

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised Feb. 26, 2007

HOBBS OCD

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to Appropriate District Office
5 Copies

MAY 19 2011

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address EOG Resources, Inc. P.O. Box 2267 Midland, TX 79702		² OGRID Number 7377
		³ Reason for Filing Code/Effective Date NW 4/2011
⁴ API Number 30-0 25-39983	⁵ Pool Name Red Hills; Bone Spring	
	⁶ Pool Code 51020	
⁷ Property Code	⁸ Property Name Joly 16 State Com	⁹ Well Number 1H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
F	16	25S	34E		2470	North	2210	West	Lea

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
K	9	25S	34E		2258	South	2223	West	Lea
¹² Lse Code F	¹³ Producing Method Code Gas Lift	¹⁴ Gas Connection Date 4/29/11	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
34053	Plains Marketing, L.P.	Oil
241472	Southern Union Gas Services, LTD.	Gas

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBDT	²⁵ Perforations	²⁶ DHC, MC
1/6/11	4/29/11	14065 M 9467 V	13956	9816 - 13949	
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17-1/2	13-3/8	1020	725 C		
12-1/4	9-5/8	5162	1325 C		
7-7/8	5-1/2	14065	175 C, 1735 H		

V. Well Test Data

³¹ Date New Oil 4/29/11	³² Gas Delivery Date 4/29/11	³³ Test Date 5/16/11	³⁴ Test Length 24	³⁵ Tbg. Pressure 250	³⁶ Csg. Pressure 950
³⁷ Choke Size Open	³⁸ Oil 321	³⁹ Water 1139	⁴⁰ Gas 646		⁴¹ Test Method Gas Lift
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Stan Wagner</i>			OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i> Title: PETROLEUM ENGINEER Approval Date: JUN 10 2011		
Printed name: Stan Wagner					
Title: Regulatory Analyst					
E-mail Address					
Date: 5/18/2011		Phone: 432-686-3689			

Joly 16 State Com #1H Frac Summary

Stage	Cluster MD	Distance Between Clusters	# Perfs	15% HCl gals	Clean Mgals	SW Mgals	Gel Mgals	Slurry Mgals	Mlbs Prop	Mlbs 100 mesh	Mlbs 40/70
1	13,949		18	3150	322	180	151	333	252	95	157
	13,840	109	18								
	13,731	109	18								
2	13,622	109	18	6300	212	108	82	207	240	97	143
	13,504	118	18								
	13,404	100	18								
3	13,295	109	18	6510	213	109	85	212	247	96	151
	13,192	103	18								
	13,077	115	18								
4	12,962	115	18	6300	224	112	85	215	254	101	153
	12,859	103	18								
	12,750	109	18								
5	12,626	124	18	6300	205	103	84	201	229	81	148
	12,532	94	18								
	12,420	112	18								
6	12,316	104	18	6300	224	122	88	223	286	121	165
	12,205	111	18								
	12,086	119	18								
7	11,960	126	18	6300	217	105	87	205	227	83	144
	11,878	82	18								
	11,774	104	18								
8	11,660	114	18	6300	222	111	109	223	263	93	170
	11,544	116	18								
	11,442	102	18								
9	11,333	109	18	6300	227	108	102	223	278	95	183
	11,232	101	18								
	11,115	117	18								
10	11,000	115	18	11340	240	104	89	205	257	94	163
	10,899	101	18								
	10,788	111	18								
11	10,667	121	18	4830	228	122	93	232	297	122	175
	10,570	97	18								
	10,461	109	18								
12	10,356	105	18	4830	222	113	95	220	285	108	178
	10,243	113	18								
	10,126	117	18								
13	10,025	101	18	9828	258	140	105	262	372	158	214
	9,916	109	18								
	9,816	100	18								

Totals:

Water 3014 Mgals

SW 1537 Mgals

Gel 1255 Mgals

15% HCl 84.588 Mgals Counted

80 Mgal Mixed

100 mesh 1305920#

40/70 1989180#

Total 3295100#



EOG Resources, Inc.

Lea County
July 16 State Com
#1H
OH

HOBBSOCD

JUN 09 2011

RECEIVED

Survey: MWD #2

Pathfinder X & Y Survey Report

31 January, 2011

30-025-39983

PATHFINDER
A Schlumberger Company

Company: Project: EOG Resources, Inc. Site: Lea County Well: July 16 State Com Wellbore: #1H Design: OH	Local Co-ordinate Reference: TVD Reference: WELL @ 3380.80usft (Cactus #123) MD Reference: WELL @ 3380.80usft (Cactus #123) North Reference: Grid Survey Calculation Method: Minimum Curvature Database: EDM 5000.1 Single User Db	Well #1H WELL @ 3380.80usft (Cactus #123) Grid Minimum Curvature EDM 5000.1 Single User Db	
Project Lea 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 July 16 State Com			
Site Position: From: Map Position Uncertainty: 0.00 usft		Northing: 412,381.500 usft Easting: 765,445.100 usft Slot Radius: 13-3/16" Latitude: 32° 7' 51.056 N Longitude: 103° 28' 33.017 W Grid Convergence: 0.46°	
Well #1H		Northing: 412,381.500 usft Easting: 765,445.100 usft Wellhead Elevation: usft Latitude: 32° 7' 51.056 N Longitude: 103° 28' 33.017 W Ground Level: 3,350.80 usft	
Wellbore OH			
Magnetics Model Name Sample Date IGRF200510 08/16/10		Declination (°) Dip Angle (°) Field Strength (nT) 7.62 60.16 48,687	
Design OH			
Audit Notes:			
Version: 1.0 Phase: ACTUAL Tie On Depth: 0.00		Depth From (TVD) (usft) +N/S (usft) +E/W (usft) Direction (°) 0.00 0.00 359.53	
Survey Program From (usft) To (usft) Date 01/31/11 Survey (Wellbore) 196.00 9,805.00 MWD (OH) MWD - Standard			

Company: EOG Resources, Inc.			Local Co-ordinate Reference:			Well #1H				
Project: Lea County			TVD Reference:			WELL @ 3380.80usft (Cactus #123)				
Site: July 16 State Com			MD Reference:			WELL @ 3380.80usft (Cactus #123)				
Well: #1H			North Reference:			Grid				
Wellbore: OH			Survey Calculation Method:			Minimum Curvature				
Design: OH			Database:			EDM 5000.1 Single User Db				
Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.00	0.00	0.00	0.00	3,380.80	0.00	0.00	0.00	0.00	412,381.50	765,445.10
196.00	0.40	97.13	196.00	3,184.80	-0.08	0.68	-0.09	0.20	412,381.42	765,445.78
360.00	0.08	95.63	360.00	3,020.80	-0.17	1.36	-0.18	0.20	412,381.33	765,446.46
545.00	0.01	334.73	545.00	2,835.80	-0.17	1.48	-0.18	0.05	412,381.33	765,446.58
737.00	0.05	207.13	737.00	2,643.80	-0.22	1.44	-0.24	0.03	412,381.28	765,446.54
921.00	0.04	178.23	921.00	2,459.80	-0.36	1.40	-0.37	0.01	412,381.14	765,446.50
983.00	0.50	155.03	983.00	2,397.80	-0.63	1.52	-0.64	0.75	412,380.87	765,446.62
1,154.00	0.97	89.57	1,153.98	2,226.82	-1.29	3.28	-1.32	0.52	412,380.21	765,448.38
1,246.00	1.14	64.00	1,245.97	2,134.83	-0.89	4.88	-0.93	0.54	412,380.61	765,449.98
1,339.00	1.23	61.09	1,338.95	2,041.85	0.00	6.59	-0.05	0.12	412,381.50	765,451.69
1,430.00	1.14	64.26	1,429.93	1,950.87	0.87	8.26	0.80	0.12	412,382.37	765,453.36
1,553.00	1.49	55.03	1,552.90	1,827.90	2.32	10.67	2.23	0.33	412,383.82	765,455.77
1,647.00	1.67	60.22	1,646.86	1,733.94	3.70	12.86	3.59	0.24	412,385.20	765,457.96
1,742.00	0.44	33.94	1,741.84	1,638.96	4.69	14.26	4.57	1.36	412,386.19	765,459.36
1,837.00	0.18	359.48	1,836.84	1,543.96	5.14	14.47	5.02	0.33	412,386.64	765,459.57
1,931.00	0.09	239.16	1,930.84	1,449.96	5.25	14.40	5.13	0.25	412,386.75	765,459.50
2,027.00	0.35	237.58	2,026.84	1,353.96	5.05	14.09	4.94	0.27	412,386.55	765,459.19
2,121.00	0.44	293.39	2,120.84	1,259.96	5.04	13.52	4.93	0.40	412,386.54	765,458.62
2,215.00	0.35	251.11	2,214.84	1,165.96	5.09	12.91	4.99	0.32	412,386.59	765,458.01
2,309.00	0.35	261.13	2,308.84	1,071.96	4.95	12.36	4.85	0.07	412,386.45	765,457.46
2,403.00	0.70	281.08	2,402.83	977.97	5.02	11.51	4.93	0.41	412,386.52	765,456.61
2,497.00	0.44	323.89	2,496.83	883.97	5.42	10.73	5.33	0.51	412,386.92	765,455.83
2,592.00	0.35	348.23	2,591.82	788.98	6.00	10.46	5.92	0.20	412,387.50	765,455.56
2,686.00	0.44	11.44	2,685.82	694.98	6.64	10.47	6.55	0.19	412,388.14	765,455.57
2,782.00	0.44	36.05	2,781.82	598.98	7.30	10.76	7.21	0.20	412,388.80	765,455.86
2,877.00	0.18	5.81	2,876.82	503.98	7.74	10.99	7.65	0.31	412,389.24	765,456.09
2,971.00	0.35	48.17	2,970.82	409.98	8.08	11.22	7.99	0.26	412,389.58	765,456.32



Pathfinder

Pathfinder X & Y Survey Report



A Schlumberger Company

Company: EOG Resources, Inc.			Local Co-ordinate Reference:				Well #1H			
Project: Lea County			TVD Reference:				WELL @ 3380.80usft (Cactus #123)			
Site: July 16 State Com			MD Reference:				WELL @ 3380.80usft (Cactus #123)			
Well: #1H			North Reference:				Grid			
Wellbore: OH			Survey Calculation Method:				Minimum Curvature			
Design: OH			Database:				EDM 5000.1 Single User Db			
Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	D/Leg (°/100usft)	Northing (usft)	Easting (usft)
3,066.00	0.70	80.69	3,065.81	314.99	8.36	12.01	8.27	0.47	412,389.86	765,457.11
3,160.00	1.14	75.16	3,159.80	221.00	8.70	13.48	8.59	0.48	412,390.20	765,458.58
3,254.00	1.76	82.63	3,253.77	127.03	9.12	15.82	8.99	0.69	412,390.62	765,460.92
3,349.00	1.32	92.91	3,348.74	32.06	9.25	18.36	9.10	0.55	412,390.75	765,463.46
3,443.00	0.79	98.27	3,442.72	-61.92	9.11	20.08	8.94	0.57	412,390.61	765,465.18
3,537.00	0.70	79.90	3,536.71	-155.91	9.11	21.29	8.94	0.27	412,390.61	765,466.39
3,632.00	0.62	95.55	3,631.71	-250.91	9.16	22.37	8.98	0.21	412,390.66	765,467.47
3,727.00	0.44	32.18	3,726.70	-345.90	9.42	23.07	9.23	0.61	412,390.92	765,468.17
3,821.00	0.44	296.47	3,820.70	-439.90	9.89	22.94	9.70	0.69	412,391.39	765,468.04
3,916.00	0.35	348.15	3,915.70	-534.90	10.34	22.56	10.15	0.37	412,391.84	765,467.66
4,009.00	0.62	34.55	4,008.70	-627.90	11.03	22.79	10.84	0.49	412,392.53	765,467.89
4,104.00	1.67	224.92	4,103.69	-722.89	10.47	22.10	10.29	2.40	412,391.97	765,467.20
4,197.00	1.06	14.25	4,196.67	-815.87	10.35	21.35	10.17	2.84	412,391.85	765,466.45
4,292.00	1.06	347.36	4,291.66	-910.86	12.06	21.38	11.88	0.52	412,393.56	765,466.48
4,387.00	1.49	312.29	4,386.64	-1,005.84	13.74	20.27	13.58	0.92	412,395.24	765,465.37
4,481.00	0.35	35.08	4,480.62	-1,099.82	14.80	19.53	14.64	1.58	412,396.30	765,464.63
4,576.00	1.67	92.21	4,575.61	-1,194.81	14.99	21.08	14.81	1.59	412,396.49	765,466.18
4,670.00	1.85	103.02	4,669.56	-1,288.76	14.59	23.93	14.39	0.40	412,396.09	765,469.03
4,765.00	0.88	123.06	4,764.54	-1,383.74	13.85	26.04	13.63	1.12	412,395.35	765,471.14
4,860.00	1.67	124.11	4,859.51	-1,478.71	12.67	27.79	12.44	0.83	412,394.17	765,472.89
4,955.00	2.02	121.92	4,954.46	-1,573.66	11.01	30.36	10.76	0.38	412,392.51	765,475.46
5,050.00	1.76	117.52	5,049.41	-1,668.61	9.45	33.07	9.18	0.31	412,390.95	765,478.17
5,110.00	1.41	106.01	5,109.39	-1,728.59	8.82	34.60	8.54	0.79	412,390.32	765,479.70
5,202.00	1.06	119.19	5,201.37	-1,820.57	8.10	36.43	7.80	0.49	412,389.60	765,481.53
5,296.00	1.06	111.02	5,295.35	-1,914.55	7.36	38.00	7.05	0.16	412,388.86	765,483.10
5,391.00	0.62	141.16	5,390.34	-2,009.54	6.64	39.15	6.32	0.64	412,388.14	765,484.25
5,486.00	0.62	142.66	5,485.34	-2,104.54	5.84	39.78	5.51	0.02	412,387.34	765,484.88



Pathfinder

Pathfinder X & Y Survey Report



A Schlumberger Company

Company: EOG Resources, Inc.
Project: Lea County
Site: July 16 State Corn
Well: #1H
Wellbore: OH
Design: OH

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

Well #1H
WELL @ 3380.80ustf (Cactus #123)
WELL @ 3380.80ustf (Cactus #123)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Survey	MD (ustf)	Inc (°)	Azi (°)	TVD (ustf)	TVDSS (ustf)	N/S (ustf)	E/W (ustf)	V. Sec (ustf)	Dleg (°/100ustf)	Northing (ustf)	Easting (ustf)
	5,581.00	0.70	158.30	5,580.33	-2,199.53	4.89	40.31	4.56	0.21	412,386.39	765,485.41
	5,676.00	0.88	145.73	5,675.32	-2,294.52	3.75	40.93	3.41	0.26	412,385.25	765,486.03
	5,771.00	0.70	148.46	5,770.31	-2,389.51	2.65	41.65	2.31	0.19	412,384.15	765,486.75
	5,865.00	0.26	135.19	5,864.31	-2,483.51	2.01	42.10	1.66	0.48	412,383.51	765,487.20
	5,959.00	0.44	159.97	5,958.31	-2,577.51	1.52	42.37	1.17	0.25	412,383.02	765,487.47
	6,054.00	0.26	183.35	6,053.30	-2,672.50	0.96	42.48	0.61	0.24	412,382.46	765,487.58
	6,148.00	0.26	156.46	6,147.30	-2,766.50	0.55	42.56	0.20	0.13	412,382.05	765,487.66
	6,243.00	0.18	193.19	6,242.30	-2,861.50	0.21	42.61	-0.14	0.17	412,381.71	765,487.71
	6,337.00	0.18	248.65	6,336.30	-2,955.50	0.01	42.44	-0.34	0.18	412,381.51	765,487.54
	6,432.00	0.26	247.78	6,431.30	-3,050.50	-0.13	42.10	-0.47	0.08	412,381.37	765,487.20
	6,526.00	0.26	222.81	6,525.30	-3,144.50	-0.36	41.76	-0.71	0.12	412,381.14	765,486.86
	6,621.00	0.35	226.24	6,620.30	-3,239.50	-0.72	41.40	-1.06	0.10	412,380.78	765,486.50
	6,716.00	0.26	248.04	6,715.30	-3,334.50	-1.00	40.99	-1.34	0.15	412,380.50	765,486.09
	6,811.00	0.53	270.19	6,810.30	-3,429.50	-1.08	40.35	-1.41	0.32	412,380.42	765,485.45
	6,905.00	0.53	271.68	6,904.29	-3,523.49	-1.07	39.48	-1.39	0.01	412,380.43	765,484.58
	7,000.00	0.44	280.73	6,999.29	-3,618.49	-0.99	38.68	-1.30	0.12	412,380.51	765,483.78
	7,094.00	0.79	280.21	7,093.28	-3,712.48	-0.80	37.69	-1.11	0.37	412,380.70	765,482.79
	7,189.00	0.70	267.90	7,188.28	-3,807.48	-0.71	36.47	-1.01	0.19	412,380.79	765,481.57
	7,284.00	0.62	270.27	7,283.27	-3,902.47	-0.73	35.37	-1.02	0.09	412,380.77	765,480.47
	7,378.00	0.70	265.88	7,377.26	-3,996.46	-0.77	34.29	-1.05	0.10	412,380.73	765,479.39
	7,472.00	0.44	264.03	7,471.26	-4,090.46	-0.85	33.36	-1.12	0.28	412,380.65	765,478.46
	7,567.00	0.79	252.26	7,566.25	-4,185.45	-1.08	32.37	-1.35	0.39	412,380.42	765,477.47
	7,662.00	0.62	253.66	7,661.25	-4,280.45	-1.43	31.26	-1.68	0.18	412,380.07	765,476.36
	7,756.00	0.70	244.17	7,755.24	-4,374.44	-1.82	30.25	-2.07	0.14	412,379.68	765,475.35
	7,851.00	0.70	243.91	7,850.23	-4,469.43	-2.33	29.21	-2.57	0.00	412,379.17	765,474.31
	7,945.00	1.06	227.12	7,944.22	-4,563.42	-3.17	28.06	-3.40	0.47	412,378.33	765,473.16
	8,040.00	1.06	206.90	8,039.20	-4,658.40	-4.56	27.01	-4.78	0.39	412,376.94	765,472.11

COMPASS 5000.1 Build 42

Company: EOG Resources, Inc.
Project: Lea County
Site: July 16 State Com
Well: #1H
Wellbore: OH
Design: OH

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

Well #1H
WELL @ 3380.80usft (Cactus #123)
WELL @ 3380.80usft (Cactus #123)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Survey	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
	9,537.00	56.37	358.17	9,454.04	-6,073.24	222.47	-14.89	222.58	12.59	412,603.97	765,430.21
	9,568.00	59.79	0.01	9,470.43	-6,089.63	248.77	-15.30	248.89	12.13	412,630.27	765,429.80
	9,600.00	63.75	1.86	9,485.56	-6,104.76	276.95	-14.83	277.06	13.38	412,658.45	765,430.27
	9,632.00	68.50	2.74	9,498.51	-6,117.71	306.18	-13.65	306.28	15.06	412,687.68	765,431.45
	9,663.00	73.25	2.65	9,508.66	-6,127.86	335.43	-12.28	335.52	15.33	412,716.93	765,432.82
	9,694.00	77.03	2.82	9,516.61	-6,135.81	365.35	-10.85	365.43	12.21	412,746.85	765,434.25
	9,726.00	81.60	2.38	9,522.54	-6,141.74	396.76	-9.42	396.82	14.34	412,778.26	765,435.68
	9,758.00	84.50	2.56	9,528.42	-6,145.62	428.49	-8.05	428.54	9.08	412,809.99	765,437.05
	9,789.00	87.76	2.03	9,528.51	-6,147.71	459.39	-6.81	459.43	10.65	412,840.89	765,438.29
	9,821.00	92.77	1.68	9,528.36	-6,147.56	491.36	-5.78	491.39	15.69	412,872.86	765,439.32
	9,858.00	95.23	2.30	9,525.78	-6,144.98	528.25	-4.50	528.27	6.86	412,909.75	765,440.60
	9,952.00	92.51	359.83	9,519.43	-6,138.63	622.00	-2.76	622.00	3.90	413,003.50	765,442.34
	10,046.00	90.48	0.71	9,516.98	-6,136.18	715.96	-2.31	715.96	2.35	413,097.46	765,442.79
	10,141.00	89.52	2.12	9,516.98	-6,136.18	810.93	0.03	810.90	1.80	413,192.43	765,445.13
	10,235.00	90.13	7.22	9,517.27	-6,136.47	904.58	7.68	904.49	5.46	413,286.08	765,452.78
	10,331.00	91.71	6.78	9,515.73	-6,134.93	999.85	19.38	999.66	1.71	413,381.35	765,464.48
	10,427.00	91.10	4.76	9,513.37	-6,132.57	1,095.33	29.03	1,095.06	2.20	413,476.83	765,474.13
	10,522.00	90.22	5.64	9,512.28	-6,131.48	1,189.93	37.64	1,189.59	1.31	413,571.43	765,482.74
	10,586.00	90.84	1.42	9,511.69	-6,130.89	1,253.80	41.58	1,253.41	6.66	413,635.30	765,486.68
	10,618.00	90.75	358.69	9,511.24	-6,130.44	1,285.79	41.61	1,285.40	8.54	413,667.29	765,486.71
	10,650.00	88.81	355.35	9,511.37	-6,130.57	1,317.74	39.94	1,317.37	12.07	413,699.24	765,485.04
	10,681.00	88.64	354.74	9,512.06	-6,131.26	1,348.62	37.27	1,348.26	2.04	413,730.12	765,482.37
	10,713.00	89.78	354.12	9,512.50	-6,131.70	1,380.46	34.16	1,380.13	4.06	413,761.96	765,479.26
	10,745.00	91.01	355.27	9,512.28	-6,131.48	1,412.32	31.20	1,412.02	5.26	413,793.82	765,476.30
	10,777.00	91.10	355.44	9,511.69	-6,130.89	1,444.21	28.61	1,443.93	0.60	413,825.71	765,473.71
	10,809.00	91.01	355.35	9,511.10	-6,130.30	1,476.10	26.04	1,475.84	0.40	413,857.60	765,471.14
	10,905.00	91.80	354.83	9,508.74	-6,127.94	1,571.72	17.83	1,571.52	0.99	413,953.22	765,462.93

Company: EOG Resources, Inc.			Local Co-ordinate Reference:					Well #1H		
Project: Lea County			TVD Reference:					WELL @ 3380.80usft (Cactus #123)		
Site: July 16 State Com			MD Reference:					WELL @ 3380.80usft (Cactus #123)		
Well: #1H			North Reference:					Grid		
Wellbore: OH			Survey Calculation Method:					Minimum Curvature		
Design: OH			Database:					EDM 5000.1 Single User Db		
Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
11,000.00	89.34	353.95	9,507.80	-6,127.00	1,666.25	8.54	1,666.13	2.75	414,047.75	765,453.64
11,095.00	90.57	354.56	9,507.87	-6,127.07	1,760.77	-0.97	1,760.72	1.45	414,142.27	765,444.13
11,191.00	90.75	358.78	9,506.77	-6,125.97	1,856.58	-6.54	1,856.57	4.40	414,238.08	765,438.56
11,286.00	91.54	0.01	9,504.87	-6,124.07	1,951.56	-7.54	1,951.55	1.54	414,333.06	765,437.56
11,382.00	91.36	359.83	9,502.44	-6,121.64	2,047.53	-7.68	2,047.52	0.27	414,429.03	765,437.42
11,478.00	90.57	355.88	9,500.82	-6,120.02	2,143.42	-11.27	2,143.45	4.20	414,524.92	765,433.83
11,573.00	90.75	355.97	9,499.73	-6,118.93	2,238.18	-18.02	2,238.25	0.21	414,619.68	765,427.08
11,669.00	93.12	0.45	9,496.48	-6,115.68	2,334.05	-21.02	2,334.14	5.28	414,715.55	765,424.08
11,765.00	92.24	0.71	9,492.00	-6,111.20	2,429.93	-20.05	2,430.02	0.96	414,811.43	765,425.05
11,861.00	91.71	0.28	9,488.69	-6,107.89	2,525.87	-19.22	2,525.95	0.71	414,907.37	765,425.88
11,957.00	89.43	0.28	9,487.73	-6,106.93	2,621.86	-18.75	2,621.93	2.37	415,003.36	765,426.35
12,052.00	89.96	0.54	9,488.24	-6,107.44	2,716.86	-18.07	2,716.91	0.62	415,098.36	765,427.03
12,148.00	90.22	359.66	9,488.09	-6,107.29	2,812.86	-17.90	2,812.91	0.96	415,194.36	765,427.20
12,244.00	90.13	0.45	9,487.79	-6,106.99	2,908.85	-17.81	2,908.90	0.83	415,290.35	765,427.29
12,340.00	90.48	0.45	9,487.28	-6,106.48	3,004.85	-17.06	3,004.89	0.36	415,386.35	765,428.04
12,436.00	91.28	3.88	9,485.81	-6,105.01	3,100.75	-13.43	3,100.76	3.67	415,482.25	765,431.67
12,531.00	88.55	0.80	9,485.95	-6,105.15	3,195.66	-9.55	3,195.63	4.33	415,577.16	765,435.55
12,627.00	89.08	0.28	9,487.93	-6,107.13	3,291.63	-8.65	3,291.59	0.77	415,673.13	765,436.45
12,723.00	91.45	0.10	9,487.49	-6,106.69	3,387.62	-8.33	3,387.58	2.48	415,769.12	765,436.77
12,819.00	91.80	359.92	9,484.77	-6,103.97	3,483.58	-8.31	3,483.53	0.41	415,865.08	765,436.79
12,914.00	92.51	359.92	9,481.20	-6,100.40	3,578.51	-8.45	3,578.46	0.75	415,960.01	765,436.65
13,010.00	91.71	2.12	9,477.66	-6,096.86	3,674.43	-6.74	3,674.36	2.44	416,055.93	765,438.36
13,105.00	90.40	5.99	9,475.91	-6,095.11	3,769.15	-0.02	3,769.03	4.30	416,150.65	765,445.08
13,201.00	89.60	4.23	9,475.91	-6,095.11	3,864.77	8.53	3,864.57	2.01	416,246.27	765,453.63
13,297.00	90.13	3.17	9,476.14	-6,095.34	3,960.57	14.72	3,960.31	1.23	416,342.07	765,459.82
13,391.00	90.22	2.12	9,475.85	-6,095.05	4,054.46	19.06	4,054.17	1.12	416,435.96	765,464.16
13,487.00	91.45	0.71	9,474.45	-6,093.65	4,150.42	21.43	4,150.10	1.95	416,531.92	765,466.53

Company: EOG Resources, Inc.			Local Co-ordinate Reference:			Well #1H				
Project: Lea County			TVD Reference:			WELL @ 3380.80usft (Cactus #123)				
Site: July 16 State Corn			MD Reference:			WELL @ 3380.80usft (Cactus #123)				
Well: #1H			North Reference:			Grid				
Wellbore: OH			Survey Calculation Method:			Minimum Curvature				
Design: OH			Database:			EDM 5000.1 Single User Db				
Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLog (°/100usft)	Northing (usft)	Easting (usft)
13,583.00	92.86	0.80	9,470.84	-6,090.04	4,246.34	22.69	4,246.01	1.47	416,627.84	765,467.79
13,678.00	90.22	0.89	9,468.29	-6,087.49	4,341.29	24.09	4,340.94	2.78	416,722.79	765,469.19
13,774.00	90.66	358.69	9,467.55	-6,086.75	4,437.28	23.74	4,436.93	2.34	416,818.78	765,468.84
13,870.00	91.10	357.64	9,466.08	-6,085.28	4,533.22	20.67	4,532.89	1.19	416,914.72	765,465.77
13,965.00	88.99	357.81	9,466.00	-6,085.20	4,628.14	16.90	4,627.84	2.23	417,009.84	765,462.00
14,065.00	88.99	357.81	9,467.77	-6,086.97	4,728.05	13.08	4,727.78	0.00	417,109.55	765,458.18
BHL-14065.00°MD,88.99°INC,357.81°AZI,9467.77TVD,4727.78°VS,4728.05°N,13.08°E - PBHL(july#1)										