

Permit Information:

30-025-42578

Well Name: Brown Bear 36 State No. 702H

Location:

SL: 244' FSL & 1379' FWL, Section 36, T-25-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 1130' FWL, Section 36, T-25-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 - 1065'	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' - 5000'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-17,635'	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
1065'	400	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
5,000'	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
17,635'	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
	1400	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 - 1065'	Fresh - Gel	8.6-8.8	28-34	N/c
1065' - 5,000'	Oil Base	8.7-9.4	58-68	N/c - 6
5,000' - 12,293'	Oil Base	8.7-9.4	58-68	N/c - 6
12,293' - 17,635' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

MAY 04 2015

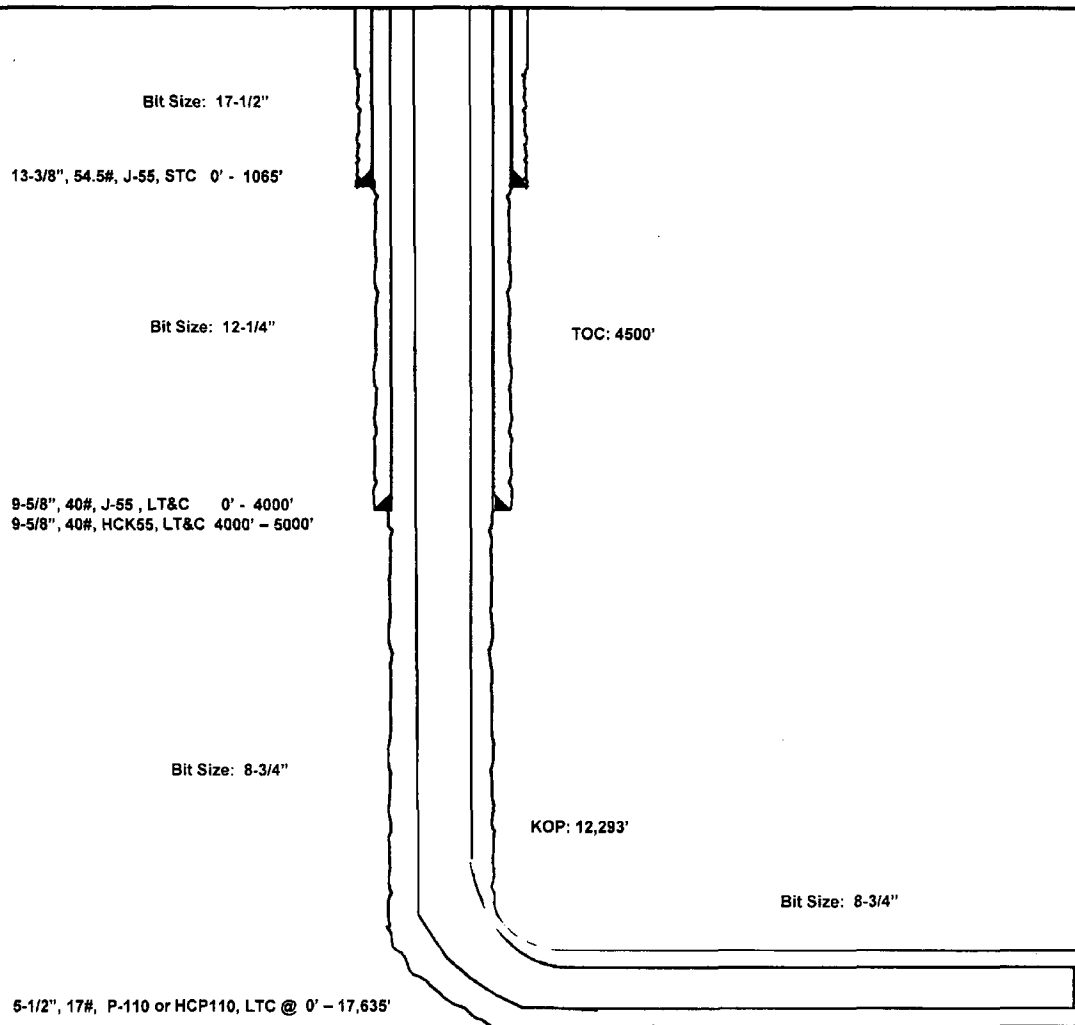
Brown Bear 36 State #702H
Lea County, New Mexico

244' FSL
1379' FWL
Section 36
T-25-S, R-33-E

Proposed Wellbore

API: 30-025-

KB: 3,344'
GL: 3,319'



Lateral: 17,635' MD, 12,875' TVD

BH Location: 230' FNL & 1130' FWL
Section 36
T-25-S, R-33-E



Lea County, NM (NAD 27 NME)

Brown Bear 36 State #702H
H&P 260
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



Altitude to Grid North
True North: 0.43°
Magnetic North: 8.72°
Magnetic Field
Strength: 48070.8 nT
Dip Angle: 69.84°
Date: 8/22/2015
Model: IGRF 2015

To convert a Magnetic Direction to a Grid Direction, Add 8.72°
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 #702H

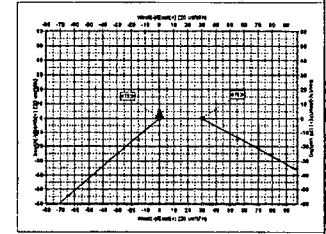
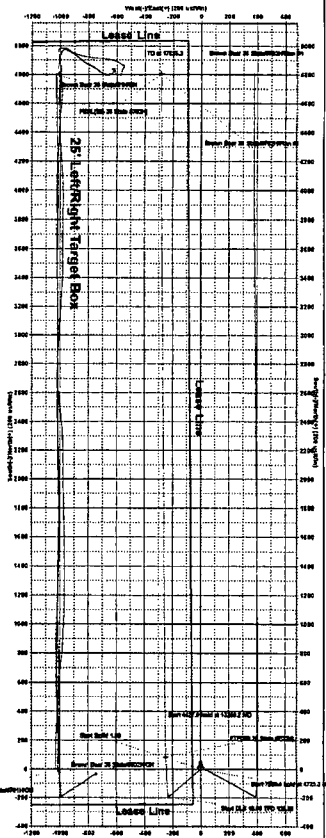
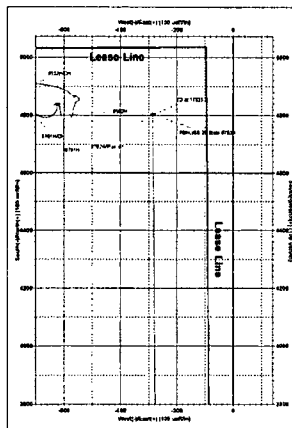
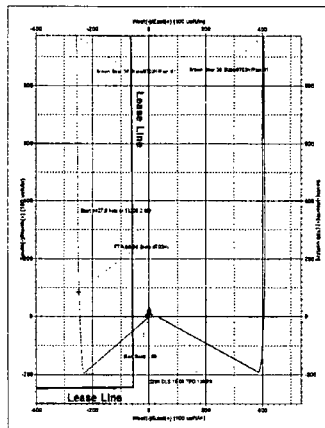
Ground Level: 3118.0
13' 9" @ 224' Incl. (H&P 260)
+N-S +E-W Northing Easting
0.0 0.0 35359.00 746017.20 21' 49 221' 4 102' 31' 46 818' W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
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	4725.3	2.25	229.66	4725.3	-2.9	-3.4	1.00	229.66	-2.7	
4	12293.8	2.25	229.66	12287.9	-195.6	-230.2	0.00	0.00	-181.6	
5	13208.2	90.00	359.58	12875.0	377.1	-252.2	10.00	129.89	391.4	
6	17635.2	80.00	359.58	12875.0	4804.0	-285.0	0.00	0.00	4812.4	PBHL(BS 26 State #702H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name: P77PBH 26 State #702H
TVD: 12875.0
+N-S: 4804.0
+E-W: -285.0
Northing: 35958.00
Easting: 746017.20
Point: PBHL(BS 26 State #702H)





EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Brown Bear 36 State

#702H

OH

Plan: Plan #1

EOG PVA

30 April, 2015



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Brown Bear 36 State
Well: #702H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3344.0usft (H&P 260)
MD Reference: KB = 25 @ 3344.0usft (H&P 260)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

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	Brown Bear 36 State		
Site Position:		Northing:	398,660.00 usft
From:	Map	Easting:	748,307.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 5' 36.581 N
		Longitude:	103° 31' 53.494 W
		Grid Convergence:	0.43 "

Well	#702H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft		Wellhead Elevation:
			Ground Level:
			3,319.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	5/22/2015	(°)
			7.15
			Dip Angle
			(°)
			59.96
			Field Strength
			(nT)
			48,071

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			(°)
			356.60

Survey Tool Program	Date	4/30/2015		
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
0.0	17,835.2	Plan #1 (OH)	MWD	MWD - Standard



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Planned Survey

MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (*/100usft)	Build (*/100usft)	Turn (*/100usft)	High to Plan (usft)	Right to Plan (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00		
100.0	0.00	0.00	100.0	0.0	0.0	0.00	0.00	0.00		
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00		
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00		
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00		
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00		
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00		
700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.00		
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00		
900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	0.00		
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00		
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	0.00		
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00		
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00		
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00		
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00		
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.00	0.00	0.00		
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.00	0.00	0.00		
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.00	0.00	0.00		
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.00	0.00	0.00		
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00		
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.00	0.00	0.00		
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.00	0.00	0.00		
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.00	0.00	0.00		
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.00	0.00	0.00		
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00		
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.00	0.00	0.00		



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EOG PVA

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Planned Survey										
MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLog ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
4,400.0	0.00	0.00	4,400.0	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	
4,600.0	1.00	229.66	4,600.0	-0.6	-0.7	1.00	1.00	0.00	0.00	
4,700.0	2.00	229.66	4,700.0	-2.3	-2.7	1.00	1.00	0.00	0.00	
4,725.3	2.25	229.66	4,725.3	-2.9	-3.4	1.00	1.00	0.00	0.00	
4,800.0	2.25	229.66	4,799.9	-4.8	-5.6	0.00	0.00	0.00	0.00	
4,900.0	2.25	229.66	4,899.8	-7.3	-8.6	0.00	0.00	0.00	0.00	
5,000.0	2.25	229.66	4,999.7	-9.9	-11.6	0.00	0.00	0.00	0.00	
5,100.0	2.25	229.66	5,099.7	-12.4	-14.6	0.00	0.00	0.00	0.00	
5,200.0	2.25	229.66	5,199.6	-14.9	-17.6	0.00	0.00	0.00	0.00	



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EOG PVA

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Design: Plan #1

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MD Reference: KB = 25 @ 3344.0usft (H&P 260)
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Planned Survey

MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg ("/100usft)	Build ("/100usft)	Turn ("/100usft)	High to Plan (usft)	Right to Plan (usft)
5,300.0	2.25	229.66	5,299.5	-17.5	-20.6	0.00	0.00	0.00		
5,400.0	2.25	229.66	5,399.4	-20.0	-23.6	0.00	0.00	0.00		
5,500.0	2.25	229.66	5,499.3	-22.6	-26.6	0.00	0.00	0.00		
5,600.0	2.25	229.66	5,599.3	-25.1	-29.6	0.00	0.00	0.00		
5,700.0	2.25	229.66	5,699.2	-27.7	-32.6	0.00	0.00	0.00		
5,800.0	2.25	229.66	5,799.1	-30.2	-35.6	0.00	0.00	0.00		
5,900.0	2.25	229.66	5,899.0	-32.8	-38.6	0.00	0.00	0.00		
6,000.0	2.25	229.66	5,999.0	-35.3	-41.6	0.00	0.00	0.00		
6,100.0	2.25	229.66	6,098.9	-37.9	-44.6	0.00	0.00	0.00		
6,200.0	2.25	229.66	6,198.8	-40.4	-47.6	0.00	0.00	0.00		
6,300.0	2.25	229.66	6,298.7	-42.9	-50.6	0.00	0.00	0.00		
6,400.0	2.25	229.66	6,398.6	-45.5	-53.6	0.00	0.00	0.00		
6,500.0	2.25	229.66	6,498.6	-48.0	-56.6	0.00	0.00	0.00		
6,600.0	2.25	229.66	6,598.5	-50.6	-59.6	0.00	0.00	0.00		
6,700.0	2.25	229.66	6,698.4	-53.1	-62.6	0.00	0.00	0.00		
6,800.0	2.25	229.66	6,798.3	-55.7	-65.6	0.00	0.00	0.00		
6,900.0	2.25	229.66	6,898.3	-58.2	-68.6	0.00	0.00	0.00		
7,000.0	2.25	229.66	6,998.2	-60.8	-71.5	0.00	0.00	0.00		
7,100.0	2.25	229.66	7,098.1	-63.3	-74.5	0.00	0.00	0.00		
7,200.0	2.25	229.66	7,198.0	-65.9	-77.5	0.00	0.00	0.00		
7,300.0	2.25	229.66	7,298.0	-68.4	-80.5	0.00	0.00	0.00		
7,400.0	2.25	229.66	7,397.9	-70.9	-83.5	0.00	0.00	0.00		
7,500.0	2.25	229.66	7,497.8	-73.5	-86.5	0.00	0.00	0.00		
7,600.0	2.25	229.66	7,597.7	-76.0	-89.5	0.00	0.00	0.00		
7,700.0	2.25	229.66	7,697.6	-78.6	-92.5	0.00	0.00	0.00		
7,800.0	2.25	229.66	7,797.6	-81.1	-95.5	0.00	0.00	0.00		
7,900.0	2.25	229.66	7,897.5	-83.7	-98.5	0.00	0.00	0.00		



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MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (*/100usft)	Build (*/100usft)	Turn (*/100usft)	High to Plan (usft)	Right to Plan (usft)
8,000.0	2.25	229.66	7,997.4	-86.2	-101.5	0.00	0.00	0.00		
8,100.0	2.25	229.66	8,097.3	-88.8	-104.5	0.00	0.00	0.00		
8,200.0	2.25	229.66	8,197.3	-91.3	-107.5	0.00	0.00	0.00		
8,300.0	2.25	229.66	8,297.2	-93.9	-110.5	0.00	0.00	0.00		
8,400.0	2.25	229.66	8,397.1	-96.4	-113.5	0.00	0.00	0.00		
8,500.0	2.25	229.66	8,497.0	-98.9	-116.5	0.00	0.00	0.00		
8,600.0	2.25	229.66	8,596.9	-101.5	-119.5	0.00	0.00	0.00		
8,700.0	2.25	229.66	8,696.9	-104.0	-122.5	0.00	0.00	0.00		
8,800.0	2.25	229.66	8,796.8	-106.6	-125.5	0.00	0.00	0.00		
8,900.0	2.25	229.66	8,896.7	-109.1	-128.5	0.00	0.00	0.00		
9,000.0	2.25	229.66	8,996.6	-111.7	-131.5	0.00	0.00	0.00		
9,100.0	2.25	229.66	9,096.6	-114.2	-134.5	0.00	0.00	0.00		
9,200.0	2.25	229.66	9,196.5	-116.8	-137.5	0.00	0.00	0.00		
9,300.0	2.25	229.66	9,296.4	-119.3	-140.5	0.00	0.00	0.00		
9,400.0	2.25	229.66	9,396.3	-121.9	-143.5	0.00	0.00	0.00		
9,500.0	2.25	229.66	9,496.2	-124.4	-146.5	0.00	0.00	0.00		
9,600.0	2.25	229.66	9,596.2	-126.9	-149.5	0.00	0.00	0.00		
9,700.0	2.25	229.66	9,696.1	-129.5	-152.5	0.00	0.00	0.00		
9,800.0	2.25	229.66	9,796.0	-132.0	-155.5	0.00	0.00	0.00		
9,900.0	2.25	229.66	9,895.9	-134.6	-158.5	0.00	0.00	0.00		
10,000.0	2.25	229.66	9,995.9	-137.1	-161.5	0.00	0.00	0.00		
10,100.0	2.25	229.66	10,095.8	-139.7	-164.5	0.00	0.00	0.00		
10,200.0	2.25	229.66	10,195.7	-142.2	-167.5	0.00	0.00	0.00		
10,300.0	2.25	229.66	10,295.6	-144.8	-170.5	0.00	0.00	0.00		
10,400.0	2.25	229.66	10,395.6	-147.3	-173.4	0.00	0.00	0.00		
10,500.0	2.25	229.66	10,495.5	-149.9	-176.4	0.00	0.00	0.00		
10,600.0	2.25	229.66	10,595.4	-152.4	-179.4	0.00	0.00	0.00		



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Brown Bear 36 State
Well: #702H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3344.0usft (H&P 260)
MD Reference: KB = 25 @ 3344.0usft (H&P 260)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
10,700.0	2.25	229.66	10,695.3	-154.9	-182.4	0.00	0.00	0.00		
10,800.0	2.25	229.66	10,795.2	-157.5	-185.4	0.00	0.00	0.00		
10,900.0	2.25	229.66	10,895.2	-160.0	-188.4	0.00	0.00	0.00		
11,000.0	2.25	229.66	10,995.1	-162.6	-191.4	0.00	0.00	0.00		
11,100.0	2.25	229.66	11,095.0	-165.1	-194.4	0.00	0.00	0.00		
11,200.0	2.25	229.66	11,194.9	-167.7	-197.4	0.00	0.00	0.00		
11,300.0	2.25	229.66	11,294.9	-170.2	-200.4	0.00	0.00	0.00		
11,400.0	2.25	229.66	11,394.8	-172.8	-203.4	0.00	0.00	0.00		
11,500.0	2.25	229.66	11,494.7	-175.3	-206.4	0.00	0.00	0.00		
11,600.0	2.25	229.66	11,594.6	-177.8	-209.4	0.00	0.00	0.00		
11,700.0	2.25	229.66	11,694.5	-180.4	-212.4	0.00	0.00	0.00		
11,800.0	2.25	229.66	11,794.5	-182.9	-215.4	0.00	0.00	0.00		
11,900.0	2.25	229.66	11,894.4	-185.5	-218.4	0.00	0.00	0.00		
12,000.0	2.25	229.66	11,994.3	-188.0	-221.4	0.00	0.00	0.00		
12,100.0	2.25	229.66	12,094.2	-190.6	-224.4	0.00	0.00	0.00		
12,200.0	2.25	229.66	12,194.2	-193.1	-227.4	0.00	0.00	0.00		
12,293.8	2.25	229.66	12,287.9	-195.5	-230.2	0.00	0.00	0.00		
12,300.0	1.91	244.13	12,294.1	-195.6	-230.4	10.00	-5.44	232.14		
12,350.0	4.52	337.13	12,344.0	-194.2	-231.9	10.00	5.21	186.00		
12,400.0	9.34	349.00	12,393.6	-188.4	-233.5	10.00	9.63	23.73		
12,450.0	14.28	352.77	12,442.6	-178.3	-235.0	10.00	9.89	7.53		
12,500.0	19.25	354.82	12,490.4	-163.9	-236.6	10.00	9.94	3.70		
12,550.0	24.24	355.73	12,536.9	-145.5	-238.1	10.00	9.97	2.23		
12,600.0	29.22	356.48	12,581.5	-123.1	-239.6	10.00	9.98	1.50		
12,650.0	34.22	357.03	12,624.0	-96.8	-241.1	10.00	9.98	1.10		
12,700.0	39.21	357.46	12,664.1	-67.0	-242.5	10.00	9.99	0.85		
12,750.0	44.20	357.80	12,701.4	-33.7	-243.9	10.00	9.99	0.68		



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Brown Bear 36 State
Well: #702H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3344.0usft (H&P 260)
MD Reference: KB = 25 @ 3344.0usft (H&P 260)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (*/100usft)	Build (*/100usft)	Turn (*/100usft)	High to Plan (usft)	Right to Plan (usft)
12,800.0	49.20	358.08	12,735.7	2.6	-245.2	10.00	9.99	0.57		
12,850.0	54.20	358.33	12,766.7	41.8	-246.4	10.00	9.99	0.49		
12,900.0	59.19	358.54	12,794.1	83.6	-247.6	10.00	9.99	0.43		
12,938.8	63.07	358.70	12,812.8	117.5	-248.4	10.00	9.99	0.39		
FTP(BB 26 State #702H)										
12,950.0	64.19	358.74	12,817.8	127.6	-248.6	10.00	9.99	0.38		
13,000.0	69.19	358.92	12,837.6	173.5	-249.5	10.00	9.99	0.36		
13,050.0	74.19	359.09	12,853.3	220.9	-250.4	10.00	9.99	0.34		
13,100.0	79.18	359.24	12,864.8	269.5	-251.1	10.00	10.00	0.32		
13,150.0	84.18	359.40	12,872.0	319.0	-251.7	10.00	10.00	0.31		
13,200.0	89.18	359.55	12,874.9	368.9	-252.1	10.00	10.00	0.30		
13,208.2	90.00	359.58	12,875.0	377.1	-252.2	10.00	10.00	0.30		
13,300.0	90.00	359.58	12,875.0	468.9	-252.9	0.00	0.00	0.00		
13,400.0	90.00	359.58	12,875.0	568.9	-253.6	0.00	0.00	0.00		
13,500.0	90.00	359.58	12,875.0	668.9	-254.3	0.00	0.00	0.00		
13,600.0	90.00	359.58	12,875.0	768.9	-255.1	0.00	0.00	0.00		
13,700.0	90.00	359.58	12,875.0	868.9	-255.8	0.00	0.00	0.00		
13,800.0	90.00	359.58	12,875.0	968.9	-256.6	0.00	0.00	0.00		
13,900.0	90.00	359.58	12,875.0	1,068.9	-257.3	0.00	0.00	0.00		
14,000.0	90.00	359.58	12,875.0	1,168.9	-258.0	0.00	0.00	0.00		
14,100.0	90.00	359.58	12,875.0	1,268.9	-258.8	0.00	0.00	0.00		
14,200.0	90.00	359.58	12,875.0	1,368.9	-259.5	0.00	0.00	0.00		
14,300.0	90.00	359.58	12,875.0	1,468.9	-260.3	0.00	0.00	0.00		
14,400.0	90.00	359.58	12,875.0	1,568.9	-261.0	0.00	0.00	0.00		
14,500.0	90.00	359.58	12,875.0	1,668.9	-261.8	0.00	0.00	0.00		
14,600.0	90.00	359.58	12,875.0	1,768.9	-262.5	0.00	0.00	0.00		
14,700.0	90.00	359.58	12,875.0	1,868.9	-263.2	0.00	0.00	0.00		



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Brown Bear 36 State
Well: #702H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3344.0usft (H&P 260)
MD Reference: KB = 25 @ 3344.0usft (H&P 260)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey										
MD (usft)	Inc (")	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
14,800.0	90.00	359.58	12,875.0	1,968.9	-264.0	0.00	0.00	0.00		
14,900.0	90.00	359.58	12,875.0	2,068.9	-264.7	0.00	0.00	0.00		
15,000.0	90.00	359.58	12,875.0	2,168.9	-265.5	0.00	0.00	0.00		
15,100.0	90.00	359.58	12,875.0	2,268.8	-266.2	0.00	0.00	0.00		
15,200.0	90.00	359.58	12,875.0	2,368.8	-266.9	0.00	0.00	0.00		
15,300.0	90.00	359.58	12,875.0	2,468.8	-267.7	0.00	0.00	0.00		
15,400.0	90.00	359.58	12,875.0	2,568.8	-268.4	0.00	0.00	0.00		
15,500.0	90.00	359.58	12,875.0	2,668.8	-269.2	0.00	0.00	0.00		
15,600.0	90.00	359.58	12,875.0	2,768.8	-269.9	0.00	0.00	0.00		
15,700.0	90.00	359.58	12,875.0	2,868.8	-270.7	0.00	0.00	0.00		
15,800.0	90.00	359.58	12,875.0	2,968.8	-271.4	0.00	0.00	0.00		
15,900.0	90.00	359.58	12,875.0	3,068.8	-272.1	0.00	0.00	0.00		
16,000.0	90.00	359.58	12,875.0	3,168.8	-272.9	0.00	0.00	0.00		
16,100.0	90.00	359.58	12,875.0	3,268.8	-273.6	0.00	0.00	0.00		
16,200.0	90.00	359.58	12,875.0	3,368.8	-274.4	0.00	0.00	0.00		
16,300.0	90.00	359.58	12,875.0	3,468.8	-275.1	0.00	0.00	0.00		
16,400.0	90.00	359.58	12,875.0	3,568.8	-275.8	0.00	0.00	0.00		
16,500.0	90.00	359.58	12,875.0	3,668.8	-276.6	0.00	0.00	0.00		
16,600.0	90.00	359.58	12,875.0	3,768.8	-277.3	0.00	0.00	0.00		
16,700.0	90.00	359.58	12,875.0	3,868.8	-278.1	0.00	0.00	0.00		
16,800.0	90.00	359.58	12,875.0	3,968.8	-278.8	0.00	0.00	0.00		
16,900.0	90.00	359.58	12,875.0	4,068.8	-279.5	0.00	0.00	0.00		
17,000.0	90.00	359.58	12,875.0	4,168.8	-280.3	0.00	0.00	0.00		
17,100.0	90.00	359.58	12,875.0	4,268.8	-281.0	0.00	0.00	0.00		
17,200.0	90.00	359.58	12,875.0	4,368.8	-281.8	0.00	0.00	0.00		
17,300.0	90.00	359.58	12,875.0	4,468.8	-282.5	0.00	0.00	0.00		
17,400.0	90.00	359.58	12,875.0	4,568.8	-283.3	0.00	0.00	0.00		



EOG Resources, Inc.

EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Brown Bear 36 State
Well: #702H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #702H
TVD Reference: KB = 25 @ 3344.0usft (H&P 280)
MD Reference: KB = 25 @ 3344.0usft (H&P 260)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Single User Db

Planned Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	DLeg (°/100usft)	Build (°/100usft)	Turn (°/100usft)	High to Plan (usft)	Right to Plan (usft)
17,500.0	90.00	359.58	12,875.0	4,668.8	-284.0	0.00	0.00	0.00		
17,600.0	90.00	359.58	12,875.0	4,768.8	-284.7	0.00	0.00	0.00		
17,635.2	90.00	359.58	12,875.0	4,804.0	-285.0	0.00	0.00	0.00		

PBHL(BB 26 State #702H)

Checked By: _____ Approved By: _____ Date: _____