

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

FORM C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 42.378	² Pool Code 96794	³ Pool Name Wildcat; Wolfcamp Oil
⁴ Property Code 40175	⁵ Property Name TUMBLING DICE 2 STATE COM	⁶ Well Number #701H
⁷ OGRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3362'

¹⁰Surface Location

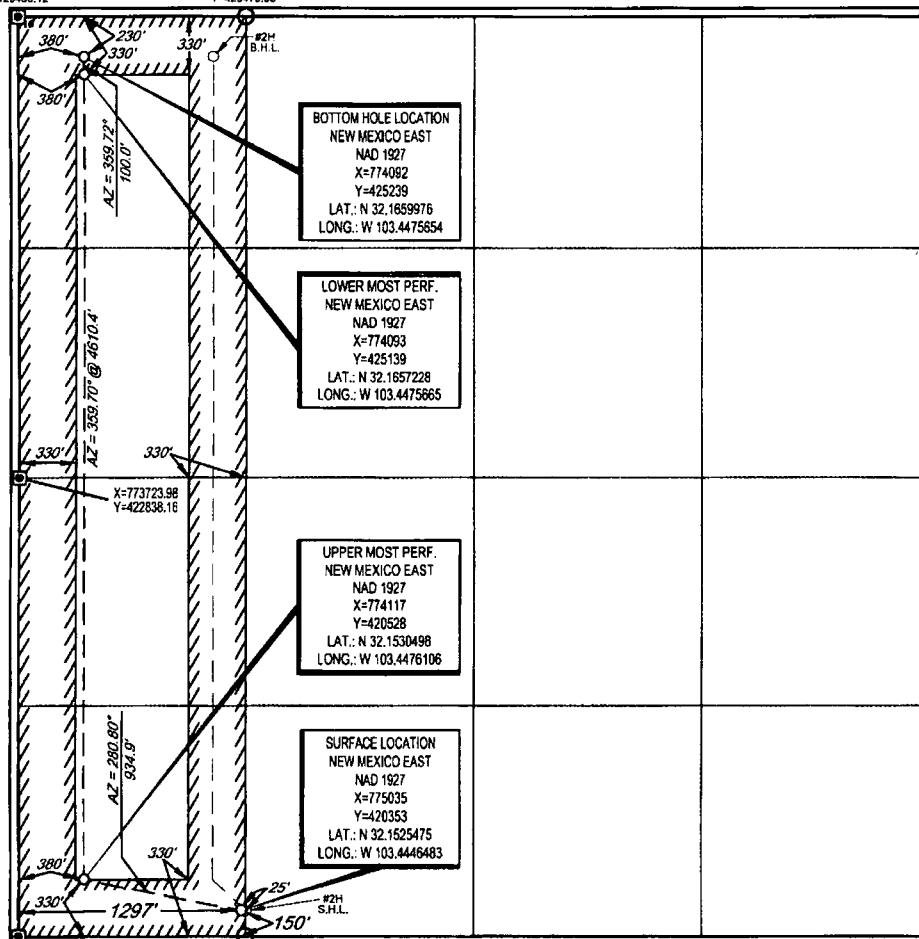
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	2	25-S	34-E	-	150'	SOUTH	1297'	WEST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	2	25-S	34-E	-	230'	NORTH	380'	WEST	LEA

¹¹ Dedicated Acres 159.73	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

X=773711.18
Y=423466.12
X=775030.74
Y=423475.55



¹⁷OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stan Wagner 1/21/15
Signature Date

Stan Wagner

Printed Name

E-mail Address

¹⁸SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

01/20/2015
Date of Survey
Signature of Professional Surveyor
NEW MEXICO
18329
PROFESSIONAL SURVEYOR
Certificate Number

X=773738.94
Y=420196.52
X=775060.98
Y=420203.47

Y:\SURVEY\EOG_MIDLAND\TUMBLING_DICE_2_STATE\FINAL_PRODUCTS\N.O_TUMBLINGDICE2STATECOM_701H.DWG 1/15/2015 2:04:07 PM jtarrosa

JAN 26 2015

Permit Information:

Well Name: Tumbling Dice 2 State Com No. 701H

Location:

SL: 150' FSL & 1297' FWL, Section 2, T-25-S, R-34-E, Lea Co., N.M.

BHL: 230' FNL & 380' FWL, Section 2, T-25-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
12.25"	0 – 1,200'	9.625"	40#	J55	STC	1.125	1.25	1.60
8.75"	0-11,500'	7"	26#	HCP-110	LTC	1.125	1.25	1.60
6.125"	0'-17,394'	4.5"	13.5#	HCP-110	BTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
1,200'	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
11,500' DV Tool @ 5,300'	300	10.8	3.68	Stage 1 Lead: Class C + 15.00 lbs/sk BA-90 + 4.00% MPA-5 + 3.00% SMS + 5.00% A-10 + 1.00% BA-10A + 0.80% ASA-301 + 2.90% R-21 + 8.00 lb/sk LCM-1 + 0.005 lb/sx Static Free
	200	14.2	1.32	Stage 1 Tail: Class H + 0.65% FL-52 + 0.6% CD-32 + 1.0% EC-1 + 0.65% SMS + 2.0% Salt + 0.2% R-21 + 0.005 gps FP-6L + 0.005 pps Static Free
	400	12.7	2.22	Stage 2 Lead: Class 'C' + 2.0% SMS + 10.0% Slat + 0.55% R-21 + 0.25 pps Celloflake + 0.005 pps Static Free (TOC @ Surface)
	200	14.8	1.35	Stage 2 Tail: Class 'C' + 0.60% FL-62 + 0.7% CD-32 + 0.3% SMS + 2.0% Salt + 0.10% R-3 + 0.005 pps Static Free + 0.005 gps FP-6L
17,394'	575	11.9	2.36	50:50:6 Class H + 0.20% FL-52 + 0.75% CD-32 + 1.0% EC-1 + 0.15% ASA-301 + 1.60% SMS + 5.0% Salt + 0.50% R-21 + 5.0 pps LCM-1 (TOC @ 10,850')
	450	14.2	1.35	50:50:2 Class H + 0.65% FL-52 + 0.70% CD-32 + 1.0% EC-1 + 0.40% SMS + 2.0% Salt + 0.05% R-3 + 0.005 pps Static Free + 0.005 gps FP-6L

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,200'	Fresh - Gel	8.6-8.8	28-34	N/c
1,200' – 11,500'	Oil Base	8.7-9.4	58-68	N/c - 6
11,500' – 12,073'	Oil Base	8.7-9.4	58-68	N/c - 6
12,073' – 17,394' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

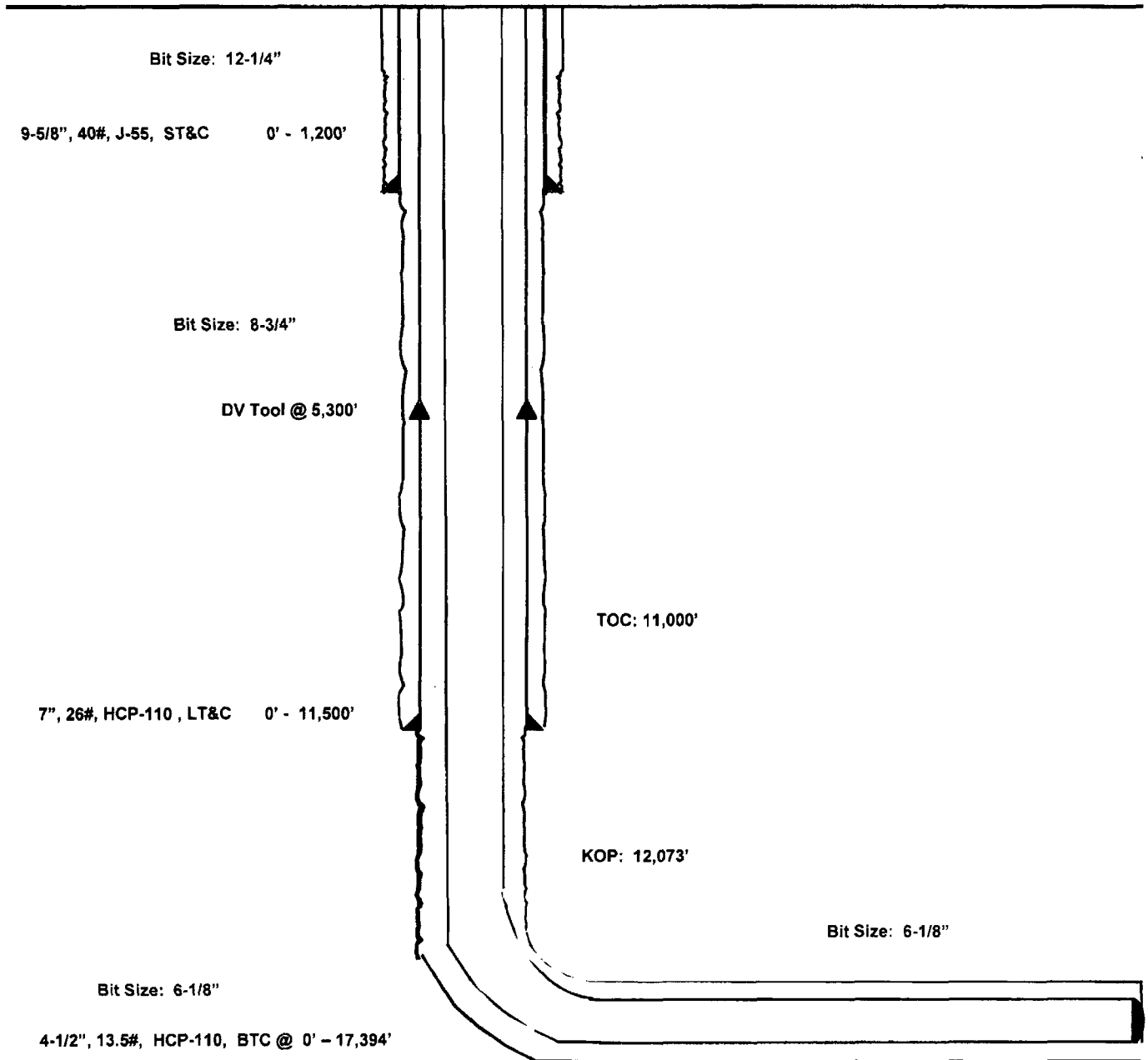
Tumbling Dice 2 State Com #701H

**Lea County, New Mexico
Proposed Wellbore**

**150' FSL
1297' FWL
Section 2
T-25-S, R-34-E**

API: 30-025-*****

**KB: 3,387'
GL: 3,362'**



Lateral: 17,394' MD, 12,580' TVD

**BH Location: 230' FNL & 380' FWL
Section 2
T-25-S, R-34-E**



Lea County, NM (NAD 27 NME)

Tumbling Dice 2 State Com #701H

Noram #30

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: -0.47°
Magnetic North: 6.67°
Magnetic Field
Strength: 48148.42nT
Dip Angle: 60.65°
Date: 2/20/2015
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.67°
To convert a Magnetic Direction to a True Direction, Add 7.14° East
To convert a True Direction to a Grid Direction, Subtract 0.47°

WELL DETAILS #701H

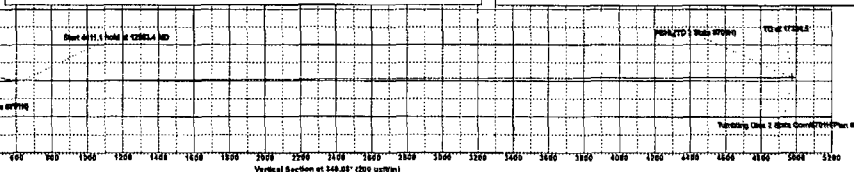
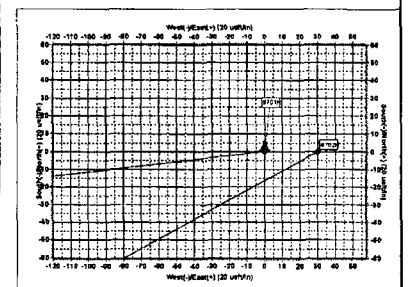
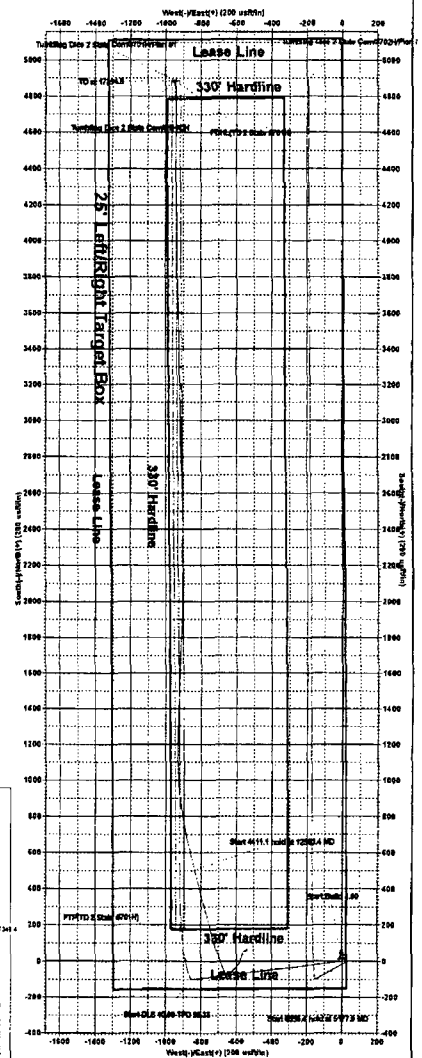
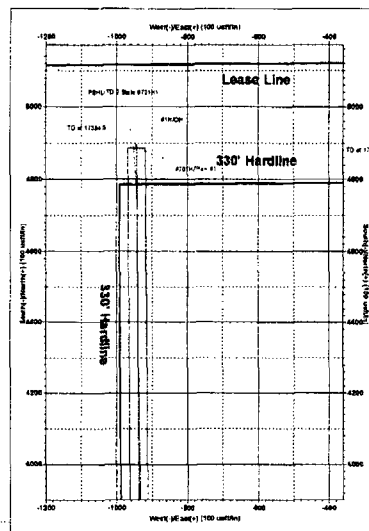
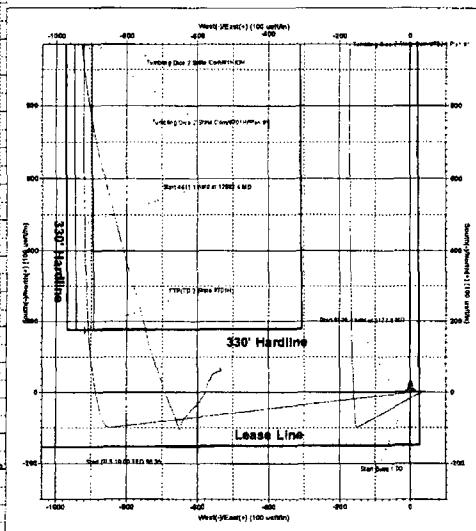
Ground Level: 3382.0
KB = 25 @ 3387 Depth (Noram #30)
Northing: 420363.00
Easting: 776035.00
Latitude: 32° 5' 9.168 N
Longitude: 103° 26' 40.738 W
Slat

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	5177.9	6.78	263.27	5176.3	-4.7	-39.8	1.00	263.27	2.9	
4	12073.4	6.78	263.27	12023.6	-100.0	-848.1	0.00	0.00	62.5	
5	12983.4	90.25	359.70	12600.0	475.0	-919.6	10.00	96.35	640.7	
6	17394.5	90.25	359.70	12580.8	4886.0	-943.0	0.00	0.00	4976.2	PBHL(TD 2 State #701H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name: PBHL(TD 2 State #701H)
TVD: 12580.8
+N-S: 4886.0
+E-W: -943.0
Northing: 426239.00
Easting: 774097.00
Shape: Rectangle (Sides: L:0.0 W:0.0)
Point



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Tumbling Dice 2 State Com

#701H

OH

Plan: Plan #1

Standard Planning Report

20 January, 2015

EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Tumbling Dice 2 State Com
Well: #701H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3387.0usft (Noram #30)
MD Reference: KB = 25 @ 3387.0usft (Noram #30)
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	Tumbling Dice 2 State Com				
Site Position:		Northing:	420,353.00 usft	Latitude:	32° 9' 9.168 N
From:	Map	Easting:	775,035.00 usft	Longitude:	103° 26' 40.738 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.47 °

Well	#701H					
Well Position	+N/-S	0.0 usft	Northing:	420,353.00 usft	Latitude:	32° 9' 9.168 N
	+E/-W	0.0 usft	Easting:	775,035.00 usft	Longitude:	103° 26' 40.738 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,362.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	2/20/2015	7.14	60.05	48,148

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	349.08

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	
5,177.9	6.78	263.27	5,176.3	-4.7	-39.8	1.00	1.00	0.00	263.27	
12,073.4	6.78	263.27	12,023.6	-100.0	-848.1	0.00	0.00	0.00	0.00	
12,983.4	90.25	359.70	12,600.0	475.0	-919.6	10.00	9.17	10.60	96.35	
17,394.5	90.25	359.70	12,580.8	4,886.0 ³	-943.0	0.00	0.00	0.00	0.00	PBHL(TD 2 State #70

EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Tumbling Dice 2 State Com
Well: #701H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3387.0usft (Noram #30)
MD Reference: KB = 25 @ 3387.0usft (Noram #30)
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	263.27	4,600.0	-0.1	-0.9	0.1	1.00	1.00	0.00
4,700.0	2.00	263.27	4,700.0	-0.4	-3.5	0.3	1.00	1.00	0.00
4,800.0	3.00	263.27	4,799.9	-0.9	-7.8	0.6	1.00	1.00	0.00
4,900.0	4.00	263.27	4,899.7	-1.6	-13.9	1.0	1.00	1.00	0.00
5,000.0	5.00	263.27	4,999.4	-2.6	-21.7	1.8	1.00	1.00	0.00
5,100.0	6.00	263.27	5,098.9	-3.7	-31.2	2.3	1.00	1.00	0.00
5,177.9	6.78	263.27	5,176.3	-4.7	-39.8	2.9	1.00	1.00	0.00
5,200.0	6.78	263.27	5,198.3	-5.0	-42.4	3.1	0.00	0.00	0.00

EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Tumbling Dice 2 State Com
 Well: #701H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #701H
 TVD Reference: KB = 25 @ 3387.0usft (Noram #30)
 MD Reference: KB = 25 @ 3387.0usft (Noram #30)
 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	6.78	263.27	5,297.6	-6.4	-54.1	4.0	0.00	0.00	0.00
5,400.0	6.78	263.27	5,396.9	-7.8	-65.8	4.9	0.00	0.00	0.00
5,500.0	6.78	263.27	5,496.2	-9.1	-77.5	5.7	0.00	0.00	0.00
5,600.0	6.78	263.27	5,595.5	-10.5	-89.3	6.6	0.00	0.00	0.00
5,700.0	6.78	263.27	5,694.8	-11.9	-101.0	7.4	0.00	0.00	0.00
5,800.0	6.78	263.27	5,794.1	-13.3	-112.7	8.3	0.00	0.00	0.00
5,900.0	6.78	263.27	5,893.4	-14.7	-124.4	9.2	0.00	0.00	0.00
6,000.0	6.78	263.27	5,992.7	-16.1	-136.2	10.0	0.00	0.00	0.00
6,100.0	6.78	263.27	6,092.0	-17.4	-147.9	10.9	0.00	0.00	0.00
6,200.0	6.78	263.27	6,191.3	-18.8	-159.6	11.8	0.00	0.00	0.00
6,300.0	6.78	263.27	6,290.6	-20.2	-171.3	12.6	0.00	0.00	0.00
6,400.0	6.78	263.27	6,389.9	-21.6	-183.0	13.5	0.00	0.00	0.00
6,500.0	6.78	263.27	6,489.2	-23.0	-194.8	14.4	0.00	0.00	0.00
6,600.0	6.78	263.27	6,588.5	-24.4	-206.5	15.2	0.00	0.00	0.00
6,700.0	6.78	263.27	6,687.8	-25.7	-218.2	16.1	0.00	0.00	0.00
6,800.0	6.78	263.27	6,787.1	-27.1	-229.9	17.0	0.00	0.00	0.00
6,900.0	6.78	263.27	6,886.4	-28.5	-241.7	17.8	0.00	0.00	0.00
7,000.0	6.78	263.27	6,985.7	-29.9	-253.4	18.7	0.00	0.00	0.00
7,100.0	6.78	263.27	7,085.0	-31.3	-265.1	19.5	0.00	0.00	0.00
7,200.0	6.78	263.27	7,184.3	-32.6	-276.8	20.4	0.00	0.00	0.00
7,300.0	6.78	263.27	7,283.6	-34.0	-288.6	21.3	0.00	0.00	0.00
7,400.0	6.78	263.27	7,382.9	-35.4	-300.3	22.1	0.00	0.00	0.00
7,500.0	6.78	263.27	7,482.2	-36.8	-312.0	23.0	0.00	0.00	0.00
7,600.0	6.78	263.27	7,581.5	-38.2	-323.7	23.9	0.00	0.00	0.00
7,700.0	6.78	263.27	7,680.8	-39.6	-335.4	24.7	0.00	0.00	0.00
7,800.0	6.78	263.27	7,780.1	-40.9	-347.2	25.6	0.00	0.00	0.00
7,900.0	6.78	263.27	7,879.4	-42.3	-358.9	26.5	0.00	0.00	0.00
8,000.0	6.78	263.27	7,978.7	-43.7	-370.6	27.3	0.00	0.00	0.00
8,100.0	6.78	263.27	8,078.0	-45.1	-382.3	28.2	0.00	0.00	0.00
8,200.0	6.78	263.27	8,177.3	-46.5	-394.1	29.0	0.00	0.00	0.00
8,300.0	6.78	263.27	8,276.6	-47.9	-405.8	29.9	0.00	0.00	0.00
8,400.0	6.78	263.27	8,375.9	-49.2	-417.5	30.8	0.00	0.00	0.00
8,500.0	6.78	263.27	8,475.2	-50.6	-429.2	31.6	0.00	0.00	0.00
8,600.0	6.78	263.27	8,574.5	-52.0	-441.0	32.5	0.00	0.00	0.00
8,700.0	6.78	263.27	8,673.8	-53.4	-452.7	33.4	0.00	0.00	0.00
8,800.0	6.78	263.27	8,773.1	-54.8	-464.4	34.2	0.00	0.00	0.00
8,900.0	6.78	263.27	8,872.4	-56.1	-476.1	35.1	0.00	0.00	0.00
9,000.0	6.78	263.27	8,971.7	-57.5	-487.8	36.0	0.00	0.00	0.00
9,100.0	6.78	263.27	9,071.0	-58.9	-499.6	36.8	0.00	0.00	0.00
9,200.0	6.78	263.27	9,170.3	-60.3	-511.3	37.7	0.00	0.00	0.00
9,300.0	6.78	263.27	9,269.6	-61.7	-523.0	38.6	0.00	0.00	0.00
9,400.0	6.78	263.27	9,368.9	-63.1	-534.7	39.4	0.00	0.00	0.00
9,500.0	6.78	263.27	9,468.2	-64.4	-546.5	40.3	0.00	0.00	0.00
9,600.0	6.78	263.27	9,567.5	-65.8	-558.2	41.1	0.00	0.00	0.00
9,700.0	6.78	263.27	9,666.8	-67.2	-569.9	42.0	0.00	0.00	0.00
9,800.0	6.78	263.27	9,766.1	-68.6	-581.6	42.9	0.00	0.00	0.00
9,900.0	6.78	263.27	9,865.4	-70.0	-593.4	43.7	0.00	0.00	0.00
10,000.0	6.78	263.27	9,964.7	-71.4	-605.1	44.6	0.00	0.00	0.00
10,100.0	6.78	263.27	10,064.0	-72.7	-616.8	45.5	0.00	0.00	0.00
10,200.0	6.78	263.27	10,163.3	-74.1	-628.5	46.3	0.00	0.00	0.00
10,300.0	6.78	263.27	10,262.6	-75.5	-640.2	47.2	0.00	0.00	0.00
10,400.0	6.78	263.27	10,361.9	-76.9	-652.0	48.1	0.00	0.00	0.00
10,500.0	6.78	263.27	10,461.2	-78.3	-663.7	48.9	0.00	0.00	0.00
10,600.0	6.78	263.27	10,560.5	-79.6	-675.4	49.8	0.00	0.00	0.00

EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Tumbling Dice 2 State Com
Well: #701H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well #701H
TVD Reference: KB = 25 @ 3387.0usft (Noram #30)
MD Reference: KB = 25 @ 3387.0usft (Noram #30)
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)
10,700.0	6.78	263.27	10,659.8	-81.0	-687.1	50.7	0.00	0.00	0.00
10,800.0	6.78	263.27	10,759.1	-82.4	-698.9	51.5	0.00	0.00	0.00
10,900.0	6.78	263.27	10,858.4	-83.8	-710.6	52.4	0.00	0.00	0.00
11,000.0	6.78	263.27	10,957.7	-85.2	-722.3	53.2	0.00	0.00	0.00
11,100.0	6.78	263.27	11,057.0	-86.6	-734.0	54.1	0.00	0.00	0.00
11,200.0	6.78	263.27	11,156.3	-87.9	-745.8	55.0	0.00	0.00	0.00
11,300.0	6.78	263.27	11,255.6	-89.3	-757.5	55.8	0.00	0.00	0.00
11,400.0	6.78	263.27	11,354.9	-90.7	-769.2	56.7	0.00	0.00	0.00
11,500.0	6.78	263.27	11,454.2	-92.1	-780.9	57.6	0.00	0.00	0.00
11,600.0	6.78	263.27	11,553.5	-93.5	-792.6	58.4	0.00	0.00	0.00
11,700.0	6.78	263.27	11,652.8	-94.9	-804.4	59.3	0.00	0.00	0.00
11,800.0	6.78	263.27	11,752.1	-96.2	-816.1	60.2	0.00	0.00	0.00
11,900.0	6.78	263.27	11,851.4	-97.6	-827.8	61.0	0.00	0.00	0.00
12,000.0	6.78	263.27	11,950.7	-99.0	-839.5	61.9	0.00	0.00	0.00
12,073.4	6.78	263.27	12,023.6	-100.0	-848.1	62.5	0.00	0.00	0.00
12,100.0	7.00	285.54	12,050.0	-99.8	-851.3	63.4	10.00	0.84	83.59
12,150.0	9.64	315.60	12,099.5	-96.0	-857.1	68.2	10.00	5.28	60.12
12,200.0	13.66	330.58	12,148.5	-87.8	-863.0	77.3	10.00	8.04	29.97
12,250.0	18.17	338.57	12,196.6	-75.4	-868.7	90.6	10.00	9.01	15.96
12,300.0	22.87	343.41	12,243.4	-58.8	-874.3	107.9	10.00	9.41	9.68
12,350.0	27.68	346.65	12,288.6	-38.2	-879.8	129.2	10.00	9.61	6.49
12,400.0	32.54	349.00	12,331.8	-13.7	-885.1	154.3	10.00	9.72	4.69
12,450.0	37.43	350.79	12,372.8	14.5	-890.1	182.9	10.00	9.79	3.58
12,500.0	42.35	352.22	12,411.1	46.2	-894.8	215.0	10.00	9.83	2.86
12,550.0	47.28	353.40	12,446.6	81.2	-899.2	250.1	10.00	9.86	2.37
12,600.0	52.22	354.41	12,478.9	119.1	-903.2	288.1	10.00	9.88	2.02
12,650.0	57.17	355.29	12,507.8	159.8	-906.9	328.7	10.00	9.90	1.76
12,700.0	62.12	356.08	12,533.0	202.8	-910.1	371.6	10.00	9.91	1.58
12,704.1	62.53	356.15	12,535.0	206.4	-910.3	375.2	10.00	9.91	1.50
FTP(TD 2 State #701H)									
12,750.0	67.08	356.80	12,554.5	247.8	-912.9	416.3	10.00	9.92	1.43
12,800.0	72.04	357.47	12,571.9	294.6	-915.2	462.7	10.00	9.92	1.34
12,850.0	77.00	358.10	12,585.3	342.7	-917.1	510.3	10.00	9.93	1.26
12,900.0	81.97	358.71	12,594.4	391.9	-918.4	558.8	10.00	9.93	1.21
12,950.0	86.93	359.30	12,599.2	441.6	-919.3	607.8	10.00	9.93	1.19
12,983.4	90.25	359.70	12,600.0	475.0	-919.6	640.7	10.00	9.93	1.17
13,000.0	90.25	359.70	12,600.0	491.6	-919.7	657.0	0.00	0.00	0.00
13,100.0	90.25	359.70	12,599.5	591.6	-920.2	755.3	0.00	0.00	0.00
13,200.0	90.25	359.70	12,599.1	691.6	-920.7	853.5	0.00	0.00	0.00
13,300.0	90.25	359.70	12,598.7	791.6	-921.3	951.8	0.00	0.00	0.00
13,400.0	90.25	359.70	12,598.2	891.6	-921.8	1,050.1	0.00	0.00	0.00
13,500.0	90.25	359.70	12,597.8	991.6	-922.3	1,148.4	0.00	0.00	0.00
13,600.0	90.25	359.70	12,597.4	1,091.6	-922.9	1,246.7	0.00	0.00	0.00
13,700.0	90.25	359.70	12,596.9	1,191.6	-923.4	1,345.0	0.00	0.00	0.00
13,800.0	90.25	359.70	12,596.5	1,291.6	-923.9	1,443.3	0.00	0.00	0.00
13,900.0	90.25	359.70	12,596.0	1,391.6	-924.5	1,541.5	0.00	0.00	0.00
14,000.0	90.25	359.70	12,595.6	1,491.6	-925.0	1,639.8	0.00	0.00	0.00
14,100.0	90.25	359.70	12,595.2	1,591.6	-925.5	1,738.1	0.00	0.00	0.00
14,200.0	90.25	359.70	12,594.7	1,691.6	-926.0	1,836.4	0.00	0.00	0.00
14,300.0	90.25	359.70	12,594.3	1,791.6	-926.6	1,934.7	0.00	0.00	0.00
14,400.0	90.25	359.70	12,593.9	1,891.6	-927.1	2,033.0	0.00	0.00	0.00
14,500.0	90.25	359.70	12,593.4	1,991.6	-927.6	2,131.3	0.00	0.00	0.00
14,600.0	90.25	359.70	12,593.0	2,091.6	-928.2	2,229.5	0.00	0.00	0.00

EOG Resources, Inc.

Planning Report

Database: EDM 5000.1 Single User Db
 Company: EOG Resources - Midland
 Project: Lea County, NM (NAD 27 NME)
 Site: Tumbling Dice 2 State Com
 Well: #701H
 Wellbore: OH
 Design: Plan #1

Local Co-ordinate Reference: Well #701H
 TVD Reference: KB = 25 @ 3387.0usft (Noram #30)
 MD Reference: KB = 25 @ 3387.0usft (Noram #30)
 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)
14,700.0	90.25	359.70	12,592.6	2,191.6	-928.7	2,327.8	0.00	0.00	0.00
14,800.0	90.25	359.70	12,592.1	2,291.5	-929.2	2,426.1	0.00	0.00	0.00
14,900.0	90.25	359.70	12,591.7	2,391.5	-929.8	2,524.4	0.00	0.00	0.00
15,000.0	90.25	359.70	12,591.2	2,491.5	-930.3	2,622.7	0.00	0.00	0.00
15,100.0	90.25	359.70	12,590.8	2,591.5	-930.8	2,721.0	0.00	0.00	0.00
15,200.0	90.25	359.70	12,590.4	2,691.5	-931.4	2,819.3	0.00	0.00	0.00
15,300.0	90.25	359.70	12,589.9	2,791.5	-931.9	2,917.6	0.00	0.00	0.00
15,400.0	90.25	359.70	12,589.5	2,891.5	-932.4	3,015.8	0.00	0.00	0.00
15,500.0	90.25	359.70	12,589.1	2,991.5	-932.9	3,114.1	0.00	0.00	0.00
15,600.0	90.25	359.70	12,588.6	3,091.5	-933.5	3,212.4	0.00	0.00	0.00
15,700.0	90.25	359.70	12,588.2	3,191.5	-934.0	3,310.7	0.00	0.00	0.00
15,800.0	90.25	359.70	12,587.8	3,291.5	-934.5	3,409.0	0.00	0.00	0.00
15,900.0	90.25	359.70	12,587.3	3,391.5	-935.1	3,507.3	0.00	0.00	0.00
16,000.0	90.25	359.70	12,586.9	3,491.5	-935.6	3,605.6	0.00	0.00	0.00
16,100.0	90.25	359.70	12,586.4	3,591.5	-936.1	3,703.8	0.00	0.00	0.00
16,200.0	90.25	359.70	12,586.0	3,691.5	-936.7	3,802.1	0.00	0.00	0.00
16,300.0	90.25	359.70	12,585.6	3,791.5	-937.2	3,900.4	0.00	0.00	0.00
16,400.0	90.25	359.70	12,585.1	3,891.5	-937.7	3,998.7	0.00	0.00	0.00
16,500.0	90.25	359.70	12,584.7	3,991.5	-938.3	4,097.0	0.00	0.00	0.00
16,600.0	90.25	359.70	12,584.3	4,091.5	-938.8	4,195.3	0.00	0.00	0.00
16,700.0	90.25	359.70	12,583.8	4,191.5	-939.3	4,293.6	0.00	0.00	0.00
16,800.0	90.25	359.70	12,583.4	4,291.5	-939.8	4,391.8	0.00	0.00	0.00
16,900.0	90.25	359.70	12,583.0	4,391.5	-940.4	4,490.1	0.00	0.00	0.00
17,000.0	90.25	359.70	12,582.5	4,491.5	-940.9	4,588.4	0.00	0.00	0.00
17,100.0	90.25	359.70	12,582.1	4,591.5	-941.4	4,686.7	0.00	0.00	0.00
17,200.0	90.25	359.70	12,581.6	4,691.5	-942.0	4,785.0	0.00	0.00	0.00
17,300.0	90.25	359.70	12,581.2	4,791.5	-942.5	4,883.3	0.00	0.00	0.00
17,394.5	90.25	359.70	12,580.8	4,886.0	-943.0	4,976.2	0.00	0.00	0.00

PBHL(TD 2 State #701H)

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL(TD 2 State #701H)	90.00	359.70	12,580.8	4,886.0	-943.0	425,239.00	774,092.00	32° 9' 57.593 N	103° 26' 51.239 W
- plan hits target center									
- Rectangle (sides W50.0 H0.0 D4,710.4)									
FTP(TD 2 State #701H)	0.00	0.00	12,600.0	175.0	-918.0	420,528.00	774,117.00	32° 9' 10.974 N	103° 26' 51.399 W
- plan misses target center by 72.6usft at 12704.1usft MD (12535.0 TVD, 206.4 N, -910.3 E)									
- Point									

EOG RESOURCES, INC.
TUMBLING DICE 2 STATE COM #701H

Hydrogen Sulfide Plan Summary

- A. All personnel shall receive proper H₂S training in accordance with Onshore Order III.C.3.a.
- B. Briefing Area: two perpendicular areas will be designated by signs and readily accessible.
- C. Required Emergency Equipment:

- Well control equipment
 - a. Flare line 150' from wellhead to be ignited by flare gun.
 - b. Choke manifold with a remotely operated choke.
 - c. Mud/gas separator
- Protective equipment for essential personnel.

Breathing apparatus:

- a. Rescue Packs (SCBA) — 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- b. Work/Escape packs — 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- c. Emergency Escape Packs — 4 packs shall be stored in the doghouse for emergency evacuation.

Auxiliary Rescue Equipment:

- a. Stretcher
- b. Two OSHA full body harness
- c. 100 ft 5/8 inch OSHA approved rope
- d. 1-20# class ABC fire extinguisher

- H₂S detection and monitoring equipment:

The stationary detector with three sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible @ 14 ppm. Calibrate a minimum of every 30 days or as needed. The sensors will be placed in the following places: Rig floor / Bell nipple / End of flow line or where well bore fluid is being discharged.

(Gas sample tubes will be stored in the safety trailer)

- Visual warning systems.
 - a. One color code condition sign will be placed at the entrance to the site reflecting the possible conditions at the site.
 - b. A colored condition flag will be on display, reflecting the current condition at the site at the time.
 - c. Two wind socks will be placed in strategic locations, visible from all angles.

EOG RESOURCES, INC.
TUMBLING DICE 2 STATE COM #701H

- **Mud program:**
The mud program has been designed to minimize the volume of H₂S circulated to surface. The operator will have the necessary mud products to minimize hazards while drilling in H₂S bearing zones.
- **Metallurgy:**
All drill strings, casings, tubing, wellhead, blowout preventer, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H₂S service.
- **Communication:**
Communication will be via cell phones and land lines where available.

EOG RESOURCES, INC.
TUMBLING DICE 2 STATE COM #701H

Emergency Assistance Telephone List

PUBLIC SAFETY: **911 or**

Lea County Sheriff's Department (575) 396-3611

Rod Coffman

Fire Department:

Carlsbad (575) 885-3125

Artesia (575) 746-5050

Hospitals:

Carlsbad (575) 887-4121

Artesia (575) 748-3333

Hobbs (575) 392-1979

Dept. of Public Safety/Carlsbad (575) 748-9718

Highway Department (575) 885-3281

New Mexico Oil Conservation (575) 476-3440

U.S. Dept. of Labor (575) 887-1174

EOG Resources, Inc.

EOG / Midland Office (432) 686-3600

Company Drilling Consultants:

Jett Dueitt Cell (432) 230-4840

Blake Burney

Drilling Engineer

Robert Brosig Office (432) 686-3737

Cell (432) 770-0705

Drilling Manager

Lee Lohoefer Office (432) 686-6716

Cell (817) 374-9686

Drilling Superintendent

Jason Richey Office (432) 686-3665

Cell (817) 879-6521

H&P Drilling

H&P Drilling Office (432) 563-5757

H&P 415 Drilling Rig Rig (432) 230-4840

Tool Pusher:

Johnathan Craig Cell (817) 760-6374

Brad Garrett

Safety

Reggie Phillips (HSE Manager) Office (432) 686-3747

Cell (432) 250-7507