

Permit Information:

Well Name: Dragon 36 State No. 12H

Location:

SL: 220' FSL & 520' FWL, Section 36, T-24-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 431' FWL, 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 - 1230'	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'-14,249'	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
1230'	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
	200	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
14,249'	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
	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 - 1230'	Fresh - Gel	8.6-8.8	28-34	N/c
1230' - 5,100'	Brine	10.0-10.2	28-34	N/c
5,100' - 8,958'	Cut Brine	8.4-9.0	28-34	N/c
KOP - 14,249' Lateral	Cut Brine	9.0-9.5	40-42	8-10

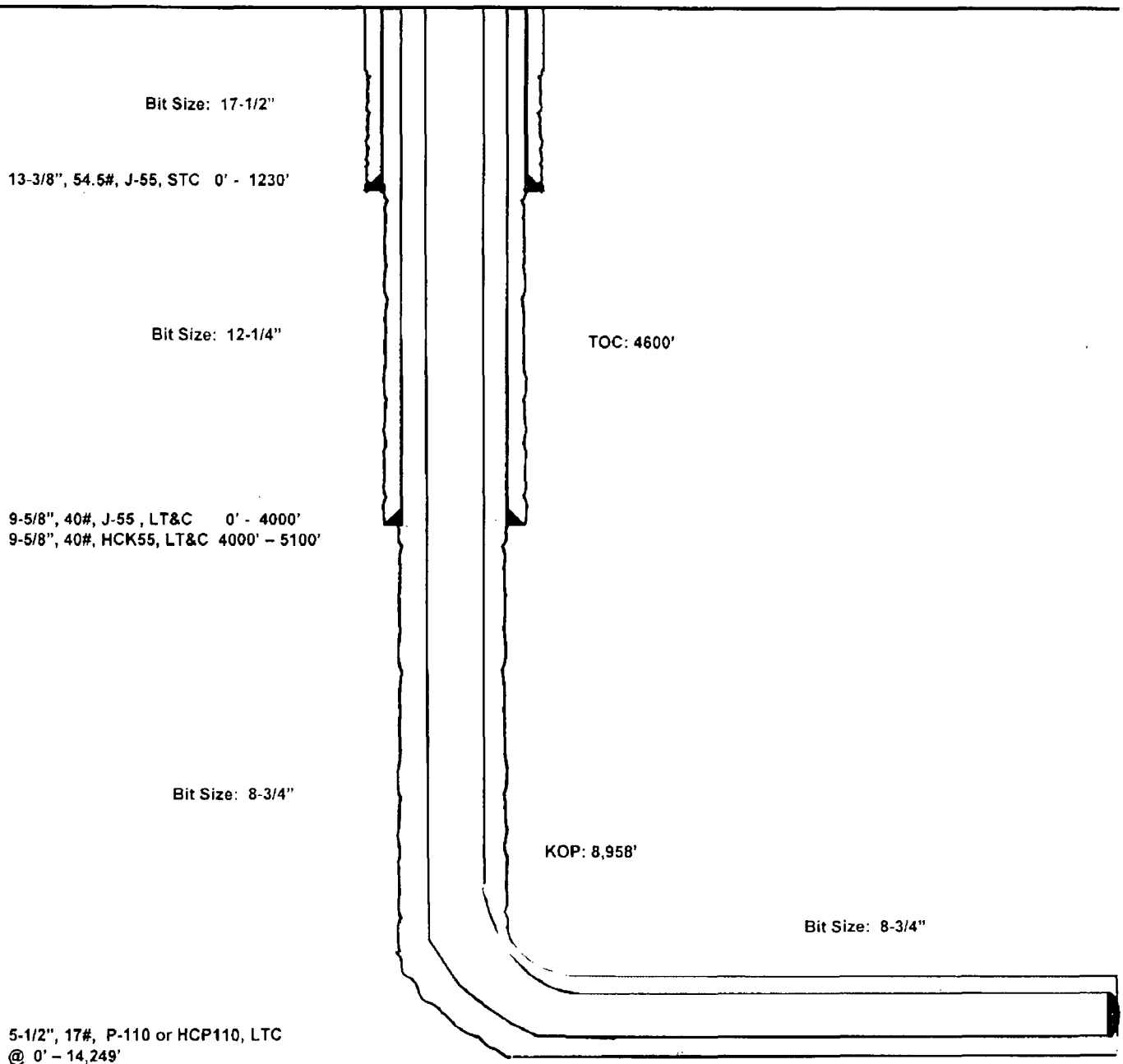
Dragon 36 State #12H
Pitchfork Ranch
Lea County, New Mexico

220' FSL
520' FWL
Section 36
T-24-S, R-33-E

Proposed Wellbore

API: 30-025-

KB: 3,504'
GL: 3,474'



Lateral: 14,249' MD, 9,450' TVD

BH Location: 230' FNL & 431' FWL
Section 36
T-24-S, R-33-E



Lea County, NM (NAD 27 NME)

Dragon 36 State #12H

Nomac 55

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

WELL DETAILS: #12H

Ground Level: 3492.0
KB = 21 @ 3512.0' (Nomac 55)
Northing: 423505.00 Easting: 747829.00
Latitude: 32° 10' 2.262" N Longitude: 103° 31' 54.730" W

SECTION DETAILS

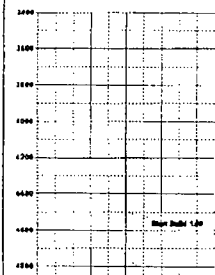
Sec	MD	Inc	Alt	TVD	FW-S	HE-W	Deg	Trace	Y-Sect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	4890.9	0.00	0.00	4890.0	0.0	0.0	0.00	0.00	0.0		
3	4747.8	2.48	354.86	4747.7	-4.8	-2.3	1.08	206.88	-4.8		
4	8864.8	2.48	354.86	8864.0	-179.0	-78.8	0.00	0.00	-167.8		
5	3728.8	90.00	188.35	9480.0	307.0	81.0	12.00	184.72	309.2		
6	14248.7	90.00	158.55	9480.0	4810.0	-128.0	0.00	0.00	4831.8		PRM (Dragon 36 State #12H)

CASING DETAILS

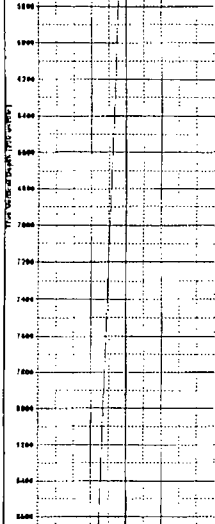
No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

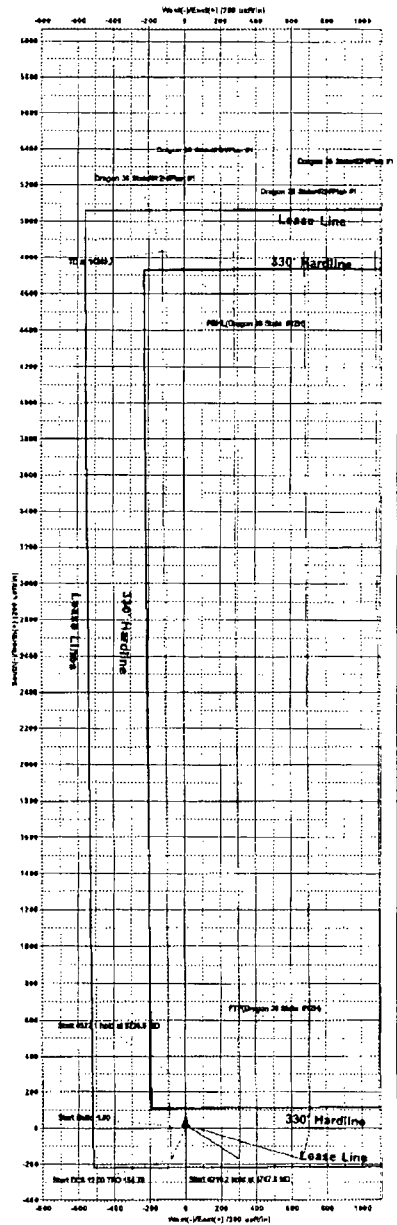
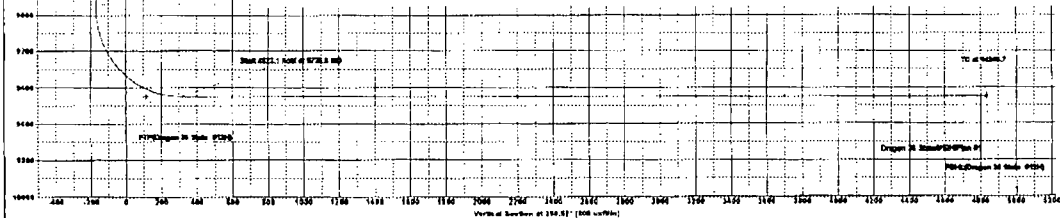
Name	TVD	FW-S	HE-W	Northing	Easting
FTD Dragon 36 State #12H	8160.0	110.0	-30.0	423618.00	747238.00
PRM (Dragon 36 State #12H)	9480.0	4830.0	-128.0	423296.00	747704.00



Map Scale: 1" = 100'



Map Scale: 1" = 100'





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Dragon 36 State

#12H

OH

Plan: Plan #1

Standard Planning Report

15 October, 2014



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Dragon 36 State
Well: #12H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #12H
TVD Reference: KB = 21 @ 3513.0usft (Nomac 55)
MD Reference: KB = 21 @ 3513.0usft (Nomac 55)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

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	#12H			
Well Position	+N/-S	-25.0 usft	Northing:	425,505.00 usft
	+E/-W	-4,049.0 usft	Easting:	747,829.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level: 3,492.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF201014	10/15/2014	7.15	60.06	48.252

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	358.52

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	
4,747.8	2.48	204.86	4,747.7	-4.9	-2.3	1.00	1.00	0.00	204.86	
8,958.0	2.48	204.86	8,954.0	-170.0	-78.8	0.00	0.00	0.00	0.00	
9,726.6	90.00	359.58	9,450.0	307.0	-91.5	12.00	11.39	20.13	154.70	
14,249.7	90.00	359.58	9,450.0	4,830.0	-125.0	0.00	0.00	0.00	0.00	PBHL(Dragon 36 Stat



EOG Resources, Inc.

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Local Co-ordinate Reference: Well #12H
 TVD Reference: KB = 21 @ 3513.0usft (Nomac 55)
 MD Reference: KB = 21 @ 3513.0usft (Nomac 55)
 North Reference: Grid
 Survey Calculation Method: Minimum Curvature

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	204.86	4,600.0	-0.8	-0.4	-0.8	1.00	1.00	0.00
4,700.0	2.00	204.86	4,700.0	-3.2	-1.5	-3.1	1.00	1.00	0.00
4,747.8	2.48	204.86	4,747.7	-4.9	-2.3	-4.8	1.00	1.00	0.00
4,800.0	2.48	204.86	4,799.9	-6.9	-3.2	-6.8	0.00	0.00	0.00
4,900.0	2.48	204.86	4,899.8	-10.8	-5.0	-10.7	0.00	0.00	0.00
5,000.0	2.48	204.86	4,999.7	-14.8	-6.8	-14.6	0.00	0.00	0.00
5,100.0	2.48	204.86	5,099.6	-18.7	-8.7	-18.4	0.00	0.00	0.00
5,200.0	2.48	204.86	5,199.5	-22.6	-10.5	-22.3	0.00	0.00	0.00



EOG Resources, Inc.

Planning Report

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Wellbore: OH
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North Reference: Grid
Survey Calculation Method: Minimum Curvature

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)
5,300.0	2.48	204.86	5,299.4	-26.5	-12.3	-26.2	0.00	0.00	0.00
5,400.0	2.48	204.86	5,399.3	-30.4	-14.1	-30.1	0.00	0.00	0.00
5,500.0	2.48	204.86	5,499.2	-34.4	-15.9	-33.9	0.00	0.00	0.00
5,600.0	2.48	204.86	5,599.1	-38.3	-17.7	-37.8	0.00	0.00	0.00
5,700.0	2.48	204.86	5,699.0	-42.2	-19.6	-41.7	0.00	0.00	0.00
5,800.0	2.48	204.86	5,798.9	-46.1	-21.4	-45.6	0.00	0.00	0.00
5,900.0	2.48	204.86	5,898.8	-50.1	-23.2	-49.4	0.00	0.00	0.00
6,000.0	2.48	204.86	5,998.8	-54.0	-25.0	-53.3	0.00	0.00	0.00
6,100.0	2.48	204.86	6,098.7	-57.9	-26.8	-57.2	0.00	0.00	0.00
6,200.0	2.48	204.86	6,198.6	-61.8	-28.6	-61.1	0.00	0.00	0.00
6,300.0	2.48	204.86	6,298.5	-65.7	-30.5	-64.9	0.00	0.00	0.00
6,400.0	2.48	204.86	6,398.4	-69.7	-32.3	-68.8	0.00	0.00	0.00
6,500.0	2.48	204.86	6,498.3	-73.6	-34.1	-72.7	0.00	0.00	0.00
6,600.0	2.48	204.86	6,598.2	-77.5	-35.9	-76.6	0.00	0.00	0.00
6,700.0	2.48	204.86	6,698.1	-81.4	-37.7	-80.4	0.00	0.00	0.00
6,800.0	2.48	204.86	6,798.0	-85.4	-39.5	-84.3	0.00	0.00	0.00
6,900.0	2.48	204.86	6,897.9	-89.3	-41.4	-88.2	0.00	0.00	0.00
7,000.0	2.48	204.86	6,997.8	-93.2	-43.2	-92.0	0.00	0.00	0.00
7,100.0	2.48	204.86	7,097.7	-97.1	-45.0	-95.9	0.00	0.00	0.00
7,200.0	2.48	204.86	7,197.6	-101.0	-46.8	-99.8	0.00	0.00	0.00
7,300.0	2.48	204.86	7,297.5	-105.0	-48.6	-103.7	0.00	0.00	0.00
7,400.0	2.48	204.86	7,397.4	-108.9	-50.4	-107.5	0.00	0.00	0.00
7,500.0	2.48	204.86	7,497.4	-112.8	-52.3	-111.4	0.00	0.00	0.00
7,600.0	2.48	204.86	7,597.3	-116.7	-54.1	-115.3	0.00	0.00	0.00
7,700.0	2.48	204.86	7,697.2	-120.7	-55.9	-119.2	0.00	0.00	0.00
7,800.0	2.48	204.86	7,797.1	-124.6	-57.7	-123.0	0.00	0.00	0.00
7,900.0	2.48	204.86	7,897.0	-128.5	-59.5	-126.9	0.00	0.00	0.00
8,000.0	2.48	204.86	7,996.9	-132.4	-61.3	-130.8	0.00	0.00	0.00
8,100.0	2.48	204.86	8,096.8	-136.3	-63.2	-134.7	0.00	0.00	0.00
8,200.0	2.48	204.86	8,196.7	-140.3	-65.0	-138.5	0.00	0.00	0.00
8,300.0	2.48	204.86	8,296.6	-144.2	-66.8	-142.4	0.00	0.00	0.00
8,400.0	2.48	204.86	8,396.5	-148.1	-68.6	-146.3	0.00	0.00	0.00
8,500.0	2.48	204.86	8,496.4	-152.0	-70.4	-150.2	0.00	0.00	0.00
8,600.0	2.48	204.86	8,596.3	-156.0	-72.3	-154.0	0.00	0.00	0.00
8,700.0	2.48	204.86	8,696.2	-159.9	-74.1	-157.9	0.00	0.00	0.00
8,800.0	2.48	204.86	8,796.1	-163.8	-75.9	-161.8	0.00	0.00	0.00
8,900.0	2.48	204.86	8,896.0	-167.7	-77.7	-165.7	0.00	0.00	0.00
8,958.0	2.48	204.86	8,954.0	-170.0	-78.8	-167.9	0.00	0.00	0.00
8,975.0	1.08	259.06	8,971.0	-170.4	-79.1	-168.3	12.00	-8.23	318.28
9,000.0	3.00	338.90	8,996.0	-169.8	-79.5	-167.7	12.00	7.68	319.37
9,025.0	5.90	349.27	9,020.9	-167.9	-80.0	-165.8	12.00	11.61	41.47
9,050.0	8.87	352.77	9,045.7	-164.7	-80.5	-162.6	12.00	11.87	14.00
9,075.0	11.85	354.52	9,070.3	-160.3	-81.0	-158.1	12.00	11.94	7.00
9,100.0	14.84	355.58	9,094.6	-154.5	-81.5	-152.4	12.00	11.96	4.21
9,125.0	17.83	356.28	9,118.6	-147.5	-82.0	-145.3	12.00	11.97	2.83
9,150.0	20.83	356.79	9,142.2	-139.3	-82.5	-137.1	12.00	11.98	2.03
9,175.0	23.83	357.18	9,165.3	-129.8	-83.0	-127.6	12.00	11.99	1.54
9,200.0	26.82	357.48	9,187.9	-119.1	-83.5	-116.9	12.00	11.99	1.22
9,225.0	29.82	357.73	9,209.9	-107.2	-84.0	-105.0	12.00	11.99	0.99
9,250.0	32.82	357.93	9,231.2	-94.3	-84.4	-92.0	12.00	11.99	0.82
9,275.0	35.82	358.11	9,251.9	-80.2	-84.9	-78.0	12.00	11.99	0.70
9,300.0	38.82	358.26	9,271.8	-65.0	-85.4	-62.8	12.00	11.99	0.60
9,325.0	41.81	358.39	9,290.8	-48.9	-85.9	-46.6	12.00	12.00	0.53
9,350.0	44.81	358.51	9,309.0	-31.7	-86.3	-29.5	12.00	12.00	0.47



EOG Resources, Inc.
Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Dragon 36 State
Well: #12H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #12H
TVD Reference: KB = 21 @ 3513.0usft (Nomac 55)
MD Reference: KB = 21 @ 3513.0usft (Nomac 55)
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
9,375.0	47.81	358.62	9,326.3	-13.7	-86.8	-11.4	12.00	12.00	0.42
9,400.0	50.81	358.71	9,342.6	5.3	-87.2	7.6	12.00	12.00	0.39
9,425.0	53.81	358.80	9,357.9	25.1	-87.7	27.3	12.00	12.00	0.35
9,450.0	56.81	358.88	9,372.1	45.6	-88.1	47.9	12.00	12.00	0.33
9,475.0	59.81	358.96	9,385.2	66.9	-88.5	69.2	12.00	12.00	0.31
9,500.0	62.81	359.03	9,397.2	88.8	-88.9	91.1	12.00	12.00	0.29
9,525.0	65.81	359.10	9,408.1	111.3	-89.2	113.6	12.00	12.00	0.27
9,540.0	67.60	359.14	9,414.0	125.1	-89.4	127.3	12.00	12.00	0.26
FTP(Dragon 36 State #12H)									
9,550.0	68.81	359.16	9,417.7	134.4	-89.6	136.7	12.00	12.00	0.26
9,575.0	71.81	359.23	9,426.1	157.9	-89.9	160.2	12.00	12.00	0.25
9,600.0	74.81	359.29	9,433.3	181.9	-90.2	184.1	12.00	12.00	0.24
9,625.0	77.81	359.35	9,439.2	206.2	-90.5	208.4	12.00	12.00	0.23
9,650.0	80.81	359.40	9,443.9	230.7	-90.8	233.0	12.00	12.00	0.23
9,675.0	83.80	359.46	9,447.2	255.5	-91.0	257.8	12.00	12.00	0.23
9,700.0	86.80	359.52	9,449.3	280.4	-91.2	282.7	12.00	12.00	0.22
9,726.6	90.00	359.58	9,450.0	307.0	-91.5	309.3	12.00	12.00	0.22
9,800.0	90.00	359.58	9,450.0	380.4	-92.0	382.6	0.00	0.00	0.00
9,900.0	90.00	359.58	9,450.0	480.4	-92.7	482.6	0.00	0.00	0.00
10,000.0	90.00	359.58	9,450.0	580.4	-93.5	582.6	0.00	0.00	0.00
10,100.0	90.00	359.58	9,450.0	680.4	-94.2	682.6	0.00	0.00	0.00
10,200.0	90.00	359.58	9,450.0	780.4	-95.0	782.6	0.00	0.00	0.00
10,300.0	90.00	359.58	9,450.0	880.4	-95.7	882.6	0.00	0.00	0.00
10,400.0	90.00	359.58	9,450.0	980.4	-96.5	982.5	0.00	0.00	0.00
10,500.0	90.00	359.58	9,450.0	1,080.4	-97.2	1,082.5	0.00	0.00	0.00
10,600.0	90.00	359.58	9,450.0	1,180.4	-97.9	1,182.5	0.00	0.00	0.00
10,700.0	90.00	359.58	9,450.0	1,280.4	-98.7	1,282.5	0.00	0.00	0.00
10,800.0	90.00	359.58	9,450.0	1,380.4	-99.4	1,382.5	0.00	0.00	0.00
10,900.0	90.00	359.58	9,450.0	1,480.4	-100.2	1,482.5	0.00	0.00	0.00
11,000.0	90.00	359.58	9,450.0	1,580.4	-100.9	1,582.4	0.00	0.00	0.00
11,100.0	90.00	359.58	9,450.0	1,680.3	-101.6	1,682.4	0.00	0.00	0.00
11,200.0	90.00	359.58	9,450.0	1,780.3	-102.4	1,782.4	0.00	0.00	0.00
11,300.0	90.00	359.58	9,450.0	1,880.3	-103.1	1,882.4	0.00	0.00	0.00
11,400.0	90.00	359.58	9,450.0	1,980.3	-103.9	1,982.4	0.00	0.00	0.00
11,500.0	90.00	359.58	9,450.0	2,080.3	-104.6	2,082.3	0.00	0.00	0.00
11,600.0	90.00	359.58	9,450.0	2,180.3	-105.4	2,182.3	0.00	0.00	0.00
11,700.0	90.00	359.58	9,450.0	2,280.3	-106.1	2,282.3	0.00	0.00	0.00
11,800.0	90.00	359.58	9,450.0	2,380.3	-106.8	2,382.3	0.00	0.00	0.00
11,900.0	90.00	359.58	9,450.0	2,480.3	-107.6	2,482.3	0.00	0.00	0.00
12,000.0	90.00	359.58	9,450.0	2,580.3	-108.3	2,582.3	0.00	0.00	0.00
12,100.0	90.00	359.58	9,450.0	2,680.3	-109.1	2,682.2	0.00	0.00	0.00
12,200.0	90.00	359.58	9,450.0	2,780.3	-109.8	2,782.2	0.00	0.00	0.00
12,300.0	90.00	359.58	9,450.0	2,880.3	-110.5	2,882.2	0.00	0.00	0.00
12,400.0	90.00	359.58	9,450.0	2,980.3	-111.3	2,982.2	0.00	0.00	0.00
12,500.0	90.00	359.58	9,450.0	3,080.3	-112.0	3,082.2	0.00	0.00	0.00
12,600.0	90.00	359.58	9,450.0	3,180.3	-112.8	3,182.2	0.00	0.00	0.00
12,700.0	90.00	359.58	9,450.0	3,280.3	-113.5	3,282.1	0.00	0.00	0.00
12,800.0	90.00	359.58	9,450.0	3,380.3	-114.3	3,382.1	0.00	0.00	0.00
12,900.0	90.00	359.58	9,450.0	3,480.3	-115.0	3,482.1	0.00	0.00	0.00
13,000.0	90.00	359.58	9,450.0	3,580.3	-115.7	3,582.1	0.00	0.00	0.00
13,100.0	90.00	359.58	9,450.0	3,680.3	-116.5	3,682.1	0.00	0.00	0.00
13,200.0	90.00	359.58	9,450.0	3,780.3	-117.2	3,782.1	0.00	0.00	0.00
13,300.0	90.00	359.58	9,450.0	3,880.3	-118.0	3,882.0	0.00	0.00	0.00



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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)
13,400.0	90.00	359.58	9,450.0	3,980.3	-118.7	3,982.0	0.00	0.00	0.00
13,500.0	90.00	359.58	9,450.0	4,080.3	-119.4	4,082.0	0.00	0.00	0.00
13,600.0	90.00	359.58	9,450.0	4,180.3	-120.2	4,182.0	0.00	0.00	0.00
13,700.0	90.00	359.58	9,450.0	4,280.3	-120.9	4,282.0	0.00	0.00	0.00
13,800.0	90.00	359.58	9,450.0	4,380.3	-121.7	4,382.0	0.00	0.00	0.00
13,900.0	90.00	359.58	9,450.0	4,480.3	-122.4	4,481.9	0.00	0.00	0.00
14,000.0	90.00	359.58	9,450.0	4,580.3	-123.1	4,581.9	0.00	0.00	0.00
14,100.0	90.00	359.58	9,450.0	4,680.3	-123.9	4,681.9	0.00	0.00	0.00
14,200.0	90.00	359.58	9,450.0	4,780.3	-124.6	4,781.9	0.00	0.00	0.00
14,249.7	90.00	359.58	9,450.0	4,830.0	-125.0	4,831.6	0.00	0.00	0.00

PBHL(Dragon 36 State #12H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP(Dragon 36 State #12H)	0.00	0.00	9,450.0	110.0	-90.0	425,615.00	747,739.00	32° 10' 3.357 N	103° 31' 57.768 W
- hit/miss target									
- Shape									
- plan misses target center by 39.1usft at 9540.0usft MD (9414.0 TVD, 125.1 N, -89.4 E)									
- Point									
PBHL(Dragon 36 State #12H)	0.00	0.00	9,450.0	4,830.0	-125.0	430,335.00	747,704.00	32° 10' 50.066 N	103° 31' 57.766 W
- plan hits target center									
- Point									