9	27.84	0.36
4200	2.29	223.09	4199.57	-43.91	-27.33	28.29	5.12
4231	5.1	244.12	4230.5	-44.96	-28.99	29.97	9.92
4262	9.15	250.02	4261.26	-46.4	-32.55	33.56	13.26
4293	12.84	254.18	4291.68	-48.19	-38.18	39.23	12.17
4324	16.62	256.89	4321.66	-50.13	-45.81	46.91	12.39
4355	20.22	259.05	4351.07	-52.16	-55.4	56.53	11.82
4386	24.01	260.39	4379.78	-54.23	-66.88	68.05	12.33
4416	27.87	260.52	4406.75	-56.4	-79.82	81.04	12.87
4447	31.92	260.03	4433.62	-59.01	-95.04	96.32	13.09
4478	35.88	260.05	4459.35	-62	-112.07	113.4	12.77
4509	39.75	260.43	4483.83	-65.22	-130.8	132.2	12.51
4540	43	260.93	4507.09	-68.54	-151.01	152.48	10.54
4571	45.9	261.73	4529.22	-71.81	-172.47	174.01	9.53
4602	48.72	262.5	4550.24	-74.93	-195.04	196.64	9.28
4633	51.62	263.46	4570.09	-77.83	-218.67	220.32	9.65
4664	54.87	264.25	4588.64	-80.49	-243.36	245.07	10.68
4694	57.6	264.68	4605.31	-82.89	-268.18	269.94	9.18
4725	60.15	264.67	4621.33	-85.35	-294.6	296.4	8.23
4756	63.05	264.23	4636.08	-87.99	-321.74	323.59	9.44
4787	65.95	263.94	4649.42	-90.88	-349.57	351.48	9.39
4818	68.94	264.1	4661.31	-93.86	-378.03	380.01	9.66
4849	71.23	265.12	4671.87	-96.59	-407.05	409.08	8.01
4880	73.42	265.28	4681.28	-99.07	-436.48	438.55	7.08
4911	75.18	265.28	4689.67	-101.52	-466.22	468.34	5.68
4942	78	265.31	4696.86	-103.99	-496.27	498.44	9.1
4973	80.37	265.49	4702.67	-106.44	-526.62	528.83	7.67
5004	82.92	265.26	4707.18	-108.91	-557.19	559.45	8.26
5035	85.47	265.88	4710.31	-111.29	-587.94	590.24	8.46
5127	93.3	266.02	4711.3	-117.78	-679.63	682.06	8.51
5221	94	266.27	4705.32	-124.09	-773.23	775.77	0.79
5314	91.28	265.54	4701.03	-130.72	-865.88	868.55	3.03
5406	90.92	265.49	4699.27	-137.92	-957.58	960.38	0.39
5499	89.96	264.74	4698.55	-145.84	-1050.24	1053.19	1.31
5592	90.57	264.25	4698.12	-154.76	-1142.81	1145.94	0.84
5685	89.69	264.3	4697.91	-164.03	-1235.34	1238.65	0.95
5777	90.75	263.71	4697.56	-173.64	-1326.84	1330.34	1.32
5870	92.86	264.56	4694.63	-183.14	-1419.3	1422.98	2.45
5965	92.68	266.59	4690.04	-190.46	-1513.9	1517.72	2.14
6058	92.33	267.45	4685.97	-195.29	-1606.69	1610.59	1
6150	92.33	268.67	4682.23	-198.4	-1698.56	1702.51	1.33
6244	90.75	268.05	4679.71	-201.09	-1792.48	1796.47	1.81
6338	93.03	270.2	4676.6	-202.53	-1886.41	1890.4	3.33
6431	90.31	270.4	4673.9	-202.04	-1979.36	1983.32	2.93
6525	90.57	268.82	4673.17	-202.68	-2073.35	2077.3	1.7
6619	91.71	268.74	4671.3	-204.68	-2167.31	2171.28	1.22
6711	94.79	268.91	4666.09	-206.57	-2259.13	2263.12	3.35
6805	96.46	269.6	4656.87	-207.78	-2352.66	2356.66	1.92
6898	96.29	269.56	4646.55	-208.46	-2445.09	2449.08	0.19
6992	95.85	270.83	4636.61	-208.14	-2538.56	2542.52	1.42

7086	95.5	270.36	4627.31	-207.17	-2632.09	2636.01	0.62
7180	95.14	270.35	4618.6	-206.59	-2725.68	2729.57	0.38
7273	94.97	269.82	4610.4	-206.45	-2818.32	2822.18	0.6
7365	95.5	270.3	4602.01	-206.36	-2909.94	2913.77	0.78
7458	93.91	269.5	4594.38	-206.52	-3002.62	3006.44	1.91
7551	93.83	269.9	4588.1	-207.01	-3095.41	3099.21	0.44
7645	91.45	269.8	4583.77	-207.25	-3189.3	3193.09	2.53
7738	91.98	269.52	4580.99	-207.8	-3282.26	3286.03	0.64
7832	90.48	269.38	4578.97	-208.71	-3376.23	3380	1.6
7925	90.04	268.73	4578.55	-210.24	-3469.21	3473	0.84
8018	90.75	269.27	4577.91	-211.86	-3562.2	3565.99	0.96
8112	88.81	268.87	4578.27	-213.39	-3656.18	3659.99	2.11
8206	89.25	268.76	4579.86	-215.33	-3750.14	3753.97	0.48
8330	89.25	268.76	4581.48	-218.02	-3874.1	3877.96	0