

Revised Permit Information 11/23/15:

HOBBS OCN

Well Name: Tayberries 13 State No. 501H

DEC 01 2015

Location:

SL: 230' FNL & 2303' FEL, Section 13, T-20-S, R-35-E, Lea Co., N.M.

BHL: 230' FSL & 2319' FEL, Section 13, T-20-S, R-35-E, Lea Co., N.M.

RECEIVED

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
14.75"	0 - 2,010'	10.75"	40.5	J55	STC	1.125	1.25	1.60
9.875"	0-5,800'	7.625"	29.7#	HCP110	LTC	1.125	1.25	1.60
6.75"	0'-9,200'	5.5"	20#	P-110	LTC	1.125	1.25	1.60
6.75"	9,200'-14,815'	5"	23.2#	P-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
2,010'	600	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)
	300	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,800'	500	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)
	250	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
14,815'	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 @ 5,300')
	300	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 - 2,010'	Fresh - Gel	8.6-8.8	28-34	N/c
2,010' - 5,800'	Brine	10.0-10.2	28-34	N/c
5,800' - 9,457'	Cut Brine	8.6-9.3	28-34	N/c
9,457' - 14,815' Lateral	Cut Brine	9.0-9.5	40-42	N/c

DEC 02 2015

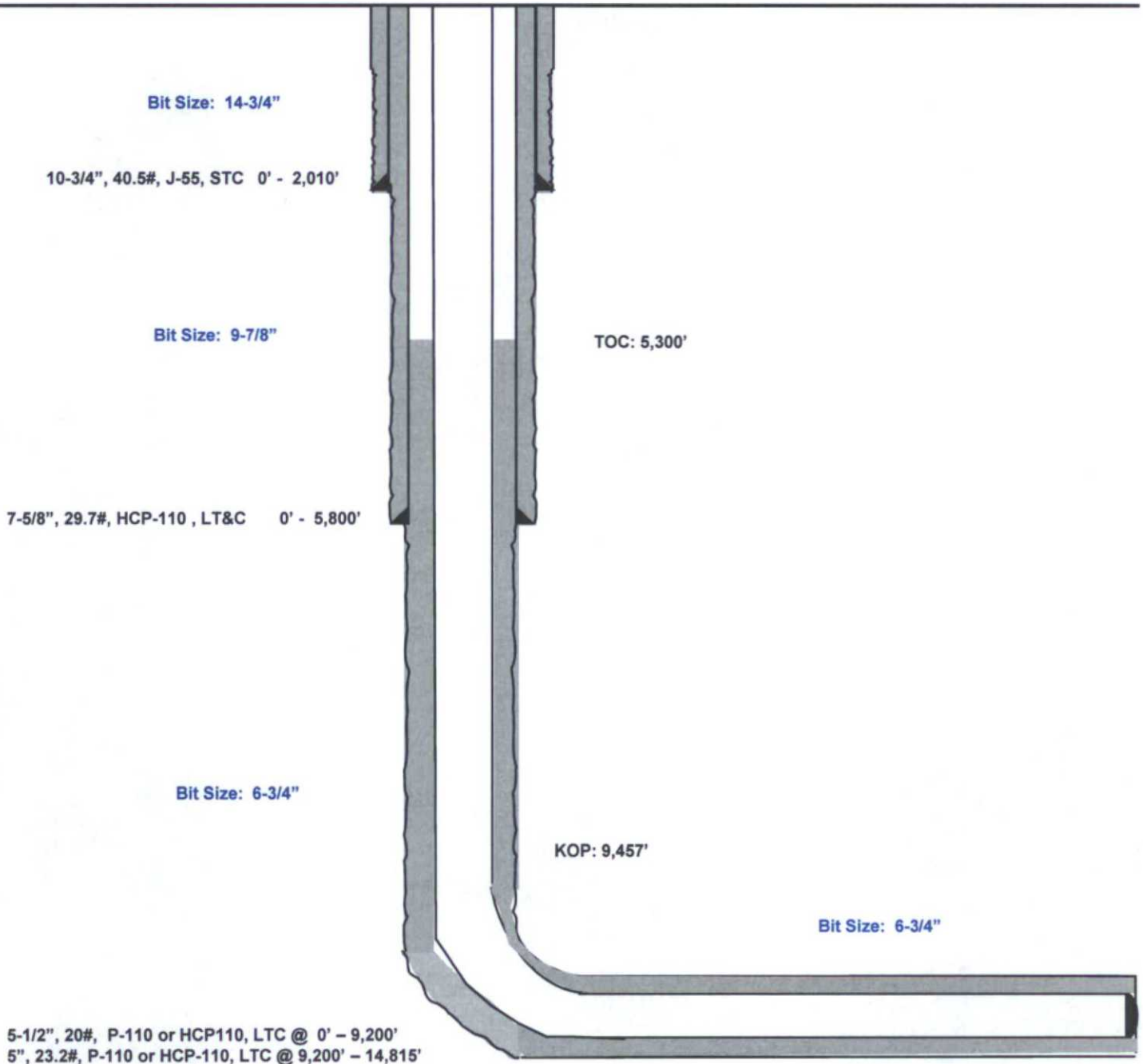
jm

Tayberries 13 State #501H
Lea County, New Mexico

250' FNL
2303' FEL
Section 13
T-20-S, R-35-E

Proposed Wellbore
Revised 11/23/15
API: 30-025-42731

KB: 3,672'
GL: 3,647'



Lateral: 14,815' MD, 10,050' TVD

BH Location: 230' FSL & 2319' FEL
Section 13
T-20-S, R-35-E



Lea County, NM (NAD 27 NME)

Tayberries 13 State

#501H

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



Azimuths to Grid North
True North: -5.59°
Magnetic North: 6.57°
Magnetic Field
Strength: 48319.3nT
Dip Angle: 60.44°
Date: 12/20/2015
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.97°
To convert a Magnetic Direction to a True Direction, Add 7.06° East
To convert a True Direction to a Grid Direction, Subtract 0.90°

WELL DETAILS: #501H

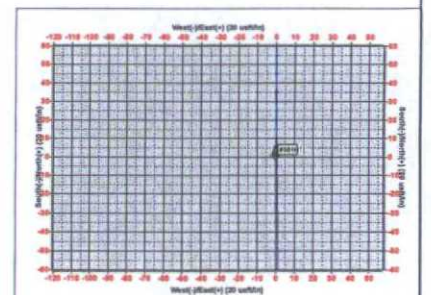
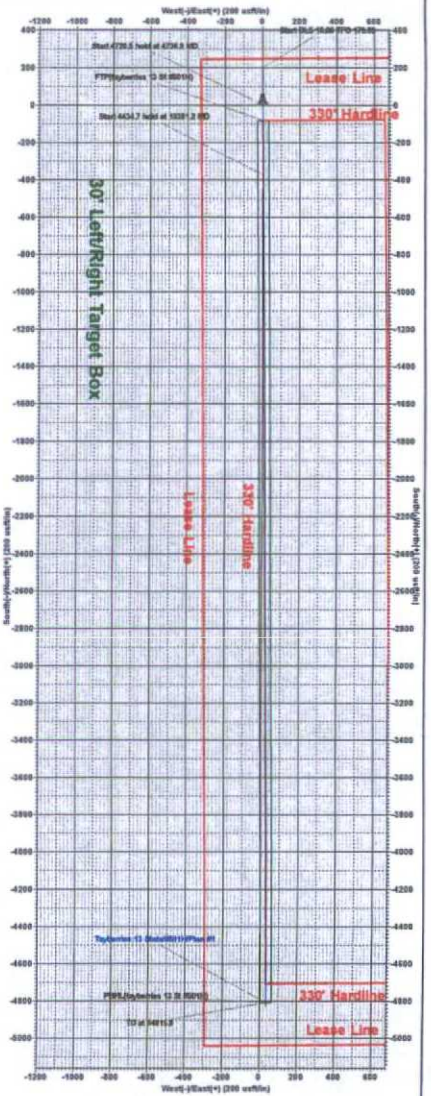
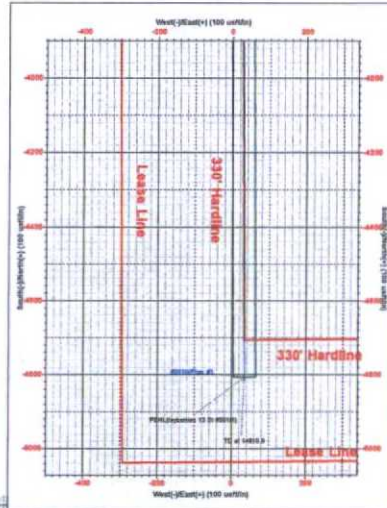
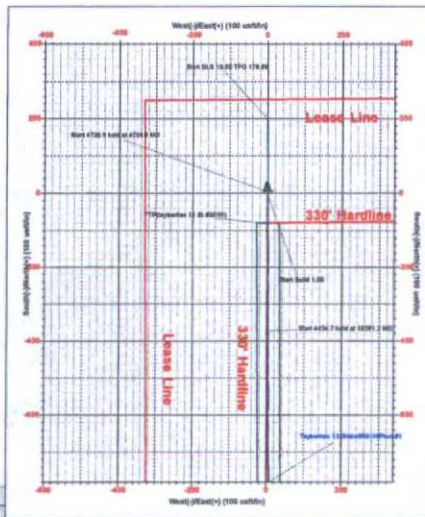
Ground Level: 3647.0
HS = 25 @ 3672.0 (H&P 260)
Easting: 754961.0022 34' 48.862 N
Northing: 575237.00
Longitude: 103° 24' 33.163 W

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	0.00	0.00	0.00	0.0	
2	4500.0	0.00	0.00	4500.0	0.0	0.00	0.00	0.00	0.0	
3	4736.9	2.37	359.71	4736.9	4.9	0.0	1.00	359.71	-4.9	
4	9457.5	2.37	359.71	9453.4	200.0	-1.0	0.00	0.00	-200.0	
5	10381.2	90.00	179.60	10050.0	-372.4	3.0	10.00	179.89	372.4	
6	14815.9	90.00	179.60	10050.0	-4807.0	34.0	0.00	0.00	4807.1	PBHL(tayberries 13 St #501H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting	Shape
FTP(tayberries 13 St #501H)	10050.0	-60.9	1.9	575797.00	754462.00	Point
PBHL(tayberries 13 St #501H)	10050.0	-4807.0	34.0	571020.00	754696.00	Rectangle (Sides: L2.0 W60.0)



Lea County, NM (NAD 27 NME)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level



EOG Resources - Midland

Lea County, NM (NAD 27 NME)

Tayberries 13 State

#501H

OH

Plan: Plan #1

EOG PVA

12 August, 2015



EOG Resources, Inc.
EOG PVA

Company:	EOG Resources - Midland	Local Co-ordinate Reference:	Well #501H
Project:	Lea County, NM (NAD 27 NME)	TVD Reference:	KB = 25 @ 3672.0usft (H&P 260)
Site:	Tayberries 13 State	MID Reference:	KB = 25 @ 3672.0usft (H&P 260)
Well:	#501H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	Plan #1	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM (NAD 27 NME)	System Datum:	Mean Sea Level
Map System:	US State Plane 1927 (Exact solution)		
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	Tayberries 13 State		
Site Position:			
From:	Map	Northing:	575,837.00 usft
Position Uncertainty:	0.0 usft	Easting:	784,661.00 usft
		Slot Radius:	13-3/16 "
		Latitude:	32° 34' 46.862 N
		Longitude:	103° 24' 33.163 W
		Grid Convergence:	0.50 °

Well	#501H		
Well Position	+N/-S +E/-W	Northing:	575,837.00 usft
		Easting:	784,661.00 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft
		Latitude:	32° 34' 46.862 N
		Longitude:	103° 24' 33.163 W
		Ground Level:	3,647.0 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Dip Angle
	IGRF2015	12/20/2015	60.44
		Declination	Field Strength
		(°)	(nT)
		7.06	48,319

Design	Plan #1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	Direction
	(usft)	(usft)	(°)
	0.0	0.0	179.59
		+E/-W	
		(usft)	
		0.0	

Survey Tool Program	Date	8/12/2015	
From	To		
(usft)	(usft)		
0.0	14,815.9	Plan #1 (OH)	
		Survey (Wellbore)	
		Tool Name	Description
		MWD	MWD - Standard



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Site: Tayberries 13 State
Well: #501H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #501H
KB = 25 @ 3672.0usft (H&P 260)
KB = 25 @ 3672.0usft (H&P 260)
Grid
Minimum Curvature
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)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.00	0.00	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	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.00	0.00	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	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	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	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	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	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.00	0.00	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	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.00	0.00	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	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.00	0.00	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	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.00	0.00	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	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	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	0.00	0.00



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EOG PVA

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Site: Tayberries 13 State
Well: #501H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
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Database:

Well #501H
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KB = 25 @ 3672.0usft (H&P 260)
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Planned Survey

MD (usft)	Inc (°)	Azi (grid_north_azim)	TVD (usft)	N/S (usft)	E/W (usft)	D/Leg (°/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	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.00	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	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	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	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.00	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	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.00	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	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.00	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	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.00	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	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.00	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	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.00	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	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.00	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	0.00
4,600.0	1.00	359.71	4,600.0	0.9	0.0	1.00	1.00	0.00	0.00	0.00
4,700.0	2.00	359.71	4,700.0	3.5	0.0	1.00	1.00	0.00	0.00	0.00
4,736.9	2.37	359.71	4,736.9	4.9	0.0	1.00	1.00	0.00	0.00	0.00
4,800.0	2.37	359.71	4,799.9	7.5	0.0	0.00	0.00	0.00	0.00	0.00
4,900.0	2.37	359.71	4,899.8	11.6	-0.1	0.00	0.00	0.00	0.00	0.00
5,000.0	2.37	359.71	4,999.7	15.8	-0.1	0.00	0.00	0.00	0.00	0.00
5,100.0	2.37	359.71	5,099.6	19.9	-0.1	0.00	0.00	0.00	0.00	0.00
5,200.0	2.37	359.71	5,199.5	24.0	-0.1	0.00	0.00	0.00	0.00	0.00



EOG Resources, Inc.
EOG PVA

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Wellbore: OH
Design: Plan #1

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KB = 25 @ 3672.0usft (H&P 260)
KB = 25 @ 3672.0usft (H&P 260)
Grid
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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	2.37	359.71	5,299.5	28.2	-0.1	0.00	0.00	0.00	0.00	0.00
5,400.0	2.37	359.71	5,399.4	32.3	-0.2	0.00	0.00	0.00	0.00	0.00
5,500.0	2.37	359.71	5,499.3	36.4	-0.2	0.00	0.00	0.00	0.00	0.00
5,600.0	2.37	359.71	5,599.2	40.6	-0.2	0.00	0.00	0.00	0.00	0.00
5,700.0	2.37	359.71	5,699.1	44.7	-0.2	0.00	0.00	0.00	0.00	0.00
5,800.0	2.37	359.71	5,799.0	48.8	-0.2	0.00	0.00	0.00	0.00	0.00
5,900.0	2.37	359.71	5,898.9	53.0	-0.3	0.00	0.00	0.00	0.00	0.00
6,000.0	2.37	359.71	5,998.9	57.1	-0.3	0.00	0.00	0.00	0.00	0.00
6,100.0	2.37	359.71	6,098.8	61.2	-0.3	0.00	0.00	0.00	0.00	0.00
6,200.0	2.37	359.71	6,198.7	65.4	-0.3	0.00	0.00	0.00	0.00	0.00
6,300.0	2.37	359.71	6,298.6	69.5	-0.3	0.00	0.00	0.00	0.00	0.00
6,400.0	2.37	359.71	6,398.5	73.6	-0.4	0.00	0.00	0.00	0.00	0.00
6,500.0	2.37	359.71	6,498.4	77.8	-0.4	0.00	0.00	0.00	0.00	0.00
6,600.0	2.37	359.71	6,598.3	81.9	-0.4	0.00	0.00	0.00	0.00	0.00
6,700.0	2.37	359.71	6,698.3	86.1	-0.4	0.00	0.00	0.00	0.00	0.00
6,800.0	2.37	359.71	6,798.2	90.2	-0.5	0.00	0.00	0.00	0.00	0.00
6,900.0	2.37	359.71	6,898.1	94.3	-0.5	0.00	0.00	0.00	0.00	0.00
7,000.0	2.37	359.71	6,998.0	98.5	-0.5	0.00	0.00	0.00	0.00	0.00
7,100.0	2.37	359.71	7,097.9	102.6	-0.5	0.00	0.00	0.00	0.00	0.00
7,200.0	2.37	359.71	7,197.8	106.7	-0.5	0.00	0.00	0.00	0.00	0.00
7,300.0	2.37	359.71	7,297.7	110.9	-0.6	0.00	0.00	0.00	0.00	0.00
7,400.0	2.37	359.71	7,397.7	115.0	-0.6	0.00	0.00	0.00	0.00	0.00
7,500.0	2.37	359.71	7,497.6	119.1	-0.6	0.00	0.00	0.00	0.00	0.00
7,600.0	2.37	359.71	7,597.5	123.3	-0.6	0.00	0.00	0.00	0.00	0.00
7,700.0	2.37	359.71	7,697.4	127.4	-0.6	0.00	0.00	0.00	0.00	0.00
7,800.0	2.37	359.71	7,797.3	131.5	-0.7	0.00	0.00	0.00	0.00	0.00
7,900.0	2.37	359.71	7,897.2	135.7	-0.7	0.00	0.00	0.00	0.00	0.00



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EOG PVA

Company: EOG Resources - Midland
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Wellbore: OH
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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)
8,000.0	2.37	359.71	7,997.1	139.8	-0.7	0.00	0.00	0.00	0.00	0.00
8,100.0	2.37	359.71	8,097.1	143.9	-0.7	0.00	0.00	0.00	0.00	0.00
8,200.0	2.37	359.71	8,197.0	148.1	-0.7	0.00	0.00	0.00	0.00	0.00
8,300.0	2.37	359.71	8,296.9	152.2	-0.8	0.00	0.00	0.00	0.00	0.00
8,400.0	2.37	359.71	8,396.8	156.3	-0.8	0.00	0.00	0.00	0.00	0.00
8,500.0	2.37	359.71	8,496.7	160.5	-0.8	0.00	0.00	0.00	0.00	0.00
8,600.0	2.37	359.71	8,596.6	164.6	-0.8	0.00	0.00	0.00	0.00	0.00
8,700.0	2.37	359.71	8,696.5	168.7	-0.8	0.00	0.00	0.00	0.00	0.00
8,800.0	2.37	359.71	8,796.5	172.9	-0.9	0.00	0.00	0.00	0.00	0.00
8,900.0	2.37	359.71	8,896.4	177.0	-0.9	0.00	0.00	0.00	0.00	0.00
9,000.0	2.37	359.71	8,996.3	181.1	-0.9	0.00	0.00	0.00	0.00	0.00
9,100.0	2.37	359.71	9,096.2	185.3	-0.9	0.00	0.00	0.00	0.00	0.00
9,200.0	2.37	359.71	9,196.1	189.4	-1.0	0.00	0.00	0.00	0.00	0.00
9,300.0	2.37	359.71	9,296.0	193.5	-1.0	0.00	0.00	0.00	0.00	0.00
9,400.0	2.37	359.71	9,395.9	197.7	-1.0	0.00	0.00	0.00	0.00	0.00
9,457.5	2.37	359.71	9,453.4	200.0	-1.0	0.00	0.00	0.00	0.00	0.00
9,500.0	1.88	179.46	9,495.9	200.2	-1.0	10.00	-1.14	422.52	0.00	0.00
9,550.0	6.88	179.56	9,545.7	196.4	-1.0	10.00	10.00	0.21	0.00	0.00
9,600.0	11.88	179.58	9,595.0	188.3	-0.9	10.00	10.00	0.03	0.00	0.00
9,650.0	16.88	179.58	9,643.5	175.8	-0.8	10.00	10.00	0.01	0.00	0.00
9,700.0	21.88	179.59	9,690.6	159.2	-0.7	10.00	10.00	0.01	0.00	0.00
9,750.0	26.88	179.59	9,736.1	138.6	-0.6	10.00	10.00	0.00	0.00	0.00
9,800.0	31.88	179.59	9,779.7	114.1	-0.4	10.00	10.00	0.00	0.00	0.00
9,850.0	36.88	179.59	9,820.9	85.9	-0.2	10.00	10.00	0.00	0.00	0.00
9,900.0	41.88	179.59	9,859.6	54.1	0.0	10.00	10.00	0.00	0.00	0.00
9,950.0	46.88	179.60	9,895.3	19.2	0.3	10.00	10.00	0.00	0.00	0.00
10,000.0	51.88	179.60	9,927.8	-18.8	0.6	10.00	10.00	0.00	0.00	0.00



EOG Resources, Inc.
EOG PVA

Company: EOG Resources - Midland
Project: Lea County, NM (NAD 27 NME)
Site: Tayberries 13 State
Well: #501H
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

Well #501H
KB = 25 @ 3672.0usft (H&P 260)
KB = 25 @ 3672.0usft (H&P 260)
Grid
Minimum Curvature
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)
10,050.0	56.88	179.60	9,956.9	-59.4	0.8	10.00	10.00	0.00	0.00	
10,100.0	61.88	179.60	9,982.4	-102.4	1.2	10.00	10.00	0.00	0.00	
10,109.0	62.79	179.60	9,986.6	-110.4	1.2	10.00	10.00	0.00	0.00	
FTP(tayberries 13 St #501H)										
10,150.0	66.88	179.60	10,004.0	-147.5	1.5	10.00	10.00	0.00	0.00	
10,200.0	71.88	179.60	10,021.6	-194.3	1.8	10.00	10.00	0.00	0.00	
10,250.0	76.88	179.60	10,035.1	-242.4	2.1	10.00	10.00	0.00	0.00	
10,300.0	81.88	179.60	10,044.3	-291.5	2.5	10.00	10.00	0.00	0.00	
10,350.0	86.88	179.60	10,049.2	-341.3	2.8	10.00	10.00	0.00	0.00	
10,381.2	90.00	179.60	10,050.0	-372.4	3.0	10.00	10.00	0.00	0.00	
10,400.0	90.00	179.60	10,050.0	-391.3	3.2	0.00	0.00	0.00	0.00	
10,500.0	90.00	179.60	10,050.0	-491.3	3.9	0.00	0.00	0.00	0.00	
10,600.0	90.00	179.60	10,050.0	-591.3	4.6	0.00	0.00	0.00	0.00	
10,700.0	90.00	179.60	10,050.0	-691.2	5.3	0.00	0.00	0.00	0.00	
10,800.0	90.00	179.60	10,050.0	-791.2	6.0	0.00	0.00	0.00	0.00	
10,900.0	90.00	179.60	10,050.0	-891.2	6.7	0.00	0.00	0.00	0.00	
11,000.0	90.00	179.60	10,050.0	-991.2	7.4	0.00	0.00	0.00	0.00	
11,100.0	90.00	179.60	10,050.0	-1,091.2	8.1	0.00	0.00	0.00	0.00	
11,200.0	90.00	179.60	10,050.0	-1,191.2	8.8	0.00	0.00	0.00	0.00	
11,300.0	90.00	179.60	10,050.0	-1,291.2	9.5	0.00	0.00	0.00	0.00	
11,400.0	90.00	179.60	10,050.0	-1,391.2	10.2	0.00	0.00	0.00	0.00	
11,500.0	90.00	179.60	10,050.0	-1,491.2	10.9	0.00	0.00	0.00	0.00	
11,600.0	90.00	179.60	10,050.0	-1,591.2	11.6	0.00	0.00	0.00	0.00	
11,700.0	90.00	179.60	10,050.0	-1,691.2	12.2	0.00	0.00	0.00	0.00	
11,800.0	90.00	179.60	10,050.0	-1,791.2	12.9	0.00	0.00	0.00	0.00	
11,900.0	90.00	179.60	10,050.0	-1,891.2	13.6	0.00	0.00	0.00	0.00	
12,000.0	90.00	179.60	10,050.0	-1,991.2	14.3	0.00	0.00	0.00	0.00	



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12,100.0	90.00	179.60	10,050.0	-2,091.2	15.0	0.00	0.00	0.00	0.00	
12,200.0	90.00	179.60	10,050.0	-2,191.2	15.7	0.00	0.00	0.00	0.00	
12,300.0	90.00	179.60	10,050.0	-2,291.2	16.4	0.00	0.00	0.00	0.00	
12,400.0	90.00	179.60	10,050.0	-2,391.2	17.1	0.00	0.00	0.00	0.00	
12,500.0	90.00	179.60	10,050.0	-2,491.2	17.8	0.00	0.00	0.00	0.00	
12,600.0	90.00	179.60	10,050.0	-2,591.2	18.5	0.00	0.00	0.00	0.00	
12,700.0	90.00	179.60	10,050.0	-2,691.2	19.2	0.00	0.00	0.00	0.00	
12,800.0	90.00	179.60	10,050.0	-2,791.2	19.9	0.00	0.00	0.00	0.00	
12,900.0	90.00	179.60	10,050.0	-2,891.2	20.6	0.00	0.00	0.00	0.00	
13,000.0	90.00	179.60	10,050.0	-2,991.2	21.3	0.00	0.00	0.00	0.00	
13,100.0	90.00	179.60	10,050.0	-3,091.2	22.0	0.00	0.00	0.00	0.00	
13,200.0	90.00	179.60	10,050.0	-3,191.2	22.7	0.00	0.00	0.00	0.00	
13,300.0	90.00	179.60	10,050.0	-3,291.2	23.4	0.00	0.00	0.00	0.00	
13,400.0	90.00	179.60	10,050.0	-3,391.2	24.1	0.00	0.00	0.00	0.00	
13,500.0	90.00	179.60	10,050.0	-3,491.2	24.8	0.00	0.00	0.00	0.00	
13,600.0	90.00	179.60	10,050.0	-3,591.2	25.5	0.00	0.00	0.00	0.00	
13,700.0	90.00	179.60	10,050.0	-3,691.2	26.2	0.00	0.00	0.00	0.00	
13,800.0	90.00	179.60	10,050.0	-3,791.2	26.9	0.00	0.00	0.00	0.00	
13,900.0	90.00	179.60	10,050.0	-3,891.2	27.6	0.00	0.00	0.00	0.00	
14,000.0	90.00	179.60	10,050.0	-3,991.2	28.3	0.00	0.00	0.00	0.00	
14,100.0	90.00	179.60	10,050.0	-4,091.2	29.0	0.00	0.00	0.00	0.00	
14,200.0	90.00	179.60	10,050.0	-4,191.2	29.7	0.00	0.00	0.00	0.00	
14,300.0	90.00	179.60	10,050.0	-4,291.2	30.4	0.00	0.00	0.00	0.00	
14,400.0	90.00	179.60	10,050.0	-4,391.2	31.1	0.00	0.00	0.00	0.00	
14,500.0	90.00	179.60	10,050.0	-4,491.2	31.8	0.00	0.00	0.00	0.00	
14,600.0	90.00	179.60	10,050.0	-4,591.2	32.5	0.00	0.00	0.00	0.00	
14,700.0	90.00	179.60	10,050.0	-4,691.2	33.2	0.00	0.00	0.00	0.00	



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14,800.0	90.00	179.60	10,050.0	-4,791.1	33.9	0.00	0.00	0.00		
14,815.9	90.00	179.60	10,050.0	-4,807.0	34.0	0.00	0.00	0.00		
PBHL(tayberries 13 St #501H)										

Checked By: _____

Approved By: _____

Date: _____

EOG RESOURCES, INC.
TAYBERRIES 13 STATE #501H

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/Escapes 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.
TAYBERRIES 13 STATE #501H

- **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.
TAYBERRIES 13 STATE #501H

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

Heath Work Office (432) 686-6716

Cell (903) 780-1179

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