

Santa Fe Main Office

Phone: (505) 476-3441 Fax: (55) 476-3462

General Information

Phone: (505) 629-6116

Online Phone Directory Visit:

<https://www.emnrd.nm.gov/ocd/contact-us/>State of New Mexico
Energy, Minerals and Natural ResourcesForm C-103
Revised July 18, 2013OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐		WELL API NO. 30-025-53214 5. Indicate Type of Lease STATE ☒ FEE ☐ 6. State Oil & Gas Lease No.
2. Name of Operator EOG RESOURCES, INC.		7. Lease Name or Unit Agreement Name DRAGON 36 STATE 8. Well Number 221H
3. Address of Operator P.O. Box 2267 Midland, Texas 79702		9. OGRID Number 7377 10. Pool name or Wildcat 97900 - RED HILLS; UPPER BONE SPRING SHALE
4. Well Location Unit Letter N : 1130 feet from the NORTH line and 2464 feet from the WEST line Section 36 Township 24S Range 33E NMPM LEA County		
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3481' GR		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐
 CLOSED-LOOP SYSTEM ☐
 OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐
 OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG respectfully requests an amendment to our approved APD for this well to reflect the following changes:

Dragon 36 State 306H (FKA 221H) API #: 30-025-53214

Change name from Dragon 36 State 221H to Dragon 36 State 306H.

Change BHL from T-24-S, R-33-E, Sec 36, 100' FNL, 1610' FWL, LEA Co., NM, to T-24-S, R-33-E, Sec 36, 100' FNL, 2180' FWL, LEA Co., N.M.

Change target formation to First Bone Spring Sands.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kayla McConnell TITLE REGULATORY SPECIALIST DATE 08/29/2024

Type or print name KAYLA MCCONNELL E-mail address: KAYLA_MCCONNELL@EOGRESOURCES.COM PHONE: 432-265-6804

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☒ Amended Report
		☐ As Drilled	

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-53214	Pool Code 51020	Pool Name RED HILLS;LOWER BONE SPRING
Property Code 39643	Property Name DRAGON 36 STATE	Well Number 306H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Ground Level Elevation 3481'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
N	36	24-S	33-E	-	1130' S	2464' W	N 32.1699142	W 103.5266153	LEA

Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
C	36	24-S	33-E	-	100' N	2180' W	N 32.1810444	W 103.5275350	LEA

Dedicated Acres 320.00	Infill or Defining Well INFILL	Defining Well API 30-025-49282	Overlapping Spacing Unit (Y/N) N	Consolidated Code
Order Numbers LEASE WELL			Well Setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
N	36	24-S	33-E	-	50' S	2180' W	N 32.1669467	W 103.5275337	LEA

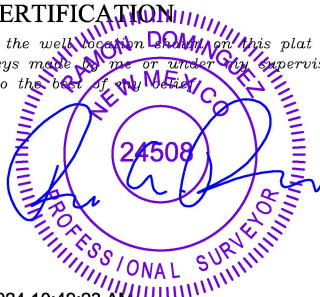
First Take Point (FTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
N	36	24-S	33-E	-	100' S	2180' W	N 32.1670842	W 103.5275337	LEA

Last Take Point (LTP)

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the N/S	Feet from the E/W	Latitude	Longitude	County
C	36	24-S	33-E	-	100' N	2180' W	N 32.1810444	W 103.5275350	LEA

Unitized Area or Area of Uniform Intrest	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation 3506'
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OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief; and, if the well is a vertical or directional well, 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> <i>If this well is a horizontal well, I further certify that this organization has received The consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i>  Date 08/29/2024		SURVEYORS CERTIFICATION <i>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 and correct to the best of my belief.</i>  8/26/2024 10:49:23 AM Signature and Seal of Professional Surveyor Date	
Signature KAYLA MCCONNELL		Signature and Seal of Professional Surveyor Date	
Print Name KAYLA_MCCONNELL@EOGRESOURCES.COM		Date of Survey 08/16/2024	
E-mail Address		Certificate Number	

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type:	☐ Initial Submittal
			☒ Amended Report
			☐ As Drilled
Property Name and Well Number DRAGON 36 STATE 306H			

SURFACE LOCATION (SHL) NEW MEXICO EAST NAD 1983 X=790952 Y=426485 LAT.: N 32.1699142 LONG.: W 103.5266153 NAD 1927 X=749767 Y=426427 LAT.: N 32.1697898 LONG.: W 103.5261417 1130' FSL 2464' FWL KICK OFF POINT (KOP) NEW MEXICO EAST NAD 1983 X=790676 Y=425404 LAT.: N 32.1669467 LONG.: W 103.5275337 NAD 1927 X=749490 Y=425345 LAT.: N 32.1668224 LONG.: W 103.5270602 50' FSL 2180' FWL	The map shows a rectangular lease well area. Key points include: SHL (Surface Location) at the top right, LMP (Lower Most Perf.) and BHL (Bottom Hole Location) near the center, UMP (Upper Most Perf.) at the bottom right, and KOP (Kick Off Point) at the bottom left. The map includes bearings (AZ = 194.32°, 1116.3°, 359.57°, 5078.8°) and distances (100', 1130', 2464', 1116.3', 462', 177', 50.0'). It also shows the state boundary (STATE NM LG-4235) and the horizontal spacing unit (HZ SPACING UNIT). Coordinates for various points are provided, such as X=788456.14, Y=430621.16 and X=791095.97, Y=430634.73.	UPPER MOST PERF. (UMP) NEW MEXICO EAST NAD 1983 X=790675 Y=425454 LAT.: N 32.1670842 LONG.: W 103.5275337 NAD 1927 X=749490 Y=425395 LAT.: N 32.1669598 LONG.: W 103.5270602 100' FSL 2180' FWL LOWER MOST PERF. (LMP) BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST NAD 1983 X=790637 Y=430532 LAT.: N 32.1810444 LONG.: W 103.5275350 NAD 1927 X=749452 Y=430474 LAT.: N 32.1809202 LONG.: W 103.5270607 100' FNL 2180' FWL
SURVEYORS 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 and correct to the best of my belief. 08/16/2024 Date of Survey Signature and Seal of Professional Surveyor:		



EOG Batch Casing

Pad Name: Dragon 36 State

SHL: Section 36, Township 24-S, Range 33-E, LEA County, NM

EOG requests for the below wells to be approved for all designs listed in the Blanket Casing Design ('EOG BLM Variance 5a - Alternate Shallow Casing Designs.pdf' OR 'EOG BLM Variance 5b - Alternate Deep Casing Designs.pdf') document. The MDs and TVDs for all intervals are within the boundary conditions. The max inclination and DLS are also within the boundary conditions. The directional plans for the wells are attached separately.

Well Name	API #	Surface		Intermediate		Production	
		MD	TVD	MD	TVD	MD	TVD
Dragon 36 State #307H (FKA 201H)	30-025-53213	1,320	1,320	5,589	5,281	15,517	10,316
Dragon 36 State #306H (FKA 221H)	30-025-53214	1,320	1,320	5,390	5,281	15,343	10,316
Dragon 36 State #222H	30-025-53215	1,320	1,320	5,812	5,281	15,275	9,899
Dragon 36 State #220H (FKA 304H)	30-025-53216	1,320	1,320	5,450	5,281	20,714	9,899
Dragon 36 State #202H (FKA 305H)	30-025-53217	1,320	1,320	5,685	5,281	15,178	9,899



EOG Batch Casing

Variances

EOG requests the additional variance(s) in the attached document(s):

- EOG BLM Variance 2a - Intermediate Bradenhead Cement
- EOG BLM Variance 3a_b - BOP Break-test and Offline Intermediate Cement
- EOG BLM Variance 4a - Salt Section Annular Clearance
- EOG BLM Variance 5a - Alternate Shallow Casing Designs



EOG Batch Casing

GEOLOGIC NAME OF SURFACE FORMATION:

Permian

ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1,200'
Tamarisk Anhydrite	1,288'
Top of Salt	1,693'
Base of Salt	5,181'
Lamar	5,221'
Bell Canyon	5,238'
Cherry Canyon	6,277'
Brushy Canyon	7,793'
Bone Spring Lime	9,245'
Leonard (Avalon) Shale	9,320'
1st Bone Spring Sand	10,210'
2nd Bone Spring Shale	10,530'
2nd Bone Spring Sand	10,818'

ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400'	Fresh Water
Bell Canyon	5,238'	Oil
Cherry Canyon	6,277'	Oil
Brushy Canyon	7,793'	Oil
Leonard (Avalon) Shale	9,320'	Oil
1st Bone Spring Sand	10,210'	Oil
2nd Bone Spring Shale	10,530'	Oil
2nd Bone Spring Sand	10,818'	Oil

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting surface casing at 1,320' and circulating cement back to surface.



Midland

Lea County, NM (NAD 83 NME)

Dragon 36 State

#306H

OH

Plan: Plan #0.2

Standard Planning Report

27 August, 2024



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #306H
Company:	Midland	TVD Reference:	kb = 26' @ 3506.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3506.0usft
Site:	Dragon 36 State	North Reference:	Grid
Well:	#306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Dragon 36 State				
Site Position:		Northing:	426,079.00 usft	Latitude:	32° 10' 7.510 N
From:	Map	Easting:	793,102.00 usft	Longitude:	103° 31' 10.836 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	#306H					
Well Position	+N/-S	0.0 usft	Northing:	426,485.00 usft	Latitude:	32° 10' 11.687 N
	+E/-W	0.0 usft	Easting:	790,952.00 usft	Longitude:	103° 31' 35.813 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,481.0 usft
Grid Convergence:		0.43 °				

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	6/19/2024	6.17	59.75	47,151.87526213

Design	Plan #0.2				
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	355.55	

Plan Survey Tool Program	Date	8/27/2024			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	15,343.2	Plan #0.2 (OH)	EOG MWD+IFR1	
				MWD + IFR1	



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #306H
Company:	Midland	TVD Reference:	kb = 26' @ 3506.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3506.0usft
Site:	Dragon 36 State	North Reference:	Grid
Well:	#306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,049.8	11.00	194.32	2,046.5	-51.0	-13.0	2.00	2.00	0.00	194.32	
7,347.2	11.00	194.32	7,246.5	-1,030.0	-263.0	0.00	0.00	0.00	0.00	
7,897.0	0.00	0.00	7,793.0	-1,081.0	-276.0	2.00	-2.00	0.00	180.00	
9,942.5	0.00	0.00	9,838.5	-1,081.0	-276.0	0.00	0.00	0.00	0.00	KOP(Dragon 36 State
10,163.0	26.46	358.85	10,051.2	-1,031.0	-277.0	12.00	12.00	-0.52	358.85	FTP(Dragon 36 State
10,692.5	90.00	359.59	10,315.9	-603.6	-281.7	12.00	12.00	0.14	0.82	
15,343.2	90.00	359.59	10,316.0	4,047.0	-315.0	0.00	0.00	0.00	0.00	PBHL(Dragon 36 Stat



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #306H
Company:	Midland	TVD Reference:	kb = 26' @ 3506.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3506.0usft
Site:	Dragon 36 State	North Reference:	Grid
Well:	#306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	2.00	194.32	1,600.0	-1.7	-0.4	-1.7	2.00	2.00	0.00
1,700.0	4.00	194.32	1,699.8	-6.8	-1.7	-6.6	2.00	2.00	0.00
1,800.0	6.00	194.32	1,799.5	-15.2	-3.9	-14.9	2.00	2.00	0.00
1,900.0	8.00	194.32	1,898.7	-27.0	-6.9	-26.4	2.00	2.00	0.00
2,000.0	10.00	194.32	1,997.5	-42.2	-10.8	-41.2	2.00	2.00	0.00
2,049.8	11.00	194.32	2,046.5	-51.0	-13.0	-49.8	2.00	2.00	0.00
2,100.0	11.00	194.32	2,095.7	-60.2	-15.4	-58.9	0.00	0.00	0.00
2,200.0	11.00	194.32	2,193.9	-78.7	-20.1	-76.9	0.00	0.00	0.00
2,300.0	11.00	194.32	2,292.0	-97.2	-24.8	-95.0	0.00	0.00	0.00
2,400.0	11.00	194.32	2,390.2	-115.7	-29.5	-113.0	0.00	0.00	0.00
2,500.0	11.00	194.32	2,488.4	-134.2	-34.3	-131.1	0.00	0.00	0.00
2,600.0	11.00	194.32	2,586.5	-152.7	-39.0	-149.2	0.00	0.00	0.00
2,700.0	11.00	194.32	2,684.7	-171.1	-43.7	-167.2	0.00	0.00	0.00
2,800.0	11.00	194.32	2,782.9	-189.6	-48.4	-185.3	0.00	0.00	0.00
2,900.0	11.00	194.32	2,881.0	-208.1	-53.1	-203.3	0.00	0.00	0.00
3,000.0	11.00	194.32	2,979.2	-226.6	-57.9	-221.4	0.00	0.00	0.00
3,100.0	11.00	194.32	3,077.3	-245.1	-62.6	-239.5	0.00	0.00	0.00
3,200.0	11.00	194.32	3,175.5	-263.5	-67.3	-257.5	0.00	0.00	0.00
3,300.0	11.00	194.32	3,273.7	-282.0	-72.0	-275.6	0.00	0.00	0.00
3,400.0	11.00	194.32	3,371.8	-300.5	-76.7	-293.6	0.00	0.00	0.00
3,500.0	11.00	194.32	3,470.0	-319.0	-81.4	-311.7	0.00	0.00	0.00
3,600.0	11.00	194.32	3,568.2	-337.5	-86.2	-329.8	0.00	0.00	0.00
3,700.0	11.00	194.32	3,666.3	-356.0	-90.9	-347.8	0.00	0.00	0.00
3,800.0	11.00	194.32	3,764.5	-374.4	-95.6	-365.9	0.00	0.00	0.00
3,900.0	11.00	194.32	3,862.7	-392.9	-100.3	-383.9	0.00	0.00	0.00
4,000.0	11.00	194.32	3,960.8	-411.4	-105.0	-402.0	0.00	0.00	0.00
4,100.0	11.00	194.32	4,059.0	-429.9	-109.8	-420.1	0.00	0.00	0.00
4,200.0	11.00	194.32	4,157.2	-448.4	-114.5	-438.1	0.00	0.00	0.00
4,300.0	11.00	194.32	4,255.3	-466.8	-119.2	-456.2	0.00	0.00	0.00
4,400.0	11.00	194.32	4,353.5	-485.3	-123.9	-474.3	0.00	0.00	0.00
4,500.0	11.00	194.32	4,451.6	-503.8	-128.6	-492.3	0.00	0.00	0.00
4,600.0	11.00	194.32	4,549.8	-522.3	-133.4	-510.4	0.00	0.00	0.00
4,700.0	11.00	194.32	4,648.0	-540.8	-138.1	-528.4	0.00	0.00	0.00
4,800.0	11.00	194.32	4,746.1	-559.3	-142.8	-546.5	0.00	0.00	0.00
4,900.0	11.00	194.32	4,844.3	-577.7	-147.5	-564.6	0.00	0.00	0.00
5,000.0	11.00	194.32	4,942.5	-596.2	-152.2	-582.6	0.00	0.00	0.00
5,100.0	11.00	194.32	5,040.6	-614.7	-156.9	-600.7	0.00	0.00	0.00
5,200.0	11.00	194.32	5,138.8	-633.2	-161.7	-618.7	0.00	0.00	0.00



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #306H
Company:	Midland	TVD Reference:	kb = 26' @ 3506.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3506.0usft
Site:	Dragon 36 State	North Reference:	Grid
Well:	#306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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	11.00	194.32	5,237.0	-651.7	-166.4	-636.8	0.00	0.00	0.00
5,400.0	11.00	194.32	5,335.1	-670.2	-171.1	-654.9	0.00	0.00	0.00
5,500.0	11.00	194.32	5,433.3	-688.6	-175.8	-672.9	0.00	0.00	0.00
5,600.0	11.00	194.32	5,531.4	-707.1	-180.5	-691.0	0.00	0.00	0.00
5,700.0	11.00	194.32	5,629.6	-725.6	-185.3	-709.0	0.00	0.00	0.00
5,800.0	11.00	194.32	5,727.8	-744.1	-190.0	-727.1	0.00	0.00	0.00
5,900.0	11.00	194.32	5,825.9	-762.6	-194.7	-745.2	0.00	0.00	0.00
6,000.0	11.00	194.32	5,924.1	-781.0	-199.4	-763.2	0.00	0.00	0.00
6,100.0	11.00	194.32	6,022.3	-799.5	-204.1	-781.3	0.00	0.00	0.00
6,200.0	11.00	194.32	6,120.4	-818.0	-208.9	-799.3	0.00	0.00	0.00
6,300.0	11.00	194.32	6,218.6	-836.5	-213.6	-817.4	0.00	0.00	0.00
6,400.0	11.00	194.32	6,316.8	-855.0	-218.3	-835.5	0.00	0.00	0.00
6,500.0	11.00	194.32	6,414.9	-873.5	-223.0	-853.5	0.00	0.00	0.00
6,600.0	11.00	194.32	6,513.1	-891.9	-227.7	-871.6	0.00	0.00	0.00
6,700.0	11.00	194.32	6,611.2	-910.4	-232.4	-889.6	0.00	0.00	0.00
6,800.0	11.00	194.32	6,709.4	-928.9	-237.2	-907.7	0.00	0.00	0.00
6,900.0	11.00	194.32	6,807.6	-947.4	-241.9	-925.8	0.00	0.00	0.00
7,000.0	11.00	194.32	6,905.7	-965.9	-246.6	-943.8	0.00	0.00	0.00
7,100.0	11.00	194.32	7,003.9	-984.3	-251.3	-961.9	0.00	0.00	0.00
7,200.0	11.00	194.32	7,102.1	-1,002.8	-256.0	-979.9	0.00	0.00	0.00
7,300.0	11.00	194.32	7,200.2	-1,021.3	-260.8	-998.0	0.00	0.00	0.00
7,347.2	11.00	194.32	7,246.5	-1,030.0	-263.0	-1,006.5	0.00	0.00	0.00
7,400.0	9.94	194.32	7,298.5	-1,039.3	-265.4	-1,015.6	2.00	-2.00	0.00
7,500.0	7.94	194.32	7,397.3	-1,054.4	-269.2	-1,030.3	2.00	-2.00	0.00
7,600.0	5.94	194.32	7,496.5	-1,066.1	-272.2	-1,041.8	2.00	-2.00	0.00
7,700.0	3.94	194.32	7,596.1	-1,074.4	-274.3	-1,049.9	2.00	-2.00	0.00
7,800.0	1.94	194.32	7,696.0	-1,079.4	-275.6	-1,054.8	2.00	-2.00	0.00
7,897.0	0.00	0.00	7,793.0	-1,081.0	-276.0	-1,056.3	2.00	-2.00	0.00
7,900.0	0.00	0.00	7,796.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
8,000.0	0.00	0.00	7,896.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
8,100.0	0.00	0.00	7,996.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
8,200.0	0.00	0.00	8,096.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
8,300.0	0.00	0.00	8,196.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
8,400.0	0.00	0.00	8,296.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
8,500.0	0.00	0.00	8,396.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
8,600.0	0.00	0.00	8,496.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
8,700.0	0.00	0.00	8,596.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
8,800.0	0.00	0.00	8,696.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
8,900.0	0.00	0.00	8,796.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,000.0	0.00	0.00	8,896.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,100.0	0.00	0.00	8,996.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,200.0	0.00	0.00	9,096.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,300.0	0.00	0.00	9,196.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,400.0	0.00	0.00	9,296.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,500.0	0.00	0.00	9,396.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,600.0	0.00	0.00	9,496.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,700.0	0.00	0.00	9,596.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,800.0	0.00	0.00	9,696.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,900.0	0.00	0.00	9,796.0	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,942.5	0.00	0.00	9,838.5	-1,081.0	-276.0	-1,056.3	0.00	0.00	0.00
9,950.0	0.90	358.85	9,846.0	-1,080.9	-276.0	-1,056.3	12.00	12.00	0.00
9,975.0	3.90	358.85	9,871.0	-1,079.9	-276.0	-1,055.2	12.00	12.00	0.00
10,000.0	6.90	358.85	9,895.9	-1,077.5	-276.1	-1,052.9	12.00	12.00	0.00
10,025.0	9.90	358.85	9,920.6	-1,073.9	-276.1	-1,049.2	12.00	12.00	0.00



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #306H
Company:	Midland	TVD Reference:	kb = 26' @ 3506.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3506.0usft
Site:	Dragon 36 State	North Reference:	Grid
Well:	#306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)	
10,050.0	12.90	358.85	9,945.1	-1,068.9	-276.2	-1,044.3	12.00	12.00	0.00	
10,075.0	15.90	358.85	9,969.3	-1,062.7	-276.4	-1,038.1	12.00	12.00	0.00	
10,100.0	18.90	358.85	9,993.2	-1,055.3	-276.5	-1,030.6	12.00	12.00	0.00	
10,125.0	21.91	358.85	10,016.6	-1,046.5	-276.7	-1,021.9	12.00	12.00	0.00	
10,150.0	24.91	358.85	10,039.5	-1,036.6	-276.9	-1,012.0	12.00	12.00	0.00	
10,163.0	26.46	358.85	10,051.2	-1,031.0	-277.0	-1,006.4	12.00	12.00	0.00	
10,175.0	27.91	358.90	10,061.9	-1,025.5	-277.1	-1,000.9	12.00	12.00	0.37	
10,200.0	30.91	358.98	10,083.7	-1,013.2	-277.3	-988.7	12.00	12.00	0.32	
10,225.0	33.91	359.05	10,104.8	-999.8	-277.6	-975.3	12.00	12.00	0.27	
10,250.0	36.91	359.10	10,125.2	-985.4	-277.8	-960.8	12.00	12.00	0.23	
10,275.0	39.91	359.15	10,144.8	-969.8	-278.0	-945.3	12.00	12.00	0.20	
10,300.0	42.91	359.20	10,163.5	-953.3	-278.3	-928.8	12.00	12.00	0.18	
10,325.0	45.91	359.24	10,181.4	-935.8	-278.5	-911.4	12.00	12.00	0.16	
10,350.0	48.91	359.27	10,198.3	-917.4	-278.8	-893.0	12.00	12.00	0.14	
10,375.0	51.91	359.30	10,214.2	-898.1	-279.0	-873.8	12.00	12.00	0.13	
10,400.0	54.91	359.33	10,229.1	-878.1	-279.2	-853.8	12.00	12.00	0.12	
10,425.0	57.91	359.36	10,242.9	-857.3	-279.5	-833.0	12.00	12.00	0.11	
10,450.0	60.91	359.39	10,255.7	-835.7	-279.7	-811.5	12.00	12.00	0.10	
10,475.0	63.91	359.41	10,267.2	-813.6	-279.9	-789.4	12.00	12.00	0.10	
10,500.0	66.91	359.43	10,277.6	-790.9	-280.2	-766.7	12.00	12.00	0.09	
10,525.0	69.90	359.46	10,286.8	-767.6	-280.4	-743.5	12.00	12.00	0.09	
10,550.0	72.90	359.48	10,294.8	-743.9	-280.6	-719.9	12.00	12.00	0.09	
10,575.0	75.90	359.50	10,301.5	-719.9	-280.8	-695.9	12.00	12.00	0.08	
10,600.0	78.90	359.52	10,307.0	-695.5	-281.0	-671.6	12.00	12.00	0.08	
10,625.0	81.90	359.54	10,311.2	-670.8	-281.2	-647.0	12.00	12.00	0.08	
10,650.0	84.90	359.56	10,314.0	-646.0	-281.4	-622.2	12.00	12.00	0.08	
10,675.0	87.90	359.58	10,315.6	-621.0	-281.6	-597.3	12.00	12.00	0.08	
10,692.5	90.00	359.59	10,315.9	-603.6	-281.7	-579.9	12.00	12.00	0.08	
10,700.0	90.00	359.59	10,315.9	-596.0	-281.8	-572.4	0.00	0.00	0.00	
10,800.0	90.00	359.59	10,315.9	-496.0	-282.5	-472.6	0.00	0.00	0.00	
10,900.0	90.00	359.59	10,315.9	-396.0	-283.2	-372.9	0.00	0.00	0.00	
11,000.0	90.00	359.59	10,315.9	-296.0	-283.9	-273.1	0.00	0.00	0.00	
11,100.0	90.00	359.59	10,315.9	-196.0	-284.7	-173.4	0.00	0.00	0.00	
11,200.0	90.00	359.59	10,315.9	-96.0	-285.4	-73.6	0.00	0.00	0.00	
11,300.0	90.00	359.59	10,315.9	3.9	-286.1	26.1	0.00	0.00	0.00	
11,400.0	90.00	359.59	10,315.9	103.9	-286.8	125.9	0.00	0.00	0.00	
11,500.0	90.00	359.59	10,315.9	203.9	-287.5	225.6	0.00	0.00	0.00	
11,600.0	90.00	359.59	10,315.9	303.9	-288.2	325.4	0.00	0.00	0.00	
11,700.0	90.00	359.59	10,315.9	403.9	-289.0	425.1	0.00	0.00	0.00	
11,800.0	90.00	359.59	10,315.9	503.9	-289.7	524.9	0.00	0.00	0.00	
11,900.0	90.00	359.59	10,315.9	603.9	-290.4	624.6	0.00	0.00	0.00	
12,000.0	90.00	359.59	10,315.9	703.9	-291.1	724.4	0.00	0.00	0.00	
12,100.0	90.00	359.59	10,315.9	803.9	-291.8	824.1	0.00	0.00	0.00	
12,200.0	90.00	359.59	10,315.9	903.9	-292.5	923.9	0.00	0.00	0.00	
12,300.0	90.00	359.59	10,315.9	1,003.9	-293.2	1,023.7	0.00	0.00	0.00	
12,400.0	90.00	359.59	10,315.9	1,103.9	-294.0	1,123.4	0.00	0.00	0.00	
12,500.0	90.00	359.59	10,315.9	1,203.9	-294.7	1,223.2	0.00	0.00	0.00	
12,600.0	90.00	359.59	10,316.0	1,303.9	-295.4	1,322.9	0.00	0.00	0.00	
12,700.0	90.00	359.59	10,316.0	1,403.9	-296.1	1,422.7	0.00	0.00	0.00	
12,800.0	90.00	359.59	10,316.0	1,503.9	-296.8	1,522.4	0.00	0.00	0.00	
12,900.0	90.00	359.59	10,316.0	1,603.9	-297.5	1,622.2	0.00	0.00	0.00	
13,000.0	90.00	359.59	10,316.0	1,703.9	-298.2	1,721.9	0.00	0.00	0.00	
13,100.0	90.00	359.59	10,316.0	1,803.9	-299.0	1,821.7	0.00	0.00	0.00	
13,200.0	90.00	359.59	10,316.0	1,903.9	-299.7	1,921.4	0.00	0.00	0.00	

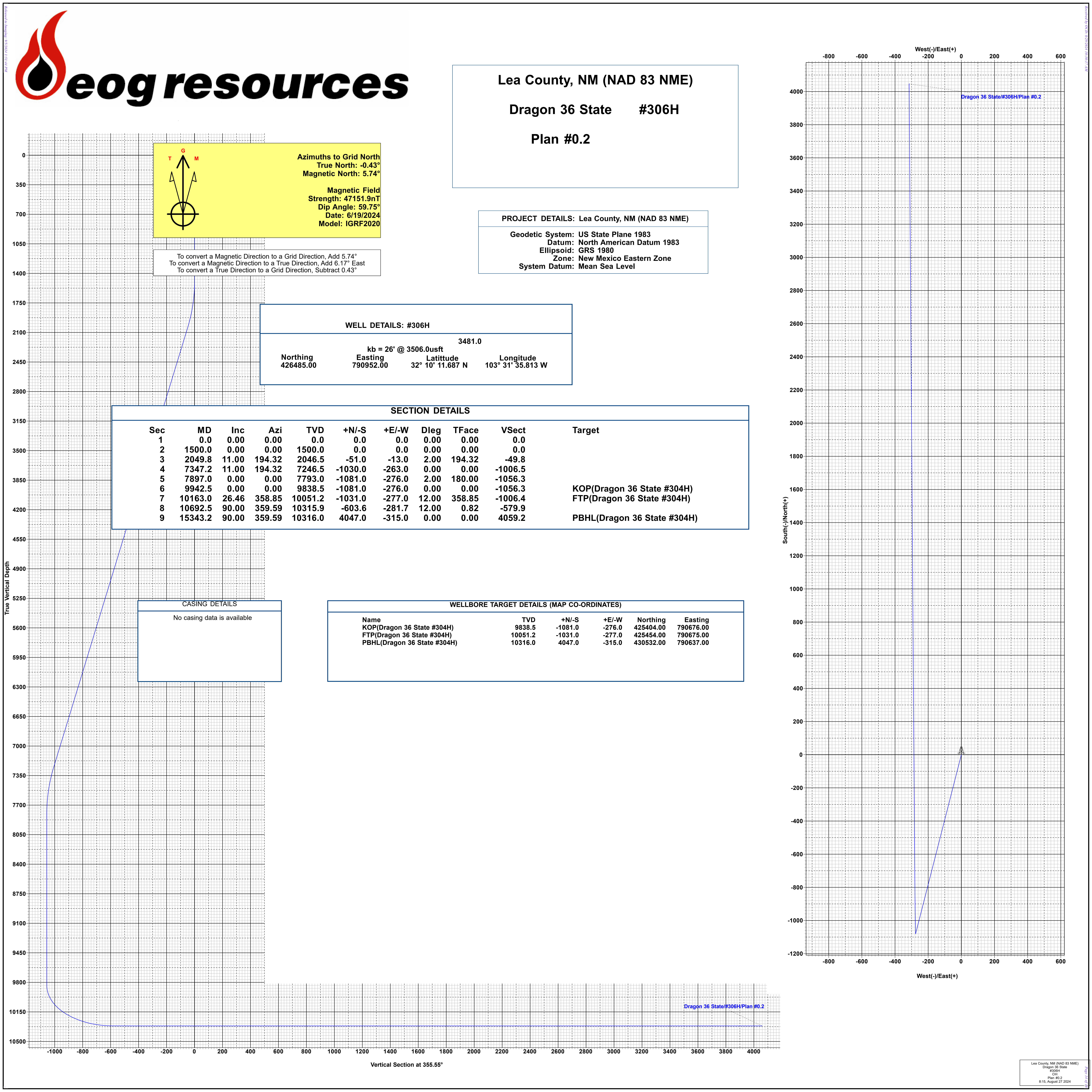


Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #306H
Company:	Midland	TVD Reference:	kb = 26' @ 3506.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3506.0usft
Site:	Dragon 36 State	North Reference:	Grid
Well:	#306H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.2		

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)	
13,300.0	90.00	359.59	10,316.0	2,003.9	-300.4	2,021.2	0.00	0.00	0.00	
13,400.0	90.00	359.59	10,316.0	2,103.9	-301.1	2,120.9	0.00	0.00	0.00	
13,500.0	90.00	359.59	10,316.0	2,203.9	-301.8	2,220.7	0.00	0.00	0.00	
13,600.0	90.00	359.59	10,316.0	2,303.9	-302.5	2,320.4	0.00	0.00	0.00	
13,700.0	90.00	359.59	10,316.0	2,403.9	-303.3	2,420.2	0.00	0.00	0.00	
13,800.0	90.00	359.59	10,316.0	2,503.9	-304.0	2,519.9	0.00	0.00	0.00	
13,900.0	90.00	359.59	10,316.0	2,603.9	-304.7	2,619.7	0.00	0.00	0.00	
14,000.0	90.00	359.59	10,316.0	2,703.9	-305.4	2,719.4	0.00	0.00	0.00	
14,100.0	90.00	359.59	10,316.0	2,803.9	-306.1	2,819.2	0.00	0.00	0.00	
14,200.0	90.00	359.59	10,316.0	2,903.9	-306.8	2,918.9	0.00	0.00	0.00	
14,300.0	90.00	359.59	10,316.0	3,003.9	-307.5	3,018.7	0.00	0.00	0.00	
14,400.0	90.00	359.59	10,316.0	3,103.9	-308.3	3,118.4	0.00	0.00	0.00	
14,500.0	90.00	359.59	10,316.0	3,203.9	-309.0	3,218.2	0.00	0.00	0.00	
14,600.0	90.00	359.59	10,316.0	3,303.9	-309.7	3,317.9	0.00	0.00	0.00	
14,700.0	90.00	359.59	10,316.0	3,403.9	-310.4	3,417.7	0.00	0.00	0.00	
14,800.0	90.00	359.59	10,316.0	3,503.9	-311.1	3,517.4	0.00	0.00	0.00	
14,900.0	90.00	359.59	10,316.0	3,603.9	-311.8	3,617.2	0.00	0.00	0.00	
15,000.0	90.00	359.59	10,316.0	3,703.9	-312.5	3,716.9	0.00	0.00	0.00	
15,100.0	90.00	359.59	10,316.0	3,803.9	-313.3	3,816.7	0.00	0.00	0.00	
15,200.0	90.00	359.59	10,316.0	3,903.8	-314.0	3,916.4	0.00	0.00	0.00	
15,300.0	90.00	359.59	10,316.0	4,003.8	-314.7	4,016.2	0.00	0.00	0.00	
15,343.2	90.00	359.59	10,316.0	4,047.0	-315.0	4,059.2	0.00	0.00	0.00	

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	
- hit/miss target									
- Shape								Longitude	
KOP(Dragon 36 State #1 - plan hits target center - Point	0.00	0.00	9,838.5	-1,081.0	-276.0	425,404.00	790,676.00	32° 10' 1.011 N 103° 31' 39.118 W	
FTP(Dragon 36 State #3 - plan hits target center - Point	0.00	0.00	10,051.2	-1,031.0	-277.0	425,454.00	790,675.00	32° 10' 1.506 N 103° 31' 39.125 W	
PBHL(Dragon 36 State # - plan hits target center - Point	0.00	0.00	10,316.0	4,047.0	-315.0	430,532.00	790,637.00	32° 10' 51.756 N 103° 31' 39.125 W	



Dragon 36 State #306H

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

WELL DETAILS: #306H

3481.0

SECTION DETAILS

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Dragon 36 State/#306H/Plan #0.2

Vertical Section at 355.55°

Lea County, NM (NAD 83 NME)
Dragon 36 State
#306H
OH
Plan #0.2
8:15, August 27 2024



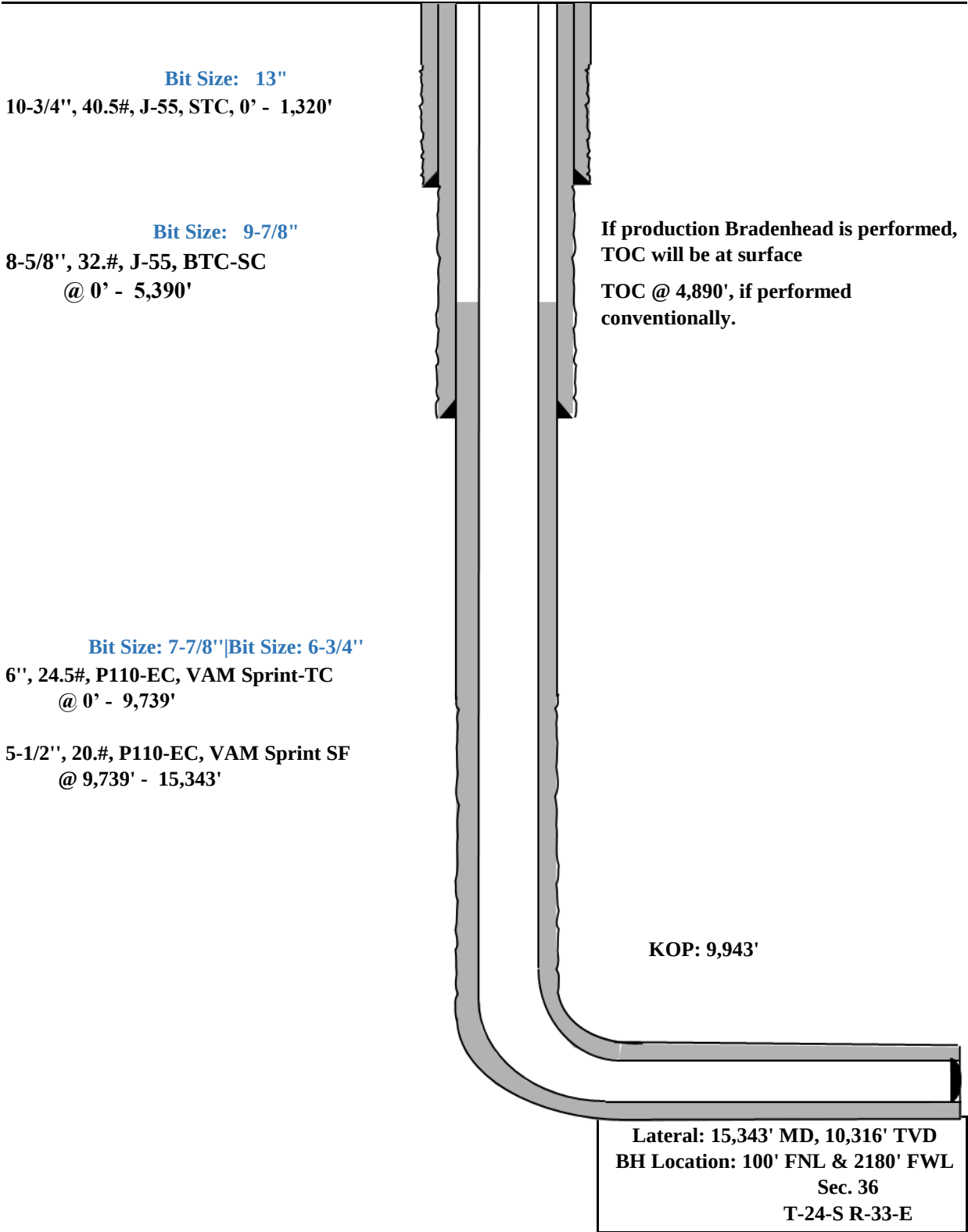
Dragon 36 State 306H

1130' FSL
2464' FWL
Section 36
T-24-S, R-33-E

Revised Wellbore

API: 30-025-53214

KB: 3506'
GL: 3481'





Dragon 36 State 306H

Permit Information:

Well Name: Dragon 36 State 306H

Location: SHL: 1130' FSL & 2464' FWL, Section 36, T-24-S, R-33-E, LEA Co., N.M.

BHL: 100' FNL & 2180' FWL, Section 36, T-24-S, R-33-E, LEA Co., N.M.

Casing Program:

Hole Size	Interval MD From (ft) To (ft)		Interval TVD From (ft) To (ft)		Csg OD	Weight	Grade	Conn
13"	0	1,313	0	1,320	10-3/4"	40.5#	J-55	STC
9-7/8"	0	5,390	0	5,281	8-5/8"	32#	J-55	BTC-SC
7-7/8"	0	9,843	0	9,739	6"	24.5#	P110-EC	VAM Sprint-TC
6-3/4"	9,843	15,343	9,739	10,316	5-1/2"	20#	P110-EC	VAM Sprint SF

**For highlighted rows above, variance is requested to run entire string of either or casing string above due to availability.

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,313'	290	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	100	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,390'	440	12.7	1.11	Tail: Class C + 10% NaCl + 6% Bentonite Gel + 3% MagOx (TOC @ Surface)
	300	14.8	1.5	Lead: Class C + 3% CaCl2 + 3% Microbond (TOC @ 4,225')
15,343'	700	10.5	3.21	Lead: Class C + 3% CaCl2 + 3% Microbond (TOC @ 4,890')
	650	13.2	1.52	Tail: Class H + 5% NEX-020 + 0.2% NAC-102 + 0.15% NAS-725 + 0.5% NFL-549 + 0.2% NFP-703 + 1% NBE-737 + 0.3% NRT-241

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,320'	Fresh - Gel	8.6-8.8	28-34	N/c
1,320' – 5,280'	Brine	9.0-10.5	28-34	N/c
5,280' – 15,343' Lateral	Oil Base	8.8-9.5	58-68	N/c - 6



Dragon 36 State 306H

TUBING REQUIREMENTS

EOG respectfully requests an exception to the following NMOCD rule:

- 19.15.16.10 Casing AND TUBING REQUIREMENTS:
J (3): “The operator shall set tubing as near the bottom as practical and tubing perforations shall not be more than 250 feet above top of pay zone.”

With horizontal flowing and gas lifted wells an end of tubing depth placed at or slightly above KOP is a conservative way to ensure the tubing stays clean from debris, plugging, and allows for fewer well interventions post offset completion. The deeper the tubulars are run into the curve, the higher the probability is that the tubing will become stuck in sand and or well debris as the well produces over time. An additional consideration for EOT placement during artificial lift installations is avoiding the high dog leg severity and inclinations found in the curve section of the wellbore to help improve

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 379160

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 379160
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	ALL PREVIOUS COA's APPLY	9/5/2024