

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NM100554
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator BOG 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. West Brushy Federal 33 No. 1
3a. Phone No. (include area code) 432-686-3689		9. API Well No. 30-015-36971
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface 580 FSL & 1580 FWL, U/L N At top prod. interval reported below At total depth 560 FSL & 1750 FWL, U/L N		10. Field and Block or Exploratory Undesignated Cherry Canyon
14. Date Spudded 5/26/09		11. Sec., T., R., M., or Block and Survey or Area Sec 33, T25S, R29E
15. Date T.D. Reached 6/1/09		12. County or Parish Eddy
16. Date Completed ☐ D & A ☒ Ready to Prod. 7/3/09		13. State NM
18. Total Depth: MD 5495 TVD		17. Elevations (DF, RKB, RT, GL)* 2990' GL
19. Plug Back T.D.: MD 5384 TVD		20. Depth Bridge Plug Set: MD TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CND, Lat		22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)

CONFIDENTIAL

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
12-1/4	8-5/8	32/J55		624		200 POZ C,		surface
						200 PP		
7-7/8	5-1/2	17/K55		5486		1100 POZ C,		surface
						100 C		

RECEIVED

SEP 15 2010

NM OCD ARTESIA

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	5169							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Cherry Canyon	3854		5060 - 5083	0.40"	51	producing
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5060 - 5083	Frac w/ 119 bbls 15% HCl acid, 297 bbls 25 # Linear gel, 1186 bb 1s 25 # XL Borate, 131950 lbs 20/40 sand. Flush w/ 115 bbls 25 # Linear gel.

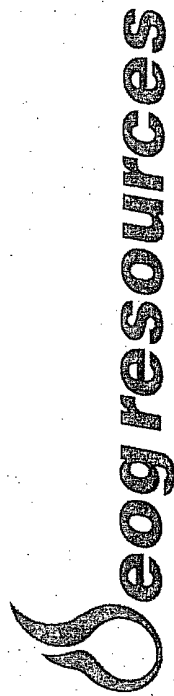
ACCEPTED FOR RECORD

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
7/3/09	7/4/09	24	→	71	20	145	40.0		AUG 11 2009
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
20/64	300		→				281	POW	/s/ Chris Walls
									BUREAU OF LAND MANAGEMENT
									CARLSBAD FIELD OFFICE

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	
			→						



EOG Resources, Inc.

**Eddy County
West Brushy Federal #33
#1H
Pilot Hole**

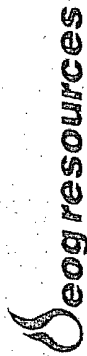
Survey: MWD #1

Pathfinder X & Y Survey Report

09 June, 2009

PATHFINDER

30-015-36971



Pathfinder Energy Services
Pathfinder X & Y Survey Report



Company:	EOG Resources, Inc.	Local Co-ordinate Reference:	Well #1H
Project:	Eddy County	TVD Reference:	WELL @ 3008.00ft (McVay #4 18' KB Correction)
Site:	West Brushy Federal #33	MD Reference:	WELL @ 3008.00ft (McVay #4 18' KB Correction)
Well:	#1H	North Reference:	Grid
Wellbore:	Pilot Hole	Survey Calculation Method:	Minimum Curvature
Design:	Pilot Hole	Database:	Midland Database

Project	Eddy County	System Datum:	Mean Sea Level
Map System:	US State Plane 1927 (Exact solution)		
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	West Brushy Federal #33		
Site Position:		Northings:	393,149,800 ft
From:	Map	Easting:	605,616,000 ft
Position Uncertainty:	0.00 ft	Slot Radius:	"
		Latitude:	32° 4' 49.532 N
		Longitude:	103° 59' 32.401 W
		Grid Convergence:	0.18 °

Well	#1H		
Well Position	+N/-S	Northings:	393,149,800 ft
	+E/-W	Easting:	605,616,000 ft
Position Uncertainty	0.00 ft	Wellhead Elevation:	ft
		Latitude:	32° 4' 49.532 N
		Longitude:	103° 59' 32.401 W
		Ground Level:	2,990.00 ft

Wellbore	Pilot Hole		
Magnetics	Model Name	Sample Date	Field Strength
	IGRF200510	05/26/2009	(nT)
		8.00	60.04
			48,718

Design	Pilot Hole		
Audit Notes:			
Version:	1.0	Phase:	Tie On Depth:
		ACTUAL	0.00
Vertical Section:	Depth From (TVD)	+N/-S	Direction
	(ft)	(ft)	(°)
	0.00	0.00	89.80



Pathfinder Energy Services

Pathfinder X & Y Survey Report



Company: EOG Resources, Inc.

Project: Eddy County

Site: West Brushy Federal #33

Well: #1H

Wellbore: Pilot Hole

Design: Pilot Hole

Local Co-ordinate Reference: Well #1H

TVD Reference: WELL @ 3008.00ft (McVay #4 18' KB Correction)

MD Reference: WELL @ 3008.00ft (McVay #4 18' KB Correction)

North Reference: Grid

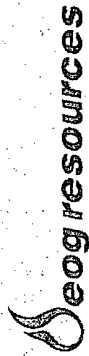
Survey Calculation Method: Minimum Curvature

Database: Midland Database

Survey Program Date 06/09/2009

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
100.00	577.00	Surface Gyro (Pilot Hole)	MWD	MWD - Standard
725.00	5,495.00	MWD #1 (Pilot Hole)	MWD	MWD - Standard

Survey MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	EW (ft)	V Sec (ft)	DLeg (°/100ft)	Northing (ft)	Easting (ft)
577.00	0.52	43.15	576.95	-2,431.05	4.07	5.77	5.79	0.00	393,153.87	605,621.77
725.00	0.70	0.27	724.95	-2,283.05	5.47	6.24	6.26	0.32	393,155.27	605,622.24
880.00	1.14	295.79	879.93	-2,128.07	7.08	4.85	4.88	0.68	393,156.88	605,620.85
1,036.00	2.29	275.38	1,035.86	-1,972.14	8.05	0.35	0.38	0.82	393,157.85	605,616.35
1,129.00	0.79	215.39	1,128.83	-1,879.17	7.70	-1.87	-1.84	2.17	393,157.50	605,614.13
1,222.00	0.62	209.95	1,221.82	-1,786.18	6.74	-2.49	-2.47	0.20	393,156.54	605,613.51
1,316.00	1.76	89.54	1,315.80	-1,692.20	6.32	-1.30	-1.28	2.28	393,156.12	605,614.70
1,409.00	2.02	72.90	1,408.75	-1,599.25	6.81	1.69	1.72	0.65	393,156.61	605,617.69
1,502.00	1.85	69.59	1,501.70	-1,506.30	7.81	4.67	4.69	0.22	393,157.61	605,620.67
1,595.00	0.53	83.73	1,594.68	-1,413.32	8.38	6.50	6.53	1.44	393,158.18	605,622.50
1,719.00	0.79	341.15	1,718.67	-1,289.33	9.26	6.80	6.83	0.84	393,159.06	605,622.80
1,875.00	1.41	277.00	1,874.65	-1,133.35	10.51	4.54	4.58	0.82	393,160.31	605,620.54
1,936.00	0.35	276.42	1,935.64	-1,072.36	10.62	3.61	3.65	1.74	393,160.42	605,619.61
1,998.00	1.23	106.42	1,997.64	-1,010.36	10.45	4.06	4.10	2.54	393,160.25	605,620.06
2,060.00	2.64	110.70	2,059.60	-948.40	9.76	6.04	6.07	2.28	393,159.56	605,622.04
2,122.00	3.87	103.88	2,121.50	-886.50	8.75	9.40	9.43	2.08	393,158.55	605,625.40
2,216.00	5.36	95.49	2,215.19	-792.81	7.57	16.85	16.88	1.74	393,157.37	605,632.85
2,309.00	8.09	94.36	2,307.55	-700.45	6.66	27.71	27.73	2.94	393,156.46	605,643.71
2,371.00	7.83	97.91	2,368.95	-639.05	5.75	36.24	36.26	0.90	393,155.55	605,652.24
2,433.00	4.84	95.06	2,430.56	-577.44	4.93	43.03	43.05	4.85	393,154.73	605,659.03
2,496.00	3.96	93.08	2,493.38	-514.62	4.58	47.85	47.86	1.42	393,154.38	605,663.85



Pathfinder Energy Services
Pathfinder X & Y Survey Report



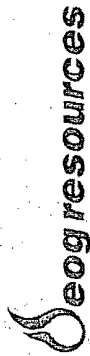
Company: EOG Resources, Inc.
Project: Eddy County
Site: West Brushy Federal #33
Well: #1H
Wellbore: Pilot Hole
Design: Pilot Hole

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey/Calculation Method:
Database:

Well #1H
WELL @ 3008.00ft (McVay #4 18' KB Correction)
WELL @ 3008.00ft (McVay #4 18' KB Correction)
Grid
Minimum Curvature
Midland Database

Survey	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	TVDSS (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	D Leg (°/100ft)	Northing (ft)	Easting (ft)
	2,557.00	5.72	103.71	2,554.16	-453.84	3.75	52.91	52.92	3.23	393,153.55	605,668.91
	2,620.00	7.03	107.38	2,616.77	-391.23	1.85	59.63	59.64	2.18	393,151.65	605,675.63
	2,682.00	7.21	110.65	2,678.29	-329.71	-0.65	66.90	66.89	0.72	393,149.15	605,682.90
	2,744.00	6.07	96.96	2,739.88	-268.12	-2.42	73.79	73.78	3.13	393,147.38	605,689.79
	2,806.00	5.54	90.61	2,801.56	-206.44	-2.85	80.04	80.03	1.34	393,146.95	605,696.04
	2,868.00	4.84	93.38	2,863.30	-144.70	-3.04	85.64	85.63	1.20	393,146.76	605,701.64
	2,961.00	5.45	92.77	2,955.93	-52.07	-3.48	93.97	93.96	0.66	393,146.32	605,709.97
	3,055.00	5.36	96.19	3,049.51	41.51	-4.17	102.79	102.78	0.36	393,145.63	605,718.79
	3,148.00	4.31	94.42	3,142.18	134.18	-4.91	110.60	110.58	1.14	393,144.89	605,726.60
	3,242.00	3.17	86.56	3,235.98	227.98	-5.02	116.71	116.69	1.33	393,144.78	605,732.71
	3,366.00	3.52	79.18	3,359.77	351.77	-4.10	123.87	123.86	0.45	393,145.70	605,739.87
	3,491.00	1.67	83.35	3,484.63	476.63	-3.17	129.45	129.44	1.49	393,146.63	605,745.45
	3,615.00	2.11	91.93	3,608.57	600.57	-3.04	133.53	133.52	0.42	393,146.76	605,749.53
	3,739.00	0.97	102.34	3,732.52	724.52	-3.34	136.84	136.82	0.94	393,146.46	605,752.84
	3,894.00	0.70	107.85	3,887.50	879.50	-3.91	139.02	139.00	0.18	393,145.89	605,755.02
	4,049.00	0.88	100.27	4,042.49	1,034.49	-4.41	141.09	141.07	0.13	393,145.39	605,757.09
	4,204.00	1.23	111.16	4,197.46	1,189.46	-5.23	143.81	143.79	0.26	393,144.57	605,759.81
	4,359.00	1.58	119.53	4,352.42	1,344.42	-6.88	147.22	147.20	0.26	393,142.92	605,763.22
	4,514.00	1.85	124.47	4,507.35	1,499.35	-9.35	151.15	151.11	0.20	393,140.45	605,767.15
	4,670.00	0.97	75.66	4,663.30	1,655.30	-10.45	154.50	154.46	0.91	393,139.35	605,770.50
	4,825.00	0.97	75.05	4,818.28	1,810.28	-9.78	157.04	157.01	0.01	393,140.02	605,773.04
	4,980.00	1.41	78.29	4,973.25	1,965.25	-9.06	160.18	160.14	0.29	393,140.74	605,776.18
	5,099.00	1.85	118.64	5,092.20	2,084.20	-9.68	163.29	163.26	1.01	393,140.12	605,779.29
	5,291.00	1.76	148.40	5,284.11	2,276.11	-13.68	167.56	167.51	0.48	393,136.12	605,783.56
	5,495.00	1.76	148.40	5,488.01	2,480.01	-19.02	170.84	170.78	0.00	393,130.78	605,786.84

StraightLine Proj to Bit @ 5495'WD



Pathfinder Energy Services
Pathfinder X & Y Survey Report



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Well:	#1H	North Reference:	Grid
Wellbore:	Pilot Hole	Survey Calculation Method:	Minimum Curvature
Design:	Pilot Hole	Database:	Midland Database

Targets	Target Name	hit/miss target	-Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
	PBHL(Pilot Hole)			0.00	0.00	4,500.00	0.50	142.00	393,150.300	605,758.000	32° 4' 49.533 N	103° 59' 30.751 W
	- survey misses by 13.20ft at 4506.27ft MD (4499.62 TVD, -9.21 N, 150.94 E)											
	- Point											

Survey Annotations	Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
	5,495.00	5,488.01	-19.02	170.84	StraightLine Proj to Bit @ 5495' MD

Checked By: _____	Approved By: _____	Date: _____
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