

April 4, 2012

RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A RAILROAD OR ADMINISTRATIVE EXCEPTION LOCATION

The Railroad Commission of Texas
Oil & Gas Division
PO Drawer 12967
Capital Station
Austin, Texas 78711-2967

Attn: Pam Johns

RE: EOG Resources, Inc.
University 43, Well #0903H (Permit No. 729553)
Survey: UL / Not Available
Field: LIN (WOLFCAMP)
Irion County, TX
API Number: 42-235-34925

Dear Ms. Johns:

Please find enclosed the original and one copy of the survey performed on the above referenced well by MS Energy Services; RRC Operator No. 592474. Other information required by your office is as follows:

Name of Surveyor	Drainhole Number	Surveyed Depths	Date Performed	Type of Survey
Scott Culberson	Original	Surface - 725'	03/22/12	Rate Gyro

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

Larae Townsend
MS Survey

MS Directional | MS Guidance | MS Survey | MS Wireline

THE FOLLOWING RESTRICTIONS APPLY TO ALL LICENSED SURVEYS:
The well is to be used for determining, underground storage of liquid hydrocarbons in salt formations, or underground storage of gas in salt formations, a permit for that specific purpose must be obtained from Environmental Services prior to construction, including drilling, of the well in accordance with Statewide Rules 81, 95, and 97.



Job Number: SVCO-120397
 Company: EOG Resources, Inc.
 Lease/Well: University 43, Well #0903H
 Location: Irion County, TX
 Rig Name: Production
 RKB: 0'
 G.L. or M.S.L.: GL

State/Country: Texas/USA
 Declination: 6.80°
 Grid: East To Grid
 File name: F:\SURVEY\2012\SU-1\EOG\CONROE\UNIVER-1\430903H.SVY
 Date/Time: 23-Mar-12 / 09:32
 Curve Name: Surface - 725' M.D. (Rate Gyro)

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
200.00	.90	348.60	199.99	1.54	-.31	1.54	1.57	348.60	.45
400.00	.56	283.40	399.98	3.31	-1.57	3.31	3.66	334.57	.42
600.00	.32	177.56	599.97	2.97	-2.50	2.97	3.88	319.97	.36
Last Survey Depth Recorded									
725.00	.65	124.33	724.97	2.23	-1.90	2.23	2.93	319.54	.42



LEASE NAME & WELL NO.:

UNIVERSITY 43 #0903H

TOPOGRAPHY & VEGETATION:

NATURAL PASTURE

NEAREST TOWN IN COUNTY:

±4.5 MILES WEST OF BARNHART, TEXAS

This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us. This plat does not in any way represent a "Boundary Survey", and does not comply with correct I.B.P.L.S. Minimum Standards of Procedures for Boundary Surveys.

CERTIFICATION:



William J. Keating
Texas Reg. No. 5041

I, William J. Keating, a Registered Professional Land Surveyor, and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein. This plat is for Texas Railroad Commission permitting only.

TOPOGRAPHIC
SURVEYING • MAPPING • GIS • GPS

2903 N. 800 SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1863 (800) 767-1863 • FAX (432) 682-1743



LEGEND:

- X— Fence
- E— Powerline
- V— Water Line
- \— Pipeline
- == == == Lease Road

Surface Hole Location:

2100' FSL & 1404' FWL
SHL Ground Elevation: ± 2596'
X = 1715015 Y = 530950
LAT.: N 31.1233790 LONG.: W 101.2441323
NAD 83 TX-C ZONE
X = 2011482 Y = 10373528
LAT.: N 31.1235384 LONG.: W 101.2445239

Terminus Hole Location:

100' FNL & 1404' FWL (SEC. 2)
X = 1715032 Y = 539356
LAT.: N 31.1464902 LONG.: W 101.2442952
NAD 83 TX-C ZONE
X = 2011500 Y = 10381934
LAT.: N 31.1466487 LONG.: W 101.2446869

All Coordinates are in NAD 27 TX-C Zone unless otherwise noted.

ORIGINAL DOC. SIZE: 8.5"x14"

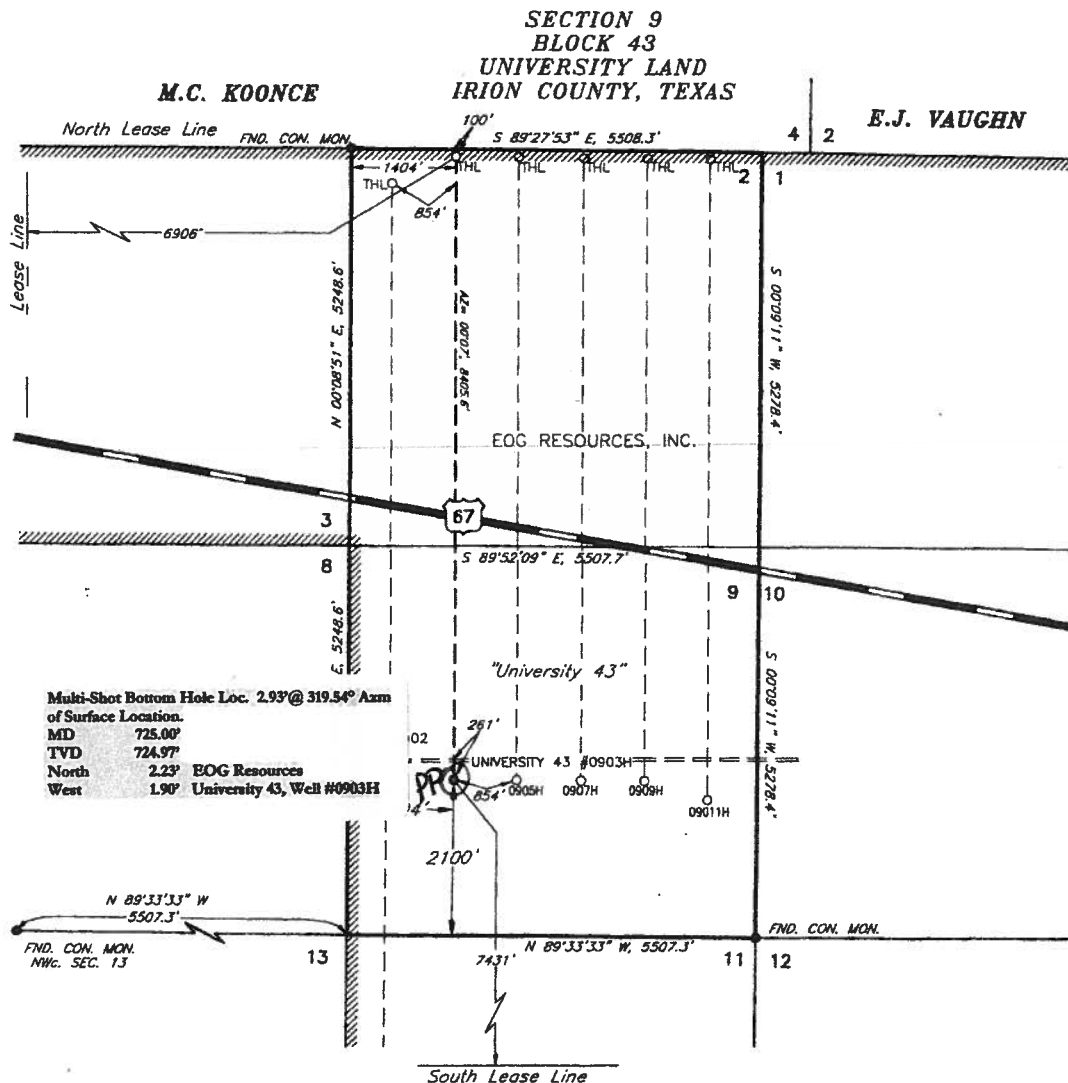
SCALE: 1" = 2000'

DATE: NOVEMBER 8, 2011

COGO: 518-124590

LO_UNIVERSITY43_0903H

DRAWN BY: A.C.P.





EOG Resources

Irion County, TX (NAD27 TC)

University 43

#0903H

OH - Job #32D0612721

Survey: MWD

SDI Standard Survey Report

08 August, 2012



Company:	EOG Resources	Local Co-ordinate Reference:	Well #0903H
Project:	Irion County, TX (NAD27 TC)	TVD Reference:	RF @ 2623.00usft (Patterson #452)
Site:	University 43	MD Reference:	RF @ 2623.00usft (Patterson #452)
Well:	#0903H	North Reference:	Grid
Wellbore:	OH - Job #32D0612721	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM-Regulatory

Project	Irion County, TX (NAD27 TC)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Texas Central 4203		

Site		University 43			
Site Position:		Northing:	530,944.00 usft	Latitude:	31° 7' 24.168 N
From:	Map	Easting:	1,715,828.00 usft	Longitude:	101° 14' 29.517 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	-0.47 °

Well	#0903H					
Well Position	+N/-S	0.00 usft	Northing:	530,950.00 usft	Latitude:	31° 7' 24.161 N
	+E/-W	0.00 usft	Easting:	1,715,015.00 usft	Longitude:	101° 14' 38.871 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	2,596.00 usft

Wellbore	OH - Job #32D0612721				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	05/30/12	6.29	59.52	48,092

Design	Actual				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	0.12	

Survey Program	Date				
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
227.00	752.00	MS Gyro (OH - Job #32D0612721)	UNKNOWN	Unknown survey	
883.00	14,935.00	MWD (OH - Job #32D0612721)	MWD	MWD - Standard ISCWSA	

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
752.00	0.65	124.33	751.97	2.43	-1.94	321.44	3.11
883.00	0.18	313.80	882.97	2.16	-1.48	325.63	2.61
1,067.00	0.35	156.79	1,066.97	1.84	-1.46	321.54	2.35
1,254.00	0.53	163.29	1,253.96	0.49	-0.99	296.25	1.10
1,445.00	0.44	146.77	1,444.95	-0.97	-0.33	198.89	1.03
1,636.00	0.70	126.91	1,635.94	-2.29	1.00	156.33	2.50
1,827.00	0.88	152.75	1,826.93	-4.29	2.61	148.72	5.02
2,017.00	1.06	147.12	2,016.90	-7.06	4.23	149.09	8.23
2,208.00	1.32	158.02	2,207.86	-10.59	6.01	150.41	12.18
2,399.00	2.11	142.29	2,398.77	-15.41	8.99	149.75	17.84
2,590.00	2.11	115.30	2,589.65	-19.69	14.32	143.99	24.35

Company:	EOG Resources	Local Co-ordinate Reference:	Well #0903H
Project:	Irion County, TX (NAD27 TC)	TVD Reference:	RF @ 2623.00usft (Patterson #452)
Site:	University 43	MD Reference:	RF @ 2623.00usft (Patterson #452)
Well:	#0903H	North Reference:	Grid
Wellbore:	OH - Job #32D0612721	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
2,780.00	2.55	93.95	2,779.49	-21.48	21.69	134.72	30.53
2,971.00	1.93	91.84	2,970.35	-21.88	29.15	126.89	36.44
3,162.00	0.70	50.44	3,161.30	-21.24	33.26	122.56	39.46
3,352.00	0.88	84.19	3,351.28	-20.35	35.61	119.75	41.01
3,543.00	1.06	68.11	3,542.25	-19.54	38.71	116.79	43.36
3,734.00	0.35	216.20	3,733.24	-19.35	40.00	115.82	44.44
3,925.00	0.53	309.54	3,924.24	-19.26	38.98	116.30	43.48
4,116.00	0.44	51.32	4,115.23	-18.24	38.87	115.14	42.94
4,307.00	0.88	80.15	4,306.22	-17.53	40.88	113.21	44.49
4,498.00	0.88	95.35	4,497.20	-17.42	43.79	111.69	47.13
4,689.00	0.35	110.21	4,688.19	-17.76	45.80	111.19	49.12
4,880.00	1.06	122.78	4,879.17	-18.91	47.83	111.58	51.44
5,071.00	1.14	111.70	5,070.14	-20.57	51.08	111.94	55.07
5,261.00	1.93	104.05	5,260.07	-22.05	55.94	111.51	60.13
5,452.00	1.41	102.47	5,450.99	-23.34	61.36	110.82	65.64
5,645.00	1.14	117.06	5,643.94	-24.72	65.38	110.71	69.90
5,834.00	1.06	95.53	5,832.90	-25.75	68.80	110.52	73.46
6,025.00	1.14	87.97	6,023.87	-25.85	72.46	109.64	76.93
6,160.00	0.88	87.88	6,158.85	-25.76	74.83	109.00	79.15
6,209.00	0.79	31.81	6,207.84	-25.46	75.39	108.66	79.57
6,241.00	3.78	344.26	6,239.82	-24.26	75.22	107.88	79.03
6,272.00	8.44	342.50	6,270.63	-21.11	74.26	105.87	77.20
6,304.00	12.57	351.99	6,302.09	-15.41	73.06	101.91	74.67
6,336.00	16.27	356.83	6,333.08	-7.49	72.33	95.91	72.72
6,368.00	19.35	357.53	6,363.54	2.29	71.85	88.18	71.89
6,400.00	22.51	357.44	6,393.43	13.71	71.35	79.13	72.66
6,431.00	26.91	357.09	6,421.58	26.65	70.73	69.36	75.58
6,463.00	31.13	357.36	6,449.56	42.15	69.98	58.94	81.69
6,495.00	34.29	357.62	6,476.48	59.42	69.23	49.36	91.23
6,527.00	37.90	359.55	6,502.33	78.26	68.77	41.31	104.19
6,559.00	42.03	1.49	6,526.85	98.81	68.98	34.92	120.50
6,590.00	45.90	2.37	6,549.16	120.31	69.71	30.09	139.05
6,622.00	48.89	2.54	6,570.82	143.84	70.72	26.18	160.29
6,654.00	52.76	0.87	6,591.03	168.63	71.44	22.96	183.14
6,686.00	57.07	359.55	6,609.42	194.81	71.53	20.16	207.53
6,717.00	62.43	358.15	6,625.04	221.57	70.99	17.76	232.67
6,749.00	67.36	357.09	6,638.61	250.52	69.78	15.56	260.05
6,781.00	71.40	357.36	6,649.88	280.42	68.33	13.69	288.63
6,813.00	75.71	356.83	6,658.93	311.07	66.77	12.11	318.15
6,845.00	79.40	357.18	6,665.83	342.27	65.14	10.78	348.41
6,876.00	83.01	357.80	6,670.57	372.87	63.80	9.71	378.29
6,945.00	87.05	358.06	6,676.54	441.55	61.32	7.91	445.79
7,040.00	89.43	359.03	6,679.46	536.47	58.91	6.27	539.69
7,136.00	90.75	359.03	6,679.31	632.45	57.28	5.18	635.04

Company:	EOG Resources	Local Co-ordinate Reference:	Well #0903H
Project:	Irion County, TX (NAD27 TC)	TVD Reference:	RF @ 2623.00usft (Patterson #452)
Site:	University 43	MD Reference:	RF @ 2623.00usft (Patterson #452)
Well:	#0903H	North Reference:	Grid
Wellbore:	OH - Job #32D0612721	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
7,231.00	90.13	356.21	6,678.58	727.36	53.34	4.19	729.31
7,327.00	87.93	357.80	6,680.21	823.20	48.32	3.36	824.62
7,422.00	88.37	357.36	6,683.27	918.07	44.31	2.76	919.14
7,518.00	89.43	1.93	6,685.12	1,014.02	43.72	2.47	1,014.96
7,613.00	90.40	1.75	6,685.26	1,108.97	46.77	2.41	1,109.96
7,709.00	90.92	0.43	6,684.15	1,204.95	48.60	2.31	1,205.93
7,804.00	89.87	359.82	6,683.50	1,299.94	48.80	2.15	1,300.86
7,900.00	89.43	359.73	6,684.08	1,395.94	48.43	1.99	1,396.78
7,995.00	91.71	357.97	6,683.14	1,490.90	46.52	1.79	1,491.63
8,091.00	93.21	357.97	6,679.02	1,586.75	43.12	1.56	1,587.34
8,186.00	91.01	358.94	6,675.52	1,681.65	40.56	1.38	1,682.14
8,282.00	90.75	358.32	6,674.05	1,777.61	38.27	1.23	1,778.02
8,377.00	90.84	0.26	6,672.73	1,872.59	37.09	1.13	1,872.95
8,473.00	89.52	0.52	6,672.43	1,968.58	37.75	1.10	1,968.94
8,568.00	90.66	359.90	6,672.28	2,063.58	38.09	1.06	2,063.93
8,664.00	89.43	357.53	6,672.20	2,159.55	35.94	0.95	2,159.85
8,759.00	89.87	0.70	6,672.78	2,254.52	34.47	0.88	2,254.78
8,855.00	88.99	1.13	6,673.74	2,350.50	36.01	0.88	2,350.78
8,950.00	91.28	0.17	6,673.51	2,445.49	37.08	0.87	2,445.77
9,046.00	91.10	359.03	6,671.52	2,541.46	36.41	0.82	2,541.73
9,141.00	91.19	358.59	6,669.62	2,636.42	34.44	0.75	2,636.65
9,237.00	90.75	0.78	6,667.99	2,732.40	33.91	0.71	2,732.61
9,332.00	89.25	355.69	6,667.99	2,827.32	30.99	0.63	2,827.49
9,424.00	89.60	1.66	6,668.92	2,919.25	28.86	0.57	2,919.40
9,516.00	89.16	2.98	6,669.91	3,011.17	32.59	0.62	3,011.35
9,608.00	88.72	0.52	6,671.62	3,103.10	35.40	0.65	3,103.31
9,701.00	90.31	1.84	6,672.40	3,196.08	37.31	0.67	3,196.29
9,793.00	90.04	0.87	6,672.12	3,288.05	39.49	0.69	3,288.29
9,885.00	89.16	359.20	6,672.77	3,380.04	39.54	0.67	3,380.27
9,977.00	89.43	1.93	6,673.90	3,472.02	40.45	0.67	3,472.26
10,069.00	90.04	5.62	6,674.32	3,563.81	46.51	0.75	3,564.11
10,161.00	87.93	4.91	6,675.95	3,655.40	54.95	0.86	3,655.81
10,253.00	88.20	3.07	6,679.06	3,747.12	61.34	0.94	3,747.62
10,345.00	88.46	0.43	6,681.74	3,839.03	64.15	0.96	3,839.56
10,438.00	88.81	358.59	6,683.96	3,931.99	63.36	0.92	3,932.50
10,533.00	90.84	359.64	6,684.25	4,026.98	61.89	0.88	4,027.45
10,628.00	90.13	359.11	6,683.44	4,121.97	60.85	0.85	4,122.41
10,724.00	90.75	358.06	6,682.71	4,217.93	58.48	0.79	4,218.34
10,819.00	88.81	353.40	6,683.07	4,312.64	51.41	0.68	4,312.94
10,915.00	90.48	355.77	6,683.67	4,408.20	42.35	0.55	4,408.40
11,010.00	88.55	354.89	6,684.47	4,502.87	34.62	0.44	4,503.01
11,106.00	88.90	357.88	6,686.61	4,598.65	28.57	0.36	4,598.74
11,201.00	88.90	2.72	6,688.43	4,693.60	29.07	0.35	4,693.69
11,297.00	89.08	2.54	6,690.12	4,789.48	33.47	0.40	4,789.60
11,392.00	89.16	1.66	6,691.58	4,884.41	36.95	0.43	4,884.55

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Well:	#0903H	North Reference:	Grid
Wellbore:	OH - Job #32D0612721	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
11,487.00	89.60	0.78	6,692.61	4,979.38	38.97	0.45	4,979.53
11,583.00	90.48	2.72	6,692.54	5,075.33	41.91	0.47	5,075.50
11,678.00	90.92	2.45	6,691.38	5,170.22	46.19	0.51	5,170.43
11,774.00	89.16	1.49	6,691.32	5,266.16	49.49	0.54	5,266.40
11,869.00	88.81	359.99	6,693.00	5,361.14	50.72	0.54	5,361.38
11,965.00	89.34	359.47	6,694.55	5,457.12	50.26	0.53	5,457.35
12,060.00	90.13	1.84	6,694.99	5,552.11	51.35	0.53	5,552.35
12,156.00	91.19	358.67	6,693.88	5,648.09	51.78	0.53	5,648.32
12,251.00	91.54	358.15	6,691.62	5,743.02	49.14	0.49	5,743.23
12,347.00	91.71	357.71	6,688.90	5,838.92	45.68	0.45	5,839.10
12,442.00	89.69	355.77	6,687.74	5,933.75	40.28	0.39	5,933.89
12,537.00	90.22	355.60	6,687.81	6,028.48	33.13	0.31	6,028.57
12,633.00	89.69	355.69	6,687.89	6,124.20	25.84	0.24	6,124.26
12,728.00	90.40	359.03	6,687.81	6,219.09	21.46	0.20	6,219.13
12,824.00	91.01	357.80	6,686.63	6,315.04	18.81	0.17	6,315.07
12,919.00	88.46	357.80	6,687.07	6,409.96	15.16	0.14	6,409.98
13,015.00	88.64	359.29	6,689.50	6,505.90	12.72	0.11	6,505.91
13,110.00	89.87	2.28	6,690.73	6,600.87	14.03	0.12	6,600.89
13,205.00	90.40	3.24	6,690.51	6,695.76	18.60	0.16	6,695.78
13,301.00	89.96	359.82	6,690.21	6,791.71	21.16	0.18	6,791.74
13,396.00	89.34	353.58	6,690.79	6,886.50	15.70	0.13	6,886.52
13,492.00	89.43	356.30	6,691.82	6,982.11	7.23	0.06	6,982.12
13,587.00	89.25	355.60	6,692.91	7,076.87	0.52	0.00	7,076.87
13,683.00	88.37	356.65	6,694.91	7,172.63	-5.96	359.95	7,172.63
13,778.00	88.72	356.30	6,697.32	7,267.42	-11.80	359.91	7,267.43
13,873.00	88.99	359.55	6,699.22	7,362.32	-15.24	359.88	7,362.34
13,969.00	90.13	359.73	6,699.96	7,458.32	-15.84	359.88	7,458.33
14,064.00	88.81	355.07	6,700.84	7,553.19	-20.15	359.85	7,553.21
14,160.00	88.81	359.11	6,702.83	7,649.02	-25.02	359.81	7,649.06
14,255.00	88.29	0.52	6,705.23	7,743.99	-25.33	359.81	7,744.03
14,351.00	88.46	357.53	6,707.96	7,839.92	-26.96	359.80	7,839.97
14,446.00	90.22	0.78	6,709.05	7,934.89	-28.36	359.80	7,934.94
14,542.00	90.04	359.03	6,708.83	8,030.89	-28.52	359.80	8,030.94
14,637.00	89.08	0.26	6,709.56	8,125.88	-29.11	359.79	8,125.93
14,733.00	88.37	2.45	6,711.70	8,221.82	-26.84	359.81	8,221.87
14,828.00	90.13	1.57	6,712.94	8,316.75	-23.51	359.84	8,316.78
14,885.00	90.84	1.13	6,712.46	8,373.73	-22.17	359.85	8,373.76
Last MWD Survey							
14,917.42	90.84	1.13	6,711.99	8,406.14	-21.53	359.85	8,406.17
PBHL-Univ 43 #0903H							
14,935.00	90.84	1.13	6,711.73	8,423.72	-21.18	359.86	8,423.74
Projection to Bit							

Company:	EOG Resources	Local Co-ordinate Reference:	Well #0903H
Project:	Irion County, TX (NAD27 TC)	TVD Reference:	RF @ 2623.00usft (Patterson #452)
Site:	University 43	MD Reference:	RF @ 2623.00usft (Patterson #452)
Well:	#0903H	North Reference:	Grid
Wellbore:	OH - Job #32D0612721	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM-Regulatory

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
	751.97			Gyro Tie-in
14,885.00	6,712.46	8,373.73	-22.17	Last MWD Survey
14,935.00	6,711.73	8,423.72	-21.18	Projection to Bit



University 43 #0903H
Irion County, TX (NAD27 TC)
Northing (Y) 530950.00
Easting (X) 1715015.00
Plan #3 vs Actual - 8-3/4" Hole



To convert Magnetic North to Grid, Add 6.76°

Asimuth to Grid North
True North: 0.47°
Magnetic North: 6.75°
Magnetic Field
Strength: 48091.5nT
Dip Angle: 58.52°
Date: 05/30/2012
Model: IGRF2010

WELL DETAILS: University 43 #0903H / As-Drilled

Ground Level: 2596.00
MD Reference RF @ 2623.00usft (Patterson #452)

+N-S	+E-W	Northing	Easting	Latitude	Longitude	Spot
0.00	0.00	530950.00	1715015.00	31° 7' 24.161 N	101° 14' 38.871 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Diag	TFace	VFace	Target
1	6180.00	0.88	87.89	6158.85	-25.76	74.83	0.00	0.00	-25.61	
2	6210.00	0.88	87.88	6208.84	-25.74	75.90	0.00	0.00	-25.58	
3	6264.05	88.50	359.55	6263.00	448.52	79.18	12.00	-85.34	448.78	
4	14913.97	89.50	359.55	6754.00	8406.00	17.00	0.00	0.00	8406.02	PBHL-Univ 43 #0903H

DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
PBHL-Univ 43 #0903H - plan hita target center	6754.00	8406.00	17.00	539356.00	1715032.00	31° 8' 47.365 N	101° 14' 39.467 W	Rectangle (Sides: L30.00 W150.00)

CASING DETAILS

TVD	MD	Name	Size
810.00		9 5/8"	9-5/8"

Julio C. Pina
Scientific Drilling
2034 Trade Drive
Midland, TX 79703

PROJECT DETAILS: Irion County, TX (NAD27 TC)

Geosic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Texas Central 4203
System Datum: Mean Sea Level

SITE DETAILS: University 43 #0903H / As-Drilled

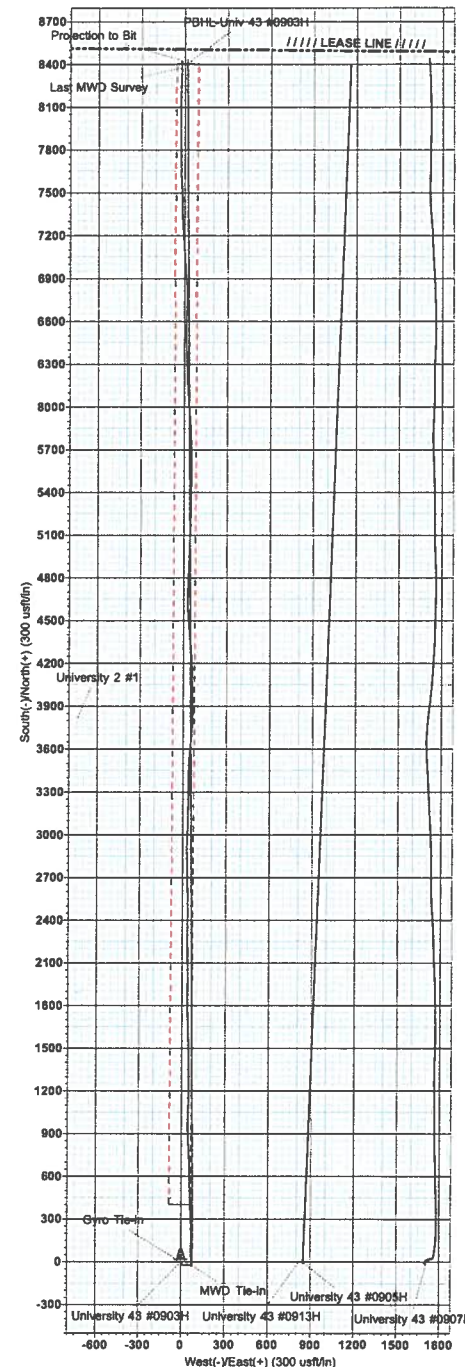
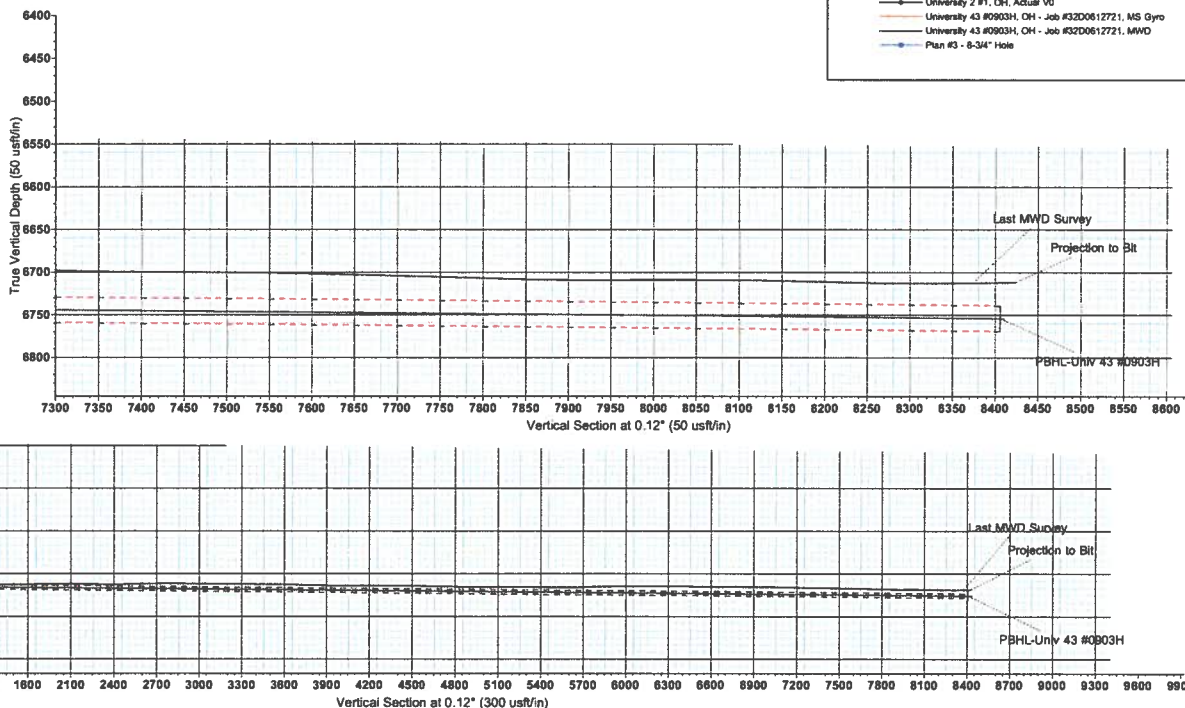
Site Centre Northing: 530950.00
Easting: 1715015.00
Positional Uncertainty: 0.00
Convergence: -0.47
Local North: Grid

Map System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone Name: Texas Central 4203
Local Origin: Well University 43 #0903H, Grid North
Latitude: 31° 7' 24.161 N
Longitude: 101° 14' 38.871 W
Grid East: 1715015.00
Grid North: 530950.00
Scale Factor: 1.000

Geomagnetic Model: IGRF2010
Sample Date: 30-May-12
Magnetic Declination: 6.29°
Dip Angle from Horizontal: 58.52°
Magnetic Field Strength: 48092
To convert Magnetic North to Grid, Add 6.76°
To convert Magnetic North to True North, Add 6.29° East
To convert True North to Grid, Add 0.47°

LEGEND

- University 43 #0903H, OH, Plan #1 - 8-3/4" Hole VO
- University 43 #0907H, OH - Job #3200612662, Actual VO
- University 2 #1, OH, Actual VO
- University 43 #0903H, OH - Job #3200612721, MS Gyro
- University 43 #0903H, OH - Job #3200612721, MWD
- Plan #3 - 8-3/4" Hole





LEASE NAME & WELL NO.:

UNIVERSITY 43 #0903H

TOPOGRAPHY & VEGETATION:

NATURAL PASTURE

NEAREST TOWN IN COUNTY:

±4.5 MILES WEST OF BARNHART, TEXAS

This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us. This plot does not in any way represent a "Boundary Survey", and does not comply with correct T.B.P.L.S. Minimum Standards of Procedures for Boundary Surveys.

CERTIFICATION ON:



William J. Keating
Texas Reg. No. 5041

I, William J. Keating, a Registered Professional Land Surveyor, and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein. This plot is for Texas Railroad Commission permitting only.

TOPOGRAPHIC
SURVEYING • MAPPING • GIS • GPS

2803 N. BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1853 (800) 787-1853 • FAX (432) 682-1743



LEGEND:

—X— Fence
—E— Powerline
—V— Water Line
—W— Pipeline
== == == Lease Road

Surface Hole Location:

2100' FSL & 1404' FWL
SHL Ground Elevation: ± 2596'
X = 1715015 Y = 530950
LAT.: N 31 1233790 LONG.: W 101.2441323
NAD 83 TX-C ZONE
X = 2011482 Y = 10373528
LAT.: N 31 1235384 LONG.: W 101.2445239

Terminus Hole Location:

100' FNL & 1404' FWL (SEC. 2)
X = 1715032 Y = 539356
LAT.: N 31 1464902 LONG.: W 101.2442952
NAD 83 TX-C ZONE
X = 2011500 Y = 10381934
LAT.: N 31 1466497 LONG.: W 101.2446869

All Coordinates are in NAD 27 TX-C Zone unless otherwise noted.

ORIGINAL DOC. SIZE: 8.5"x14"

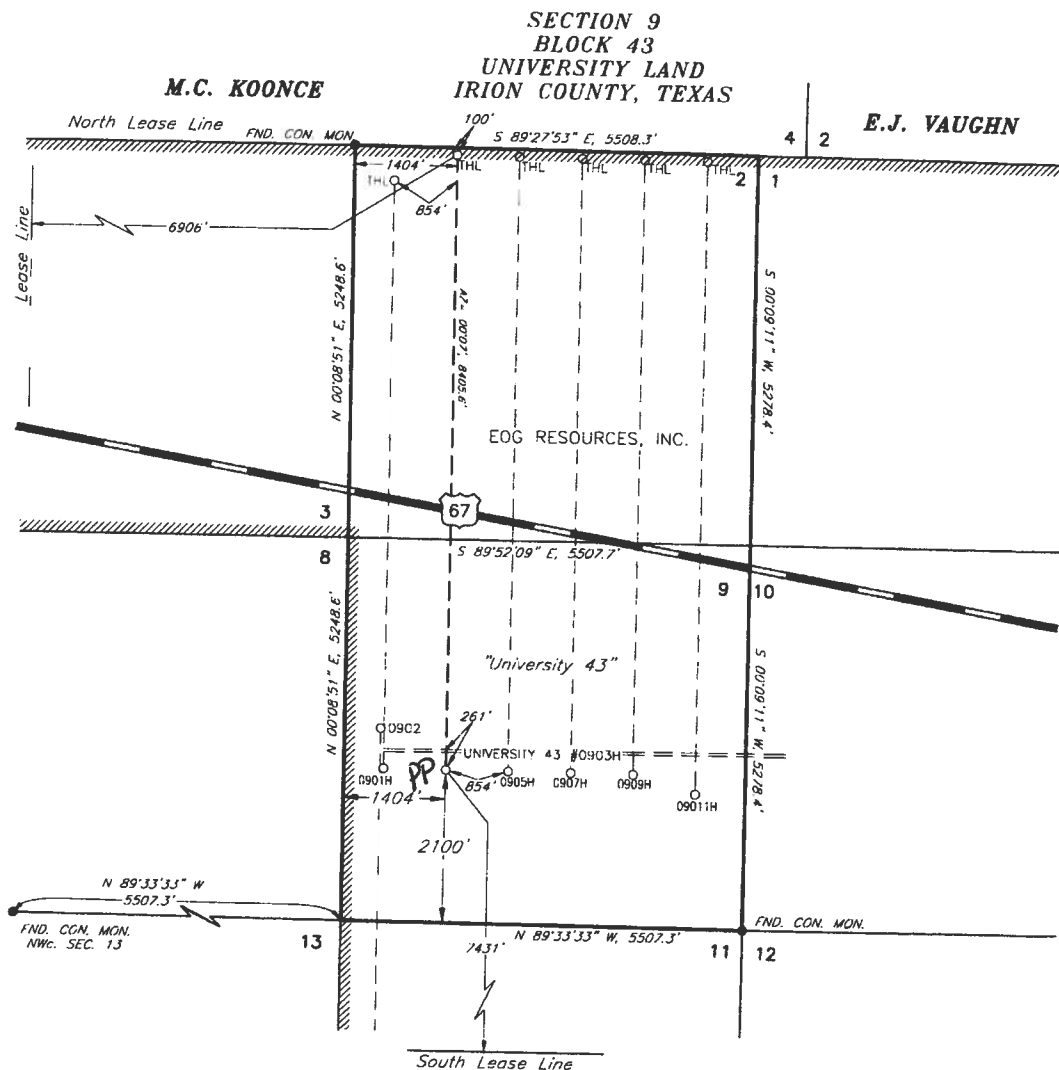
SCALE: 1" = 2000'

DATE: NOVEMBER 8, 2011

COGO: 518-124590

LO: UNIVERSITY43_0903H

DRAWN BY: A.C.P.



State of Texas

County of Montgomery

I, Scott Culberson, certify that; I am employed by MS Energy Services;
that I did on the day(s) of 3-22-12 through 3-22-12 conduct or supervise
the taking of Rate Gyro survey(s) from a depth of Surface feet to a depth
of 725' feet; that the data is true, correct, complete and within the limitations of the
tool set forth by MS Energy Services; that I am authorized and qualified to make this report; that
this survey(s) was / were conducted at the request of EOG Resources Inc.
for the University 43, well #0903H API No. 42-235-34928
in Trion County, Texas; and that I have reviewed this report and find that it
conforms to the principles and procedures as set forth by MS Energy Services.

Signature: Title: Surveyor



Scientific Drilling

Scientific Drilling International, Inc.

2034 Trade Drive • Midland, Texas 79706

P.O. Box 9699 • Midland, Texas 79708

Tel: 432-689-5600 • Fax: 432-697-0324

State of Texas
County of Midland

I, Justin Bounds, certify that; I am employed by Scientific Drilling International; that I did on the day(s) of 6/15/12 through 6/22/12 conduct or supervise the taking of a MWD survey from a depth of 883 feet to a depth of 14885 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Scientific Drilling International; that I am authorized and qualified to make this report; that this survey was conducted at the request of EOG Resources for the University 43 #0903H Well, API# 42-235-34925 in IRION County, Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Scientific Drilling International.


Field Technician