Permit Information:

Well Name: Dragon 36 State No. 501H

Location:

SL: 555' FNL & 1115' FEL, Section 36, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FSL & 380' FEL, Section 36, T-24-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF_{min} Collapse	DF_{min} Burst	DF_{min} Tension
17.5"	0 – 1220'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000' – 5100'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-16,015'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft^3/ft	Slurry Description
1220'	500	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% $CaCl_2$ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	200	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,100'	800	12.7	2.22	Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ Surface)
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
16,015'	375	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1 (TOC @ 4500')
	400	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1300	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1220'	Fresh - Gel	8.6-8.8	28-34	N/c
1220' – 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' – 10,640'	Cut Brine	8.4-9.0	28-34	N/c
10,640' – 16,015' Lateral	Cut Brine	9.0-9.5	40-42	8-10

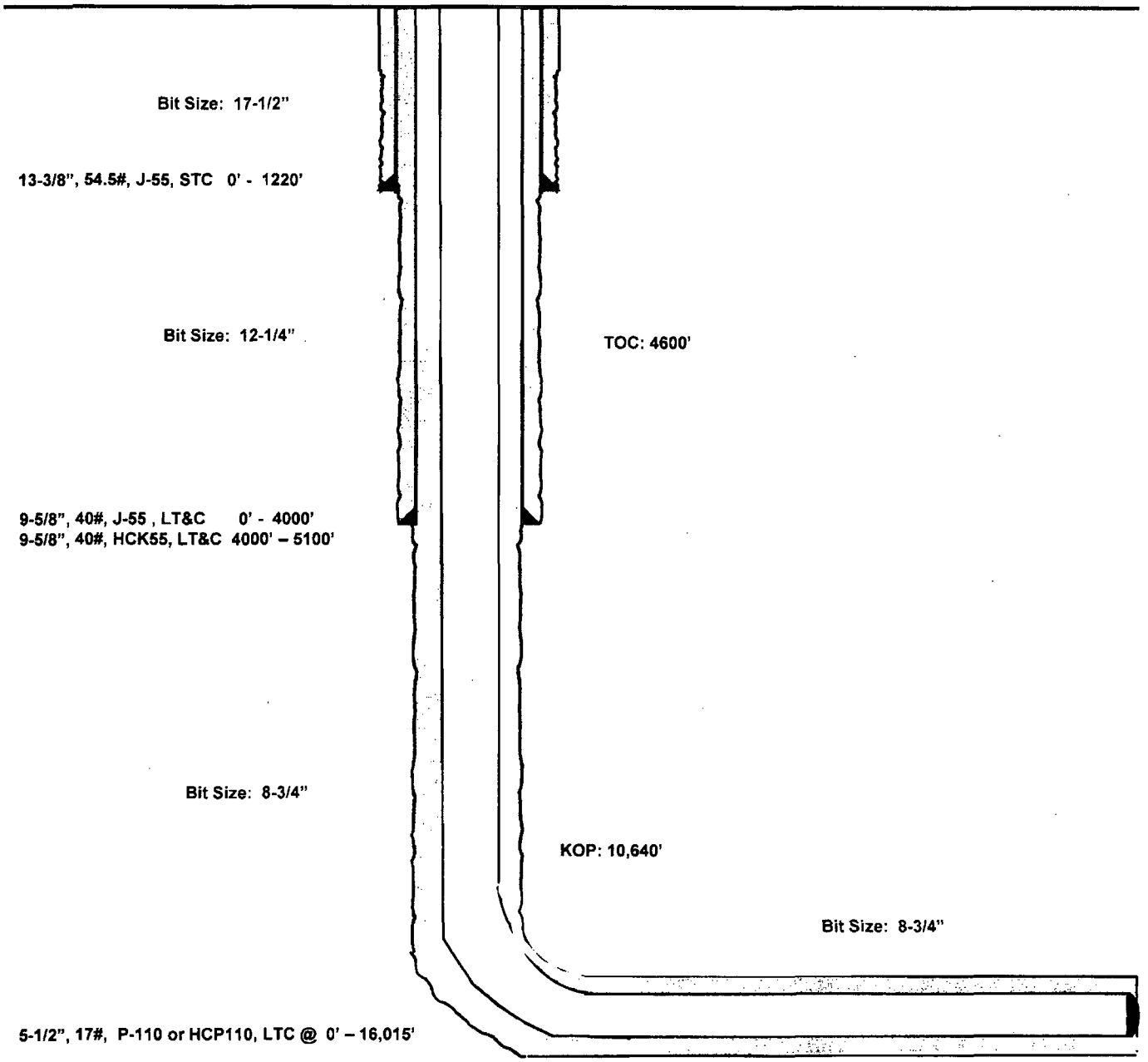
Dragon 36 State #501H
Lea County, New Mexico

555' FNL
1115' FEL
Section 36
T-24-S, R-33-E

Proposed Wellbore

API: 30-025-*****

KB: 3,524'
GL: 3,499'



Lateral: 16,015' MD, 11,277' TVD

BH Location: 230' FSL & 380' FEL
Section 36
T-24-S, R-33-E

eog resources

Lea County, NM (NAD 27 NME)

Dragon 36 State #501H

H&P 612

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

Azimuths to Grid North
True North: -0.43°
Magnetic North: 6.71°

Magnetic Field
Strength: 48124.7snT
Dip Angle: 60.06°
Date: 6/9/2015
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.71°
To convert a Magnetic Direction to a True Direction, Add 7.15° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

WELL DETAILS: #501H

Ground Level: 3499.0
KB = 25 @ 3524.0usft (H&P 612)

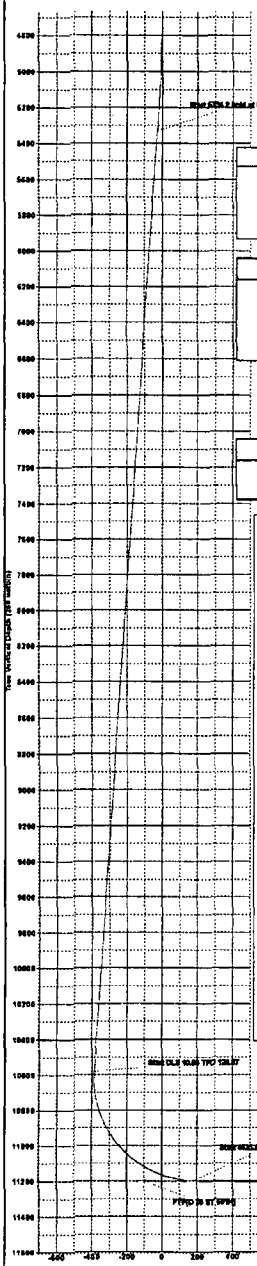
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	430030.00	751443.0022	10° 48.771 N	103° 31' 14.290 W	

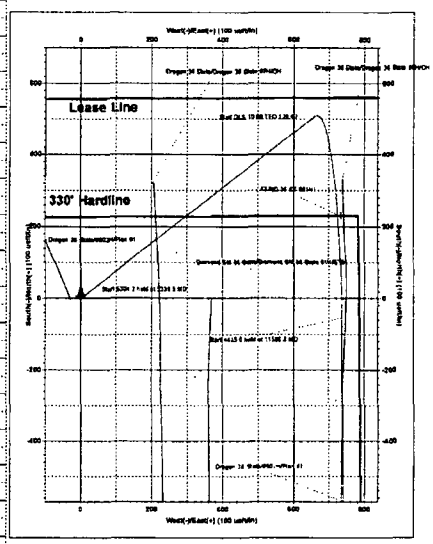
SECTION DETAILS

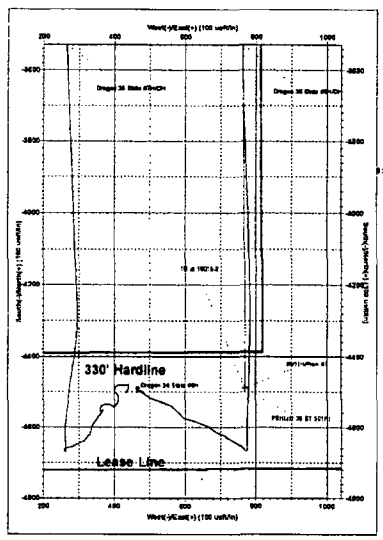
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	4500.0	0.00	0.00	4500.0	0.0	0.0	0.00	0.00	0.0		
3	5338.3	8.38	52.52	5333.3	37.1	48.3	1.00	52.52	-28.4		
4	10640.4	8.38	52.52	10581.1	506.6	660.6	0.00	0.00	-387.6		
5	11580.5	90.00	179.56	11200.0	-63.9	736.2	10.00	128.97	177.5		
6	16015.8	89.00	179.56	11277.4	-4488.0	770.0	0.00	0.00	4563.8	PBHL(D 36 ST 501H)	

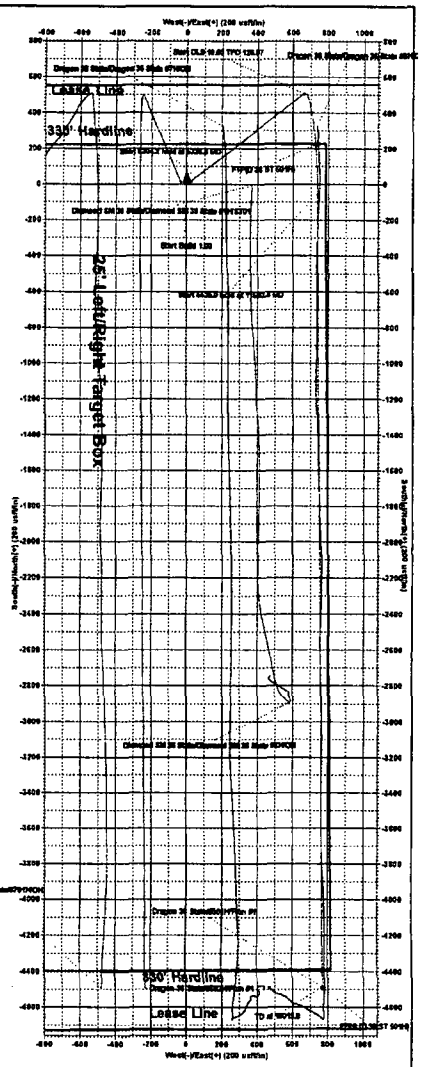
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

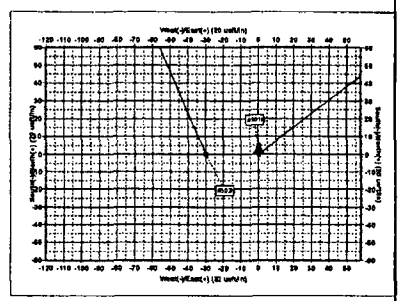
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
FTP(D 36 ST 501H)	11200.0	228.0	734.0	430258.00	752177.00	Point
PBHL(D 36 ST 501H)	11277.4	-4488.0	770.0	425542.00	752213.00	Point

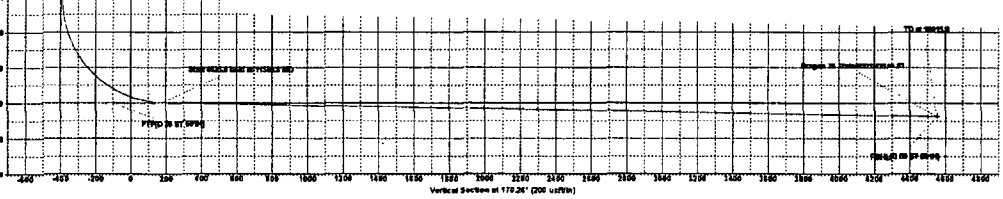












EOG Resources - Midland

Lea County, NM (NAD 27 NME)
Dragon 36 State
#501H

OH

Plan: Plan #1

Standard Planning Report

31 March, 2015

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #501H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3524.0usft (H&P 612)
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3524.0usft (H&P 612)
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Lea County, NM (NAD 27 NME)		
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	**Latitude:**	32° 10' 2.209 N
From:	Map	**Easting:**	751,878.00 usft	**Longitude:**	103° 31' 9.625 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.43 °

Well	#501H					
Well Position	**+N/-S**	4,500.0 usft	**Northing:**	430,030.00 usft	**Latitude:**	32° 10' 46.771 N
	+E/-W	-435.0 usft	**Easting:**	751,443.00 usft	**Longitude:**	103° 31' 14.290 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**	0.0 usft	**Ground Level:**	3,499.0 usft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	6/9/2015	7.15	60.06	48,125

Design	Plan #1				
Audit Notes:					
Version:		**Phase:**	PLAN	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.0	0.0	0.0	170.26	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,336.3	8.36	52.52	5,333.3	37.1	48.3	1.00	1.00	0.00	52.52	
10,640.4	8.36	52.52	10,581.1	506.5	660.5	0.00	0.00	0.00	0.00	
11,580.8	89.00	179.56	11,200.0	-53.8	736.2	10.00	8.58	13.51	126.87	
16,015.8	89.00	179.56	11,277.4	-4,488.0	770.0	0.00	0.00	0.00	0.00	PBHL(D 36 ST 501H)

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #501H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3524.0usft (H&P 612)
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3524.0usft (H&P 612)
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned 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)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	1.00	52.52	4,600.0	0.5	0.7	-0.4	1.00	1.00	0.00
4,700.0	2.00	52.52	4,700.0	2.1	2.8	-1.6	1.00	1.00	0.00
4,800.0	3.00	52.52	4,799.9	4.8	6.2	-3.7	1.00	1.00	0.00
4,900.0	4.00	52.52	4,899.7	8.5	11.1	-6.5	1.00	1.00	0.00
5,000.0	5.00	52.52	4,999.4	13.3	17.3	-10.1	1.00	1.00	0.00
5,100.0	6.00	52.52	5,098.9	19.1	24.9	-14.6	1.00	1.00	0.00
5,200.0	7.00	52.52	5,198.3	26.0	33.9	-19.9	1.00	1.00	0.00
5,300.0	8.00	52.52	5,297.4	33.9	44.2	-26.0	1.00	1.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #501H
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Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3524.0usft (H&P 612)
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned 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)
5,336.3	8.36	52.52	5,333.3	37.1	48.3	-28.4	1.00	1.00	0.00
5,400.0	8.36	52.52	5,396.4	42.7	55.7	-32.7	0.00	0.00	0.00
5,500.0	8.36	52.52	5,495.3	51.6	67.2	-39.4	0.00	0.00	0.00
5,600.0	8.36	52.52	5,594.2	60.4	78.8	-46.2	0.00	0.00	0.00
5,700.0	8.36	52.52	5,693.2	69.3	90.3	-53.0	0.00	0.00	0.00
5,800.0	8.36	52.52	5,792.1	78.1	101.9	-59.8	0.00	0.00	0.00
5,900.0	8.36	52.52	5,891.0	87.0	113.4	-66.5	0.00	0.00	0.00
6,000.0	8.36	52.52	5,990.0	95.8	124.9	-73.3	0.00	0.00	0.00
6,100.0	8.36	52.52	6,088.9	104.7	136.5	-80.1	0.00	0.00	0.00
6,200.0	8.36	52.52	6,187.9	113.5	148.0	-86.8	0.00	0.00	0.00
6,300.0	8.36	52.52	6,286.8	122.4	159.6	-93.6	0.00	0.00	0.00
6,400.0	8.36	52.52	6,385.7	131.2	171.1	-100.4	0.00	0.00	0.00
6,500.0	8.36	52.52	6,484.7	140.1	182.7	-107.2	0.00	0.00	0.00
6,600.0	8.36	52.52	6,583.6	148.9	194.2	-113.9	0.00	0.00	0.00
6,700.0	8.36	52.52	6,682.5	157.8	205.7	-120.7	0.00	0.00	0.00
6,800.0	8.36	52.52	6,781.5	166.6	217.3	-127.5	0.00	0.00	0.00
6,900.0	8.36	52.52	6,880.4	175.5	228.8	-134.2	0.00	0.00	0.00
7,000.0	8.36	52.52	6,979.3	184.3	240.4	-141.0	0.00	0.00	0.00
7,100.0	8.36	52.52	7,078.3	193.2	251.9	-147.8	0.00	0.00	0.00
7,200.0	8.36	52.52	7,177.2	202.0	263.4	-154.5	0.00	0.00	0.00
7,300.0	8.36	52.52	7,276.2	210.9	275.0	-161.3	0.00	0.00	0.00
7,400.0	8.36	52.52	7,375.1	219.7	286.5	-168.1	0.00	0.00	0.00
7,500.0	8.36	52.52	7,474.0	228.5	298.1	-174.9	0.00	0.00	0.00
7,600.0	8.36	52.52	7,573.0	237.4	309.6	-181.6	0.00	0.00	0.00
7,700.0	8.36	52.52	7,671.9	246.2	321.2	-188.4	0.00	0.00	0.00
7,800.0	8.36	52.52	7,770.8	255.1	332.7	-195.2	0.00	0.00	0.00
7,900.0	8.36	52.52	7,869.8	263.9	344.2	-201.9	0.00	0.00	0.00
8,000.0	8.36	52.52	7,968.7	272.8	355.8	-208.7	0.00	0.00	0.00
8,100.0	8.36	52.52	8,067.6	281.6	367.3	-215.5	0.00	0.00	0.00
8,200.0	8.36	52.52	8,166.6	290.5	378.9	-222.2	0.00	0.00	0.00
8,300.0	8.36	52.52	8,265.5	299.3	390.4	-229.0	0.00	0.00	0.00
8,400.0	8.36	52.52	8,364.5	308.2	401.9	-235.8	0.00	0.00	0.00
8,500.0	8.36	52.52	8,463.4	317.0	413.5	-242.6	0.00	0.00	0.00
8,600.0	8.36	52.52	8,562.3	325.9	425.0	-249.3	0.00	0.00	0.00
8,700.0	8.36	52.52	8,661.3	334.7	436.6	-256.1	0.00	0.00	0.00
8,800.0	8.36	52.52	8,760.2	343.6	448.1	-262.9	0.00	0.00	0.00
8,900.0	8.36	52.52	8,859.1	352.4	459.6	-269.6	0.00	0.00	0.00
9,000.0	8.36	52.52	8,958.1	361.3	471.2	-276.4	0.00	0.00	0.00
9,100.0	8.36	52.52	9,057.0	370.1	482.7	-283.2	0.00	0.00	0.00
9,200.0	8.36	52.52	9,156.0	379.0	494.3	-290.0	0.00	0.00	0.00
9,300.0	8.36	52.52	9,254.9	387.8	505.8	-296.7	0.00	0.00	0.00
9,400.0	8.36	52.52	9,353.8	396.7	517.4	-303.5	0.00	0.00	0.00
9,500.0	8.36	52.52	9,452.8	405.5	528.9	-310.3	0.00	0.00	0.00
9,600.0	8.36	52.52	9,551.7	414.4	540.4	-317.0	0.00	0.00	0.00
9,700.0	8.36	52.52	9,650.6	423.2	552.0	-323.8	0.00	0.00	0.00
9,800.0	8.36	52.52	9,749.6	432.1	563.5	-330.6	0.00	0.00	0.00
9,900.0	8.36	52.52	9,848.5	440.9	575.1	-337.3	0.00	0.00	0.00
10,000.0	8.36	52.52	9,947.4	449.8	586.6	-344.1	0.00	0.00	0.00
10,100.0	8.36	52.52	10,046.4	458.6	598.1	-350.9	0.00	0.00	0.00
10,200.0	8.36	52.52	10,145.3	467.5	609.7	-357.7	0.00	0.00	0.00
10,300.0	8.36	52.52	10,244.3	476.3	621.2	-364.4	0.00	0.00	0.00
10,400.0	8.36	52.52	10,343.2	485.2	632.8	-371.2	0.00	0.00	0.00
10,500.0	8.36	52.52	10,442.1	494.0	644.3	-378.0	0.00	0.00	0.00
10,600.0	8.36	52.52	10,541.1	502.9	655.8	-384.7	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #501H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3524.0usft (H&P 612)
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3524.0usft (H&P 612)
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned 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)
10,640.4	8.36	52.52	10,581.1	506.5	660.5	-387.5	0.00	0.00	0.00
10,650.0	7.83	58.15	10,590.5	507.2	661.6	-388.0	10.00	-5.61	58.85
10,700.0	6.74	97.52	10,640.2	508.6	667.4	-388.5	10.00	-2.16	78.72
10,750.0	8.92	131.37	10,689.7	505.7	673.2	-384.6	10.00	4.34	67.71
10,800.0	12.78	148.58	10,738.8	498.4	679.0	-376.4	10.00	7.72	34.41
10,850.0	17.23	157.48	10,787.1	486.8	684.8	-364.0	10.00	8.90	17.81
10,900.0	21.91	162.75	10,834.2	471.1	690.4	-347.6	10.00	9.37	10.53
10,950.0	26.71	166.21	10,879.8	451.2	695.8	-327.1	10.00	9.59	6.93
11,000.0	31.56	168.69	10,923.4	427.5	701.1	-302.8	10.00	9.71	4.94
11,050.0	36.45	170.55	10,964.9	400.0	706.1	-274.8	10.00	9.78	3.74
11,100.0	41.36	172.03	11,003.8	369.0	710.8	-243.4	10.00	9.83	2.96
11,150.0	46.29	173.25	11,039.8	334.6	715.2	-208.9	10.00	9.86	2.43
11,200.0	51.23	174.28	11,072.8	297.3	719.3	-171.3	10.00	9.88	2.06
11,250.0	56.18	175.18	11,102.4	257.1	723.0	-131.2	10.00	9.90	1.79
11,300.0	61.13	175.98	11,128.4	214.6	726.3	-88.7	10.00	9.91	1.60
11,319.4	63.06	176.27	11,137.4	197.5	727.4	-71.6	10.00	9.91	1.49
FTP(D 36 ST 501H)									
11,350.0	66.09	176.70	11,150.6	169.9	729.1	-44.2	10.00	9.92	1.43
11,400.0	71.05	177.37	11,168.9	123.4	731.5	2.0	10.00	9.92	1.34
11,450.0	76.02	178.01	11,183.0	75.5	733.4	49.6	10.00	9.93	1.27
11,500.0	80.98	178.61	11,193.0	26.6	734.9	98.1	10.00	9.93	1.21
11,550.0	85.95	179.20	11,198.7	-23.1	735.8	147.2	10.00	9.93	1.18
11,580.8	89.00	179.56	11,200.0	-53.8	736.2	177.5	10.00	9.93	1.17
11,600.0	89.00	179.56	11,200.4	-73.0	736.3	196.5	0.00	0.00	0.00
11,700.0	89.00	179.56	11,202.1	-173.0	737.1	295.2	0.00	0.00	0.00
11,800.0	89.00	179.56	11,203.9	-273.0	737.8	393.8	0.00	0.00	0.00
11,900.0	89.00	179.56	11,205.6	-373.0	738.6	492.5	0.00	0.00	0.00
12,000.0	89.00	179.56	11,207.3	-473.0	739.4	591.2	0.00	0.00	0.00
12,100.0	89.00	179.56	11,209.1	-572.9	740.1	689.9	0.00	0.00	0.00
12,200.0	89.00	179.56	11,210.8	-672.9	740.9	788.5	0.00	0.00	0.00
12,300.0	89.00	179.56	11,212.6	-772.9	741.6	887.2	0.00	0.00	0.00
12,400.0	89.00	179.56	11,214.3	-872.9	742.4	985.9	0.00	0.00	0.00
12,500.0	89.00	179.56	11,216.1	-972.9	743.2	1,084.5	0.00	0.00	0.00
12,600.0	89.00	179.56	11,217.8	-1,072.9	743.9	1,183.2	0.00	0.00	0.00
12,700.0	89.00	179.56	11,219.6	-1,172.8	744.7	1,281.9	0.00	0.00	0.00
12,800.0	89.00	179.56	11,221.3	-1,272.8	745.5	1,380.5	0.00	0.00	0.00
12,900.0	89.00	179.56	11,223.0	-1,372.8	746.2	1,479.2	0.00	0.00	0.00
13,000.0	89.00	179.56	11,224.8	-1,472.8	747.0	1,577.9	0.00	0.00	0.00
13,100.0	89.00	179.56	11,226.5	-1,572.8	747.8	1,676.6	0.00	0.00	0.00
13,200.0	89.00	179.56	11,228.3	-1,672.7	748.5	1,775.2	0.00	0.00	0.00
13,300.0	89.00	179.56	11,230.0	-1,772.7	749.3	1,873.9	0.00	0.00	0.00
13,400.0	89.00	179.56	11,231.8	-1,872.7	750.0	1,972.6	0.00	0.00	0.00
13,500.0	89.00	179.56	11,233.5	-1,972.7	750.8	2,071.2	0.00	0.00	0.00
13,600.0	89.00	179.56	11,235.3	-2,072.7	751.6	2,169.9	0.00	0.00	0.00
13,700.0	89.00	179.56	11,237.0	-2,172.7	752.3	2,268.6	0.00	0.00	0.00
13,800.0	89.00	179.56	11,238.7	-2,272.6	753.1	2,367.3	0.00	0.00	0.00
13,900.0	89.00	179.56	11,240.5	-2,372.6	753.9	2,465.9	0.00	0.00	0.00
14,000.0	89.00	179.56	11,242.2	-2,472.6	754.6	2,564.6	0.00	0.00	0.00
14,100.0	89.00	179.56	11,244.0	-2,572.6	755.4	2,663.3	0.00	0.00	0.00
14,200.0	89.00	179.56	11,245.7	-2,672.6	756.1	2,761.9	0.00	0.00	0.00
14,300.0	89.00	179.56	11,247.5	-2,772.6	756.9	2,860.6	0.00	0.00	0.00
14,400.0	89.00	179.56	11,249.2	-2,872.5	757.7	2,959.3	0.00	0.00	0.00
14,500.0	89.00	179.56	11,251.0	-2,972.5	758.4	3,058.0	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well #501H
Company:	EOG Resources - Midland	**TVD Reference:**	KB = 25 @ 3524.0usft (H&P 612)
Project:	Lea County, NM (NAD 27 NME)	**MD Reference:**	KB = 25 @ 3524.0usft (H&P 612)
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#501H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned 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)
14,600.0	89.00	179.56	11,252.7	-3,072.5	759.2	3,156.6	0.00	0.00	0.00
14,700.0	89.00	179.56	11,254.4	-3,172.5	760.0	3,255.3	0.00	0.00	0.00
14,800.0	89.00	179.56	11,256.2	-3,272.5	760.7	3,354.0	0.00	0.00	0.00
14,900.0	89.00	179.56	11,257.9	-3,372.4	761.5	3,452.6	0.00	0.00	0.00
15,000.0	89.00	179.56	11,259.7	-3,472.4	762.2	3,551.3	0.00	0.00	0.00
15,100.0	89.00	179.56	11,261.4	-3,572.4	763.0	3,650.0	0.00	0.00	0.00
15,200.0	89.00	179.56	11,263.2	-3,672.4	763.8	3,748.7	0.00	0.00	0.00
15,300.0	89.00	179.56	11,264.9	-3,772.4	764.5	3,847.3	0.00	0.00	0.00
15,400.0	89.00	179.56	11,266.7	-3,872.4	765.3	3,946.0	0.00	0.00	0.00
15,500.0	89.00	179.56	11,268.4	-3,972.3	766.1	4,044.7	0.00	0.00	0.00
15,600.0	89.00	179.56	11,270.1	-4,072.3	766.8	4,143.3	0.00	0.00	0.00
15,700.0	89.00	179.56	11,271.9	-4,172.3	767.6	4,242.0	0.00	0.00	0.00
15,800.0	89.00	179.56	11,273.6	-4,272.3	768.4	4,340.7	0.00	0.00	0.00
15,900.0	89.00	179.56	11,275.4	-4,372.3	769.1	4,439.4	0.00	0.00	0.00
16,000.0	89.00	179.56	11,277.1	-4,472.2	769.9	4,538.0	0.00	0.00	0.00
16,015.8	89.00	179.56	11,277.4	-4,488.0	770.0	4,553.6	0.00	0.00	0.00
PBHL(D 36 ST 501H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP(D 36 ST 501H)	0.00	0.00	11,200.0	229.0	734.0	430,259.00	752,177.00	32° 10' 48.982 N	103° 31' 5.730 W
- plan misses target center by 70.4usft at 11319.4usft MD (11137.4 TVD, 197.5 N, 727.4 E)									
- Point									
PBHL(D 36 ST 501H)	0.00	0.00	11,277.4	-4,488.0	770.0	425,542.00	752,213.00	32° 10' 2.302 N	103° 31' 5.727 W
- plan hits target center									
- Point									