

Results of Directional Survey

API number:	30-025-40930		
OGRID:		Operator:	EOG RESOURCES INC
		Property:	DRAGON 36 STATE # 8H

surface	ULSTR:	P	36	T	24S	R	33E
				220	FSL	685	FEL

BH Loc	ULSTR:	A	36	T	24S	R	33E
14187	MD	9424.9	TVD	232	FNL	412	FEL
				5048	FSL		

Top Perf/OH	ULSTR:	P	36	T	24S	R	33E
9538	MD	9382.3	TVD	413	FSL	367	FEL

Bot Perf/OH	ULSTR:	A	36	T	24S	R	33E
14054	MD	9426.2	TVD	365	FNL	407	FEL
				4915	FSL		

	MD	N/S	E/W	VD
	9536	191.69	317.53	9381.46
TOP PERFS/OH	9538	193.49	317.53	9382.34
	9582	233.01	317.45	9401.66
	13964	4604.94	282.49	9426.15
BOT PERFS/OH	14054	4694.80	277.54	9426.15
	14059	4699.79	277.27	9426.15

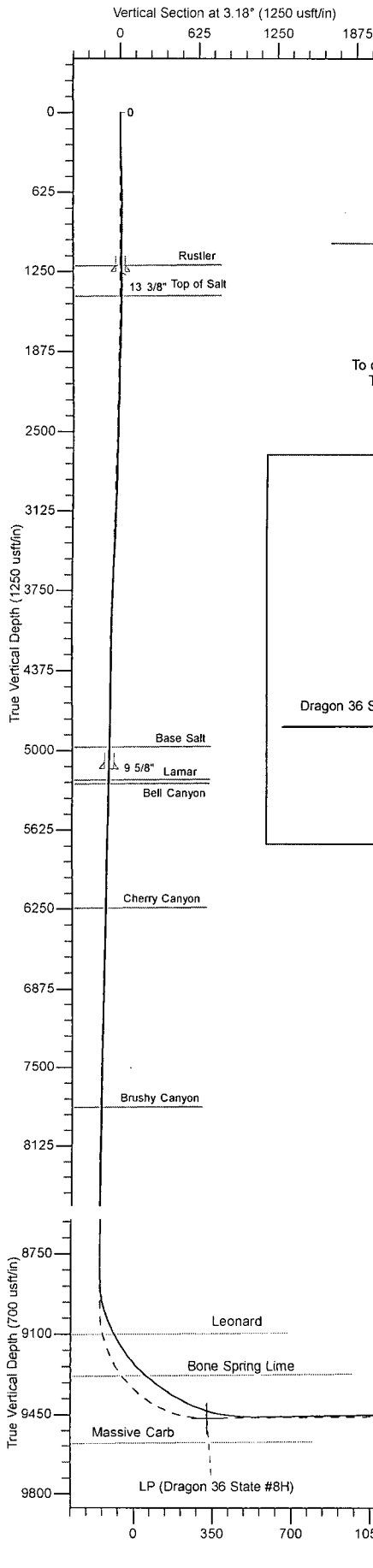
NEXT TO LAST	14135	4775.74	274.75	9425.56
LAST READING	14187	4827.72	273.20	9424.92
TD	14187	4827.72	273.20	9424.92

Surface Location	220	FS	685	FE
Projected BHL	5048	FS	412	FE
Location of				
Top Perfs/OH	413	FS	367	FE
Bottom Perfs/OH	4915	FS	407	FE

SUMMARY of Subsurface Locations

Surface Location	P-36-24S-33E	220	FS	685	FE	Vert. Depth
Top Perfs/OH	P-36-24S-33E	413	FS	367	FE	9382.34
Bottom Perfs/OH	A-36-24S-33E	4915	FS	407	FE	9426.15
Projected TD	A-36-24S-33E	5048	FS	412	FE	9424.92

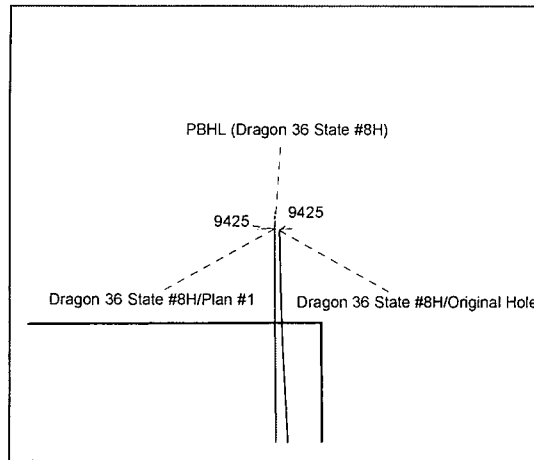
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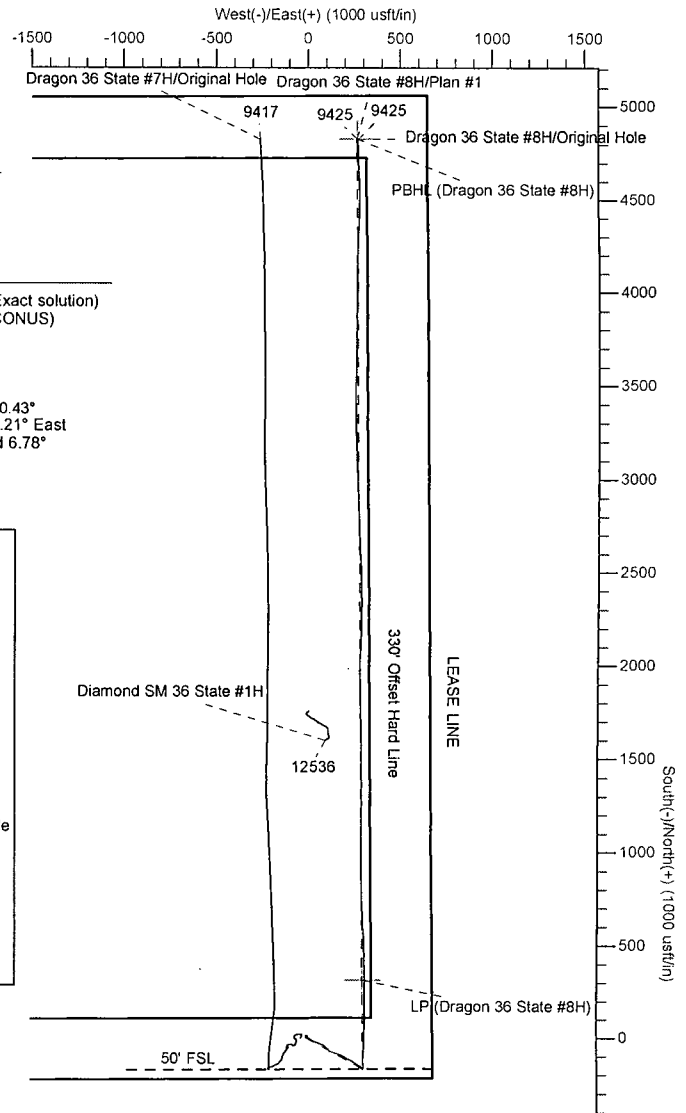
Azimuths to Grid North
True North: -0.43°
Magnetic North: 6.78°
Magnetic Field
Strength: 48304.4snT
Dip Angle: 60.07°
Date: 04/13/2014
Model: IGRF2010

PROJECT DETAILS: Lea County, NM

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
North Reference: Grid
System Datum: Mean Sea Level
To convert a True Direction to a Grid Direction, Subtract 0.43°
To convert a Magnetic Direction to a True Direction, Add 7.21° East
To convert a Magnetic Direction to a Grid Direction, Add 6.78°



Notice: Section Lines and Hardlines are estimates only and are subject to customer approval



WELL DETAILS: Dragon 36 State #8H

Ground Level: 3479.00
RKB=22' @ 3501.00usft (Nomac #133)
Easting: 751908.00
Latitude: 32° 10' 2.207 N
Longitude: 103° 31' 9.276 W
Slot

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1325.00	0.00	0.00	1325.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00
3	1475.13	3.00	118.57	1475.07	-1.88	3.45	2.00	118.57	-1.69	Start 6541.40 hold at 1475.13 MD
4	8016.54	3.00	118.57	8007.49	-165.75	304.39	0.00	0.00	-148.63	Start Drop -2.00
5	8166.67	0.00	359.54	8157.55	-167.63	307.84	2.00	180.00	-150.32	Start 830.00 hold at 8166.67 MD
6	8996.67	0.00	359.54	8987.55	-167.63	307.84	0.00	0.00	-150.32	Start Build 12.00
7	9750.86	90.50	359.54	9465.00	314.00	304.00	12.00	0.00	330.36	Start 4515.32 hold at 9750.86 MD
8	14266.17	90.50	359.54	9425.44	4829.00	268.00	0.00	0.00	4836.43	TD at 14266.17

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	North	Easting
PBHL (Dragon 36 State #8H)	9425.44	4829.00	268.00	430359.00	752176.00
LP (Dragon 36 State #8H)	9465.00	314.00	304.00	425844.00	752212.00

Dragon 36 State #8H/Original Hole

PBHL (Dragon 36 State #8H)

Dragon 36 State #8H/Plan #1

Company:	EOG Resources	Local Co-ordinate Reference:	Well Dragon 36 State #8H
Project:	Lea County, NM	TVD Reference:	RKB=22' @ 3501.00usft (Nomac #133)
Site:	Dragon 36 State	MD Reference:	RKB=22' @ 3501.00usft (Nomac #133)
Well:	Dragon 36 State #8H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Gyrodata

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

Site	Dragon 36 State		
Site Position:		Northing:	425,530.00 usft
From:	Map	Easting:	751,878.00 usft
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 10' 2.209 N
		Longitude:	103° 31' 9.625 W
		Grid Convergence:	0.43 °

Well	Dragon 36 State #8H		
Well Position	+N/-S	0.00 usft	Northing:
	+E/-W	0.00 usft	Easting:
Position Uncertainty	0.00 usft	Wellhead Elevation:	0.00 usft
		Latitude:	32° 10' 2.207 N
		Longitude:	103° 31' 9.276 W
		Ground Level:	3,479.00 usft

Wellbore	Original Hole		
Magnetics	Model Name	Sample Date	Declination
			(°)
	IGRF2010	04/13/14	7.21
			Dip Angle
			(°)
			Field Strength
			(nT)
			60.07
			48,304

Design	Original Hole		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
			Direction
			(°)
	0.00	0.00	0.00
			3.18

Survey Program	Date 04/27/14		
From	To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
205.00	14,187.00	Survey #1 (Original Hole)	MWD
			Description
			MWD - Standard

Survey									
Measured	Inclination	Azimuth	Vertical	+N/-S	+E/-W	Vertical	Dogleg	Build	Turn
Depth	(°)	(°)	Depth	(usft)	(usft)	Section	Rate	Rate	Rate
(usft)			(usft)			(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
205.00	0.70	350.60	204.99	1.24	-0.20	1.22	0.34	0.34	0.00
329.00	1.60	356.80	328.97	3.71	-0.42	3.68	0.73	0.73	5.00
483.00	2.10	336.80	482.89	8.45	-1.66	8.35	0.53	0.32	-12.99
547.00	1.50	352.10	546.86	10.36	-2.23	10.22	1.19	-0.94	23.91
640.00	1.10	17.30	639.83	12.42	-2.14	12.28	0.74	-0.43	27.10
732.00	1.80	73.90	731.81	13.66	-0.48	13.61	1.64	0.76	61.52
824.00	2.30	88.50	823.75	14.11	2.75	14.24	0.78	0.54	15.87
916.00	1.70	139.30	915.70	13.12	5.48	13.41	1.96	-0.65	55.22
1,009.00	1.60	187.60	1,008.67	10.79	6.21	11.12	1.45	-0.11	51.94

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Site:	Dragon 36 State	MD Reference:	RKB=22' @ 3501.00usft (Nomac #133)
Well:	Dragon 36 State #8H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Gyrodata

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,101.00	1.10	240.50	1,100.64	9.08	5.27	9.36	1.39	-0.54	57.50
1,193.00	2.00	298.70	1,192.61	9.42	3.10	9.58	1.85	0.98	63.26
1,313.00	2.60	297.30	1,312.52	11.67	-1.16	11.59	0.50	0.50	-1.17
1,405.00	0.30	232.70	1,404.48	12.48	-3.20	12.29	2.70	-2.50	-70.22
1,501.00	2.50	133.90	1,500.45	10.88	-1.90	10.76	2.67	2.29	-102.92
1,595.00	3.60	125.60	1,594.32	7.74	1.98	7.84	1.26	1.17	-8.83
1,690.00	3.60	123.50	1,689.13	4.36	6.89	4.73	0.14	0.00	-2.21
1,785.00	3.50	124.70	1,783.95	1.06	11.76	1.71	0.13	-0.11	1.26
1,880.00	3.60	125.10	1,878.77	-2.31	16.59	-1.38	0.11	0.11	0.42
1,974.00	3.30	125.50	1,972.60	-5.57	21.21	-4.39	0.32	-0.32	0.43
2,163.00	3.00	120.20	2,161.31	-11.22	29.91	-9.55	0.22	-0.16	-2.80
2,258.00	2.90	122.30	2,256.18	-13.75	34.09	-11.84	0.15	-0.11	2.21
2,353.00	3.20	119.20	2,351.05	-16.33	38.44	-14.18	0.36	0.32	-3.26
2,542.00	3.00	118.80	2,539.77	-21.29	47.37	-18.63	0.11	-0.11	-0.21
2,637.00	3.70	107.80	2,634.61	-23.42	52.47	-20.48	1.00	0.74	-11.58
2,732.00	3.90	108.10	2,729.40	-25.36	58.46	-22.09	0.21	0.21	0.32
2,827.00	3.70	108.10	2,824.19	-27.32	64.44	-23.71	0.21	-0.21	0.00
2,922.00	4.30	111.90	2,918.96	-29.60	70.66	-25.64	0.69	0.63	4.00
3,111.00	4.40	111.80	3,107.42	-34.94	83.97	-30.23	0.05	0.05	-0.05
3,206.00	4.30	112.40	3,202.14	-37.65	90.65	-32.57	0.12	-0.11	0.63
3,300.00	4.40	129.80	3,295.88	-41.30	96.67	-35.88	1.40	0.11	18.51
3,395.00	3.60	134.20	3,390.65	-45.71	101.61	-40.01	0.90	-0.84	4.63
3,489.00	3.20	133.00	3,484.48	-49.56	105.65	-43.63	0.43	-0.43	-1.28
3,584.00	3.20	133.50	3,579.33	-53.19	109.51	-47.04	0.03	0.00	0.53
3,679.00	3.20	132.10	3,674.18	-56.79	113.40	-50.42	0.08	0.00	-1.47
3,773.00	3.10	135.70	3,768.04	-60.37	117.12	-53.79	0.24	-0.11	3.83
3,868.00	2.70	134.10	3,862.92	-63.77	120.52	-56.99	0.43	-0.42	-1.68
3,963.00	2.90	138.40	3,957.81	-67.12	123.72	-60.16	0.31	0.21	4.53
4,057.00	2.70	141.10	4,051.69	-70.62	126.69	-63.49	0.25	-0.21	2.87
4,152.00	3.00	111.50	4,146.58	-73.27	130.41	-65.94	1.56	0.32	-31.16
4,247.00	3.00	108.00	4,241.45	-74.95	135.09	-67.35	0.19	0.00	-3.68
4,342.00	2.80	107.90	4,336.33	-76.44	139.66	-68.58	0.21	-0.21	-0.11
4,437.00	2.90	104.50	4,431.21	-77.75	144.20	-69.64	0.21	0.11	-3.58
4,531.00	3.20	106.60	4,525.08	-79.10	149.01	-70.72	0.34	0.32	2.23
4,626.00	3.30	107.00	4,619.93	-80.65	154.17	-71.99	0.11	0.11	0.42
4,721.00	3.40	105.90	4,714.76	-82.22	159.49	-73.26	0.13	0.11	-1.16
4,816.00	3.50	111.20	4,809.59	-84.04	164.91	-74.78	0.35	0.11	5.58
4,911.00	3.60	113.10	4,904.41	-86.26	170.35	-76.69	0.16	0.11	2.00
5,006.00	3.90	113.40	4,999.21	-88.72	176.06	-78.82	0.32	0.32	0.32
5,072.00	3.70	114.10	5,065.06	-90.48	180.06	-80.36	0.31	-0.30	1.06
5,212.00	3.20	113.60	5,204.81	-93.89	187.77	-83.34	0.36	-0.36	-0.36
5,306.00	2.90	113.30	5,298.67	-95.88	192.36	-85.07	0.32	-0.32	-0.32
5,401.00	2.80	107.90	5,393.56	-97.54	196.77	-86.49	0.30	-0.11	-5.68
5,495.00	3.20	120.80	5,487.43	-99.59	201.21	-88.29	0.83	0.43	13.72

Company:	EOG Resources	Local Co-ordinate Reference:	Well Dragon 36 State #8H
Project:	Lea County, NM	TVD Reference:	RKB=22' @ 3501.00usft (Nomac #133)
Site:	Dragon 36 State	MD Reference:	RKB=22' @ 3501.00usft (Nomac #133)
Well:	Dragon 36 State #8H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Gyrodata

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,590.00	3.30	121.90	5,582.28	-102.39	205.81	-90.83	0.12	0.11	1.16
5,684.00	3.30	121.30	5,676.12	-105.23	210.42	-93.41	0.04	0.00	-0.64
5,779.00	3.50	123.30	5,770.95	-108.24	215.18	-96.15	0.24	0.21	2.11
5,874.00	3.00	124.70	5,865.80	-111.25	219.65	-98.90	0.53	-0.53	1.47
5,968.00	2.70	129.80	5,959.68	-114.06	223.37	-101.51	0.42	-0.32	5.43
6,063.00	3.20	108.00	6,054.56	-116.32	227.61	-103.53	1.28	0.53	-22.95
6,158.00	2.70	107.30	6,149.43	-117.80	232.27	-104.75	0.53	-0.53	-0.74
6,253.00	3.10	108.00	6,244.31	-119.26	236.85	-105.95	0.42	0.42	0.74
6,348.00	3.20	121.20	6,339.17	-121.43	241.56	-107.86	0.77	0.11	13.89
6,443.00	3.20	120.10	6,434.02	-124.13	246.12	-110.30	0.06	0.00	-1.16
6,537.00	3.20	124.40	6,527.88	-126.93	250.56	-112.85	0.26	0.00	4.57
6,632.00	3.10	123.70	6,622.73	-129.85	254.88	-115.53	0.11	-0.11	-0.74
6,727.00	3.30	119.90	6,717.58	-132.64	259.39	-118.06	0.31	0.21	-4.00
6,822.00	3.40	118.20	6,812.42	-135.33	264.24	-120.48	0.15	0.11	-1.79
6,917.00	3.10	122.20	6,907.27	-138.03	268.90	-122.92	0.40	-0.32	4.21
7,011.00	3.30	121.40	7,001.12	-140.80	273.36	-125.43	0.22	0.21	-0.85
7,106.00	3.30	116.30	7,095.96	-143.43	278.14	-127.80	0.31	0.00	-5.37
7,201.00	3.00	123.30	7,190.82	-146.01	282.67	-130.12	0.51	-0.32	7.37
7,296.00	3.00	125.60	7,285.69	-148.82	286.77	-132.70	0.13	0.00	2.42
7,390.00	2.90	122.80	7,379.57	-151.54	290.77	-135.20	0.19	-0.11	-2.98
7,485.00	2.30	124.20	7,474.47	-153.92	294.37	-137.37	0.64	-0.63	1.47
7,580.00	0.60	127.30	7,569.43	-155.29	296.34	-138.63	1.79	-1.79	3.26
7,674.00	0.60	152.00	7,663.43	-156.02	296.96	-139.33	0.27	0.00	26.28
7,769.00	0.80	166.10	7,758.42	-157.11	297.35	-140.39	0.28	0.21	14.84
7,864.00	0.70	137.40	7,853.41	-158.18	297.91	-141.43	0.40	-0.11	-30.21
8,053.00	0.60	146.50	8,042.40	-159.85	299.23	-143.02	0.08	-0.05	4.81
8,163.00	0.80	129.30	8,152.39	-160.82	300.15	-143.94	0.26	0.18	-15.64
8,353.00	0.90	137.40	8,342.37	-162.76	302.18	-145.76	0.08	0.05	4.26
8,542.00	1.00	138.00	8,531.35	-165.07	304.29	-147.96	0.05	0.05	0.32
8,731.00	1.20	124.20	8,720.31	-167.41	307.03	-150.14	0.17	0.11	-7.30
8,826.00	1.20	114.30	8,815.29	-168.38	308.76	-151.01	0.22	0.00	-10.42
8,920.00	4.70	4.00	8,909.19	-164.94	309.93	-147.51	5.57	3.72	-117.34
8,967.00	12.20	358.20	8,955.65	-158.05	309.91	-140.63	16.04	15.96	-12.34
9,015.00	18.10	357.80	9,001.96	-145.52	309.46	-128.15	12.29	12.29	-0.83
9,063.00	23.80	357.90	9,046.77	-128.37	308.82	-111.06	11.88	11.88	0.21
9,109.00	27.30	1.90	9,088.26	-108.55	308.83	-91.27	8.48	7.61	8.70
9,157.00	29.90	1.10	9,130.40	-85.58	309.42	-68.30	5.47	5.42	-1.67
9,204.00	35.50	2.80	9,169.94	-60.22	310.31	-42.93	12.07	11.91	3.62
9,252.00	39.60	4.00	9,207.99	-31.02	312.06	-13.68	8.68	8.54	2.50
9,299.00	45.10	3.10	9,242.71	0.57	314.01	17.97	11.77	11.70	-1.91
9,347.00	49.10	2.30	9,275.38	35.68	315.66	53.12	8.42	8.33	-1.67
9,393.00	53.40	1.50	9,304.16	71.53	316.84	88.98	9.45	9.35	-1.74
9,441.00	56.00	359.50	9,331.90	110.70	317.17	128.10	6.40	5.42	-4.17

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Well:	Dragon 36 State #8H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Gyrodata

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,488.00	58.10	0.70	9,357.46	150.13	317.24	167.48	4.96	4.47	2.55	
9,508.67	59.74	0.44	9,368.14	167.83	317.42	185.16	7.99	7.92	-1.28	
Upper Most Perf. (Dragon 36 State #8H)										
9,536.00	61.90	0.10	9,381.46	191.69	317.53	208.99	7.99	7.92	-1.23	
9,582.00	66.00	359.70	9,401.66	233.01	317.45	250.24	8.95	8.91	-0.87	
9,630.00	69.00	359.80	9,420.02	277.35	317.26	294.50	6.25	6.25	0.21	
9,677.00	74.60	358.80	9,434.70	321.98	316.71	339.03	12.08	11.91	-2.13	
LP (Dragon 36 State #8H)										
9,725.00	81.50	359.00	9,444.63	368.90	315.81	385.83	14.38	14.38	0.42	
9,772.00	82.20	358.70	9,451.29	415.42	314.88	432.23	1.62	1.49	-0.64	
9,797.00	85.00	358.20	9,454.08	440.25	314.20	456.98	11.37	11.20	-2.00	
9,892.00	89.80	357.70	9,458.39	535.06	310.81	551.46	5.08	5.05	-0.53	
9,987.00	91.30	356.90	9,457.48	629.95	306.34	645.96	1.79	1.58	-0.84	
10,081.00	91.60	357.70	9,455.10	723.81	301.91	739.43	0.91	0.32	0.85	
10,176.00	90.40	358.70	9,453.44	818.75	298.93	834.05	1.64	-1.26	1.05	
10,271.00	91.90	359.50	9,451.53	913.71	297.43	928.79	1.79	1.58	0.84	
10,366.00	89.70	0.20	9,450.21	1,008.70	297.18	1,023.62	2.43	-2.32	0.74	
10,460.00	89.70	0.50	9,450.70	1,102.70	297.76	1,117.50	0.32	0.00	0.32	
10,555.00	90.30	1.00	9,450.70	1,197.69	299.00	1,212.41	0.82	0.63	0.53	
10,649.00	88.60	359.60	9,451.60	1,291.67	299.49	1,306.29	2.34	-1.81	-1.49	
10,744.00	88.50	359.40	9,454.01	1,386.64	298.67	1,401.06	0.24	-0.11	-0.21	
10,838.00	88.30	359.40	9,456.63	1,480.60	297.68	1,494.82	0.21	-0.21	0.00	
10,933.00	88.80	0.10	9,459.03	1,575.57	297.27	1,589.62	0.91	0.53	0.74	
11,028.00	89.80	358.60	9,460.19	1,670.55	296.19	1,684.40	1.90	1.05	-1.58	
11,122.00	90.50	358.10	9,459.95	1,764.51	293.48	1,778.06	0.92	0.74	-0.53	
11,217.00	90.40	358.50	9,459.20	1,859.46	290.67	1,872.71	0.43	-0.11	0.42	
11,312.00	91.40	0.00	9,457.71	1,954.44	289.42	1,967.48	1.90	1.05	1.58	
11,407.00	91.20	3.20	9,455.55	2,049.37	292.07	2,062.40	3.37	-0.21	3.37	
11,501.00	90.20	2.10	9,454.41	2,143.26	296.42	2,156.39	1.58	-1.06	-1.17	
11,596.00	89.00	359.90	9,455.07	2,238.23	298.08	2,251.31	2.64	-1.26	-2.32	
11,691.00	91.10	0.70	9,454.99	2,333.22	298.57	2,346.18	2.37	2.21	0.84	
11,785.00	90.90	358.50	9,453.35	2,427.20	297.92	2,439.98	2.35	-0.21	-2.34	
11,880.00	90.70	357.70	9,452.02	2,522.14	294.77	2,534.60	0.87	-0.21	-0.84	
11,975.00	90.90	357.70	9,450.69	2,617.05	290.96	2,629.16	0.21	0.21	0.00	
12,070.00	91.10	357.70	9,449.03	2,711.96	287.14	2,723.71	0.21	0.21	0.00	
12,164.00	91.40	357.10	9,446.98	2,805.84	282.88	2,817.21	0.71	0.32	-0.64	
12,259.00	91.10	358.80	9,444.91	2,900.76	279.48	2,911.79	1.82	-0.32	1.79	
12,354.00	91.60	358.50	9,442.67	2,995.70	277.25	3,006.46	0.61	0.53	-0.32	
12,448.00	90.40	358.20	9,441.03	3,089.65	274.54	3,100.11	1.32	-1.28	-0.32	
12,543.00	90.70	358.50	9,440.12	3,184.60	271.81	3,194.77	0.45	0.32	0.32	
12,638.00	90.40	357.90	9,439.21	3,279.55	268.82	3,289.41	0.71	-0.32	-0.63	
12,733.00	89.60	359.40	9,439.21	3,374.52	266.58	3,384.11	1.79	-0.84	1.58	
12,828.00	90.30	0.80	9,439.29	3,469.52	266.75	3,478.97	1.65	0.74	1.47	
12,922.00	89.50	0.50	9,439.46	3,563.51	267.82	3,572.88	0.91	-0.85	-0.32	

Company:	EOG Resources	Local Co-ordinate Reference:	Well Dragon 36 State #8H
Project:	Lea County, NM	TVD Reference:	RKB=22' @ 3501.00usft (Nomac #133)
Site:	Dragon 36 State	MD Reference:	RKB=22' @ 3501.00usft (Nomac #133)
Well:	Dragon 36 State #8H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Gyrodata

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,017.00	90.50	1.00	9,439.46	3,658.50	269.06	3,667.79	1.18	1.05	0.53
13,112.00	90.70	0.10	9,438.46	3,753.49	269.97	3,762.69	0.97	0.21	-0.95
13,207.00	91.30	359.80	9,436.80	3,848.48	269.89	3,857.52	0.71	0.63	-0.32
13,301.00	91.40	0.00	9,434.59	3,942.45	269.72	3,951.34	0.24	0.11	0.21
13,396.00	92.10	0.60	9,431.69	4,037.40	270.22	4,046.17	0.97	0.74	0.63
13,491.00	92.00	0.90	9,428.29	4,132.34	271.46	4,141.03	0.33	-0.11	0.32
13,585.00	91.00	0.60	9,425.83	4,226.29	272.69	4,234.91	1.11	-1.06	-0.32
13,680.00	90.10	4.80	9,424.92	4,321.16	277.17	4,329.88	4.52	-0.95	4.42
13,775.00	89.80	0.40	9,425.00	4,416.04	281.48	4,424.85	4.64	-0.32	-4.63
13,870.00	89.50	2.50	9,425.58	4,511.00	283.88	4,519.80	2.23	-0.32	2.21
13,964.00	89.80	355.80	9,426.15	4,604.94	282.49	4,613.52	7.13	0.32	-7.13
14,059.00	90.20	357.90	9,426.15	4,699.79	277.27	4,707.93	2.25	0.42	2.21
14,135.00	90.70	358.30	9,425.56	4,775.74	274.75	4,783.63	0.84	0.66	0.53
14,187.00	90.70	358.30	9,424.92	4,827.72	273.20	4,835.44	0.00	0.00	0.00
Proj to TD @ 14,187' MD - PBHL (Dragon 36 State #8H)									

Design Annotations

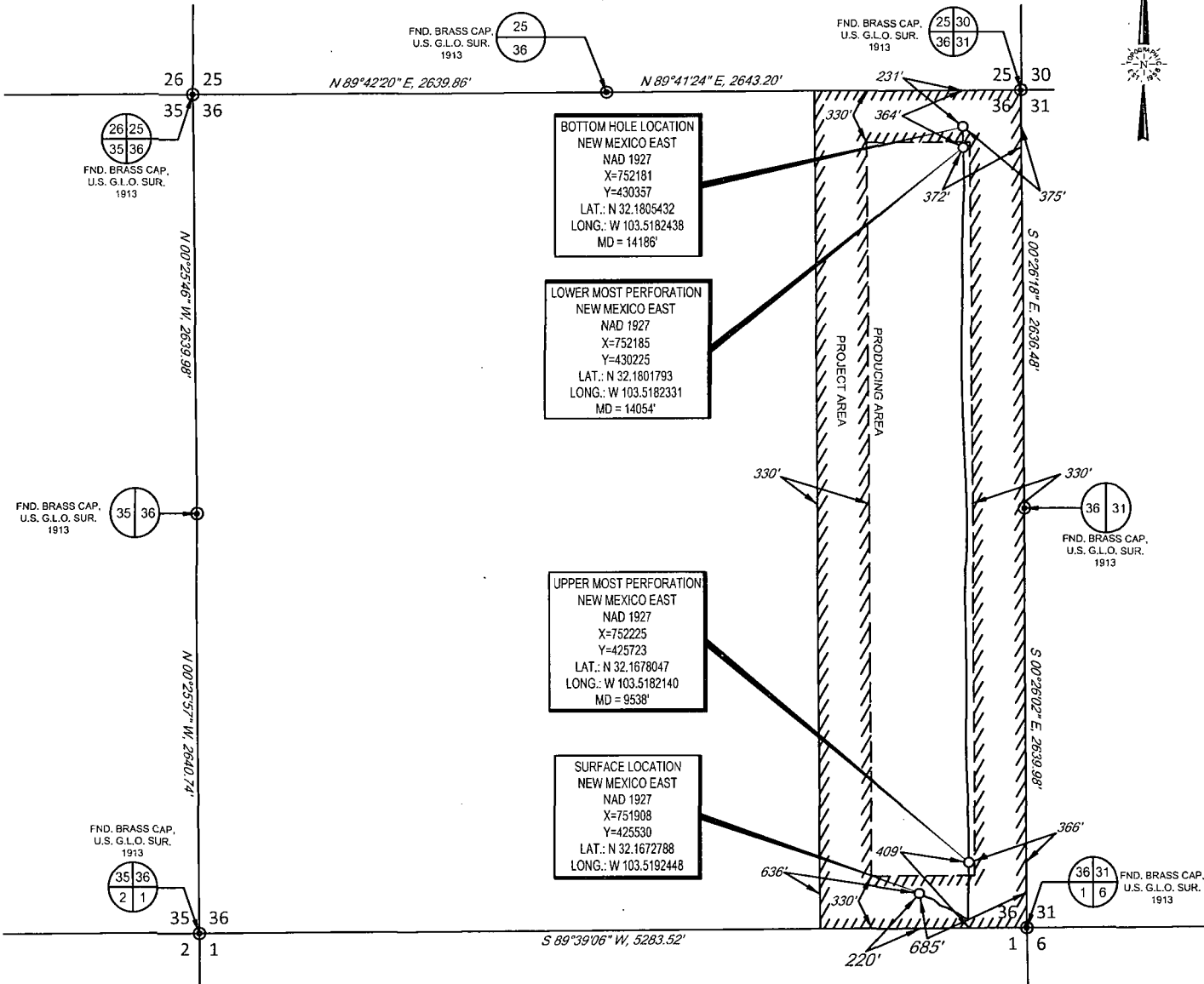
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
14,187.00	9,424.92	4,827.72	273.20	Proj to TD @ 14,187' MD

Checked By: _____ Approved By: _____ Date: _____

SCALE: 1" = 1000'

0' 500' 1000'

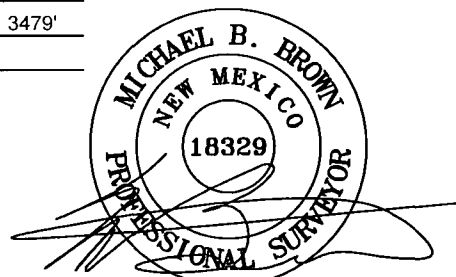
SECTION 36, TOWNSHIP 24 SOUTH, RANGE 33 EAST, N.M.P.M.
LEA COUNTY, NEW MEXICO



LEASE NAME & WELL NO.: DRAGON 36 STATE #8H
SECTION 36 TWP 24-S RGE 33-E SURVEY N.M.P.M.
COUNTY LEA STATE NM ELEVATION 3479'
DESCRIPTION 220' FSL & 685' FEL



1400 EVERMAN PARKWAY, Ste. 197 • FT. WORTH, TEXAS 76140
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Michael Blake Brown, P.S. No. 18329
JUNE 19, 2013



DRAGON 36 STATE #8H
AS-COMPLETED

REVISION:

INT DATE

DATE: 6/19/14

FILE: AD_DRAGON36STATE_8H

DRAWN BY: G.O.

SHEET: 1 OF 1

NOTES:

1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 19 27.
3. THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.