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 Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-53215

5. Indicate Type of Lease STATE [x] FEE [ ]

6. State Oil & Gas Lease No. 39643

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.)

7. Lease Name or Unit Agreement Name: DRAGON 36 STATE

1. Type of Well: Oil Well [X] Gas Well [ ] Other

8. Well Number 601H

2. Name of Operator: EOG RESOURCES, INC.

9. OGRID Number 7377

3. Address of Operator: P.O. Box 2267, Midland, Texas 79702

10. Pool name or Wildcat: 51020 - RED HILLS;LOWER BONE SPRING SHALE

4. Well Location
Unit Letter N : 1185 feet from the SOUTH line and 2439 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:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[X]	COMMENCE DRILLING OPNS.	[ ]	P AND A	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPL	[ ]	CASING/CEMENT JOB	[ ]		
DOWNHOLE COMMINGLE	[ ]						
CLOSED-LOOP SYSTEM	[ ]						
OTHER:	[ ]			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:

Update casing and cement program to current design.

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 10/16/2024

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):

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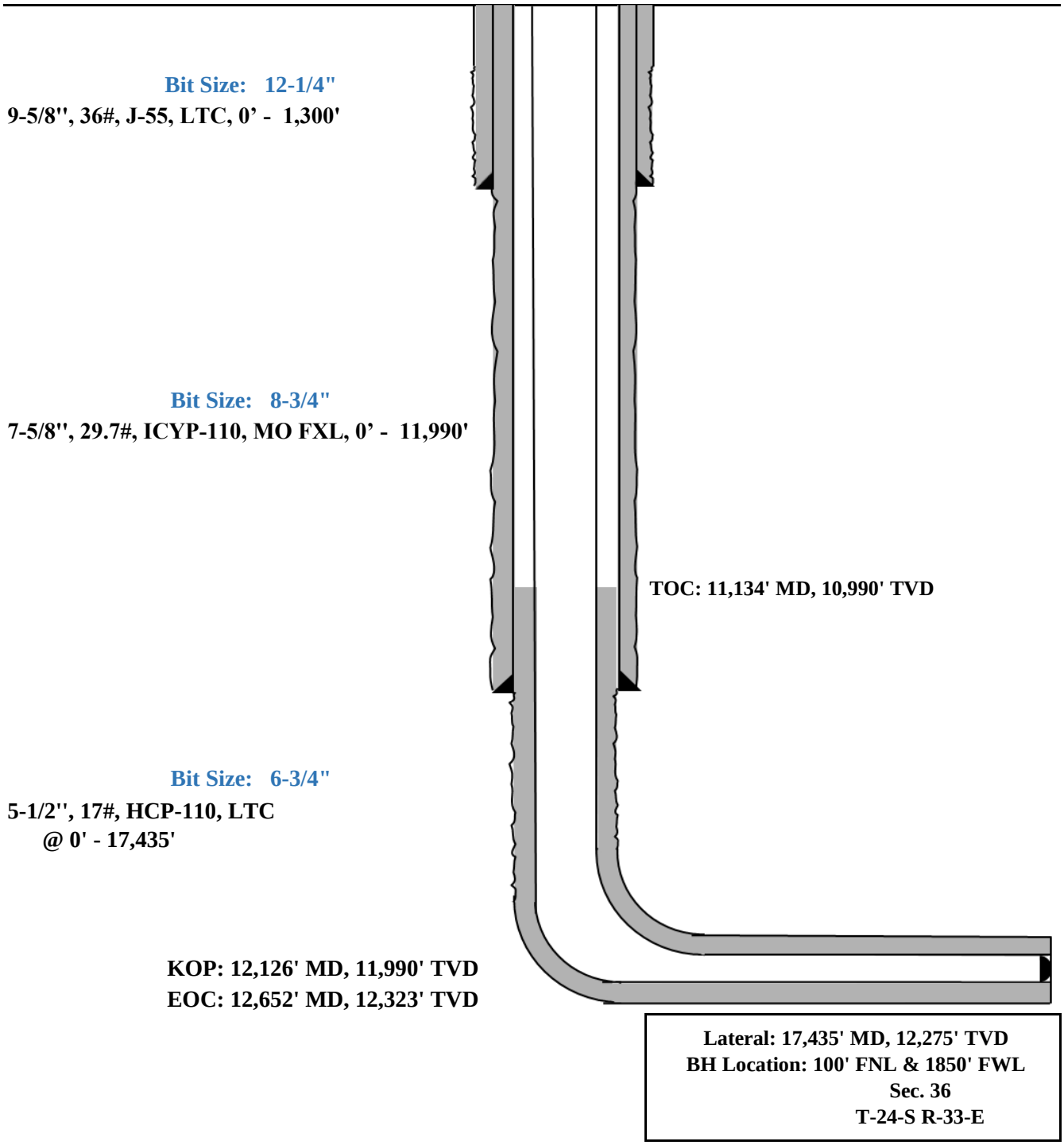
Dragon 36 State #601H
LEA County, New Mexico

1185' FSL
2439' FWL
Section 36
T-24-S, R-33-E

Proposed Wellbore
Design A

API: 30-025-53215

KB: 3506'
GL: 3481'



eog resources

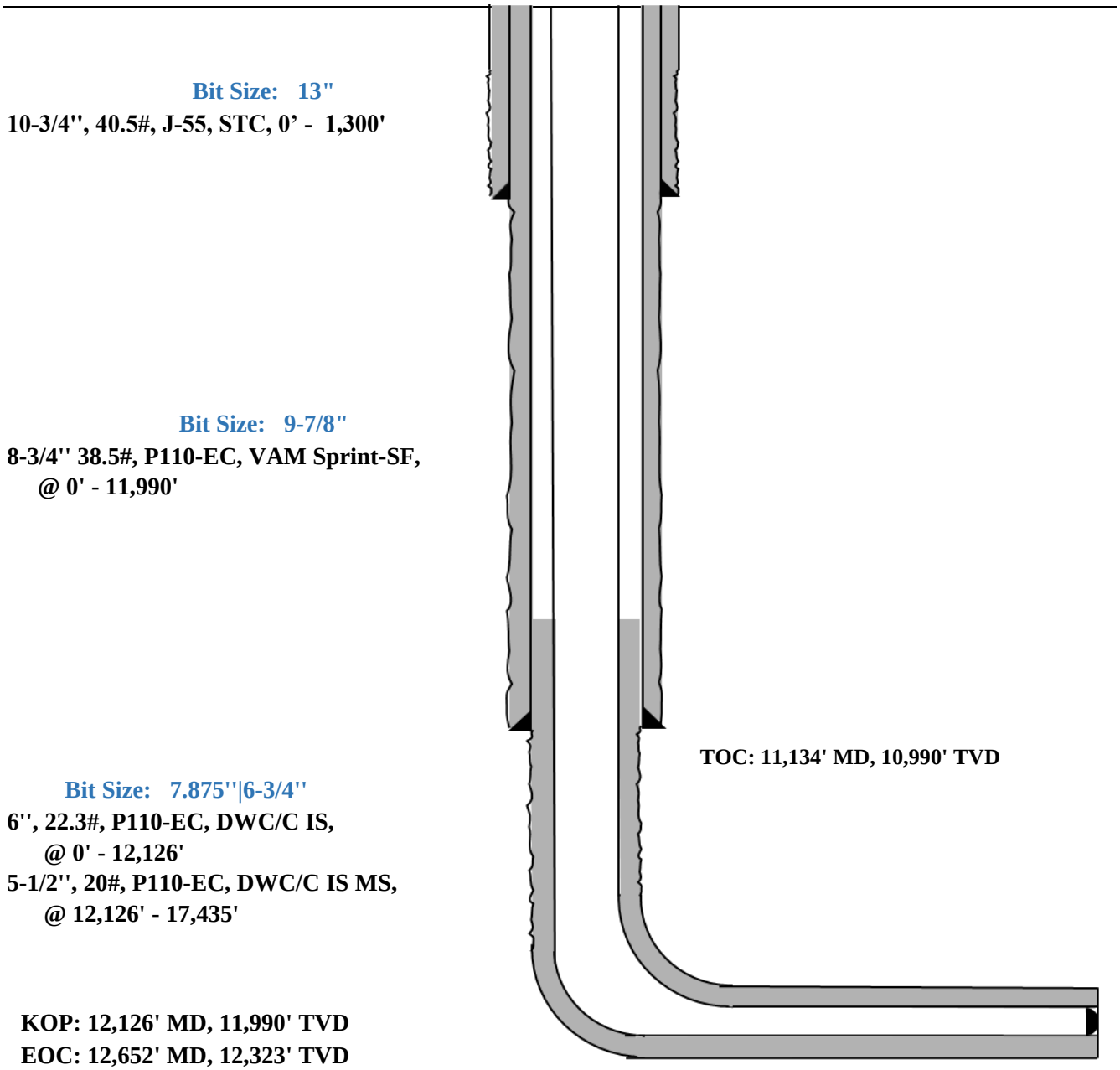
Dragon 36 State #601H
LEA County, New Mexico

1185' FSL
2439' FWL
Section 36
T-24-S, R-33-E

Proposed Wellbore
Design B

API: 30-025-53215

KB: 3506'
GL: 3481'



Bit Size: 13"
10-3/4'', 40.5#, J-55, STC, 0' - 1,300'

Bit Size: 9-7/8"
8-3/4'' 38.5#, P110-EC, VAM Sprint-SF, @ 0' - 11,990'

TOC: 11,134' MD, 10,990' TVD

Bit Size: 7.875''|6-3/4''
6'', 22.3#, P110-EC, DWC/C IS, @ 0' - 12,126'
5-1/2'', 20#, P110-EC, DWC/C IS MS, @ 12,126' - 17,435'

KOP: 12,126' MD, 11,990' TVD
EOC: 12,652' MD, 12,323' TVD

Lateral: 17,435' MD, 12,275' TVD
BH Location: 100' FNL & 1850' FWL
Sec. 36
T-24-S R-33-E

eog resources

Dragon 36 State #601H

Permit Information:

Well Name: Dragon 36 State #601H

Location:

SHL: 1185' FSL & 2439' FWL, Section 36, T-24-S, R-33-E, LEA Co., N.M.

BHL: 100' FNL & 1850' FWL, Section 36, T-24-S, R-33-E, LEA Co., N.M.

Design A

Casing Program:

Hole Size	Interval MD From (ft)	To (ft)	Interval TVD From (ft)	To (ft)	Csg OD	Weight	Grade	Conn
12-1/4"	0	1,300	0	1,300	9-5/8"	36#	J-55	LTC
8-3/4"	0	12,134	0	11,990	7-5/8"	29.7#	ICYP-110	MO FXL
6-3/4"	0	17,435	0	12,275	5-1/2"	17#	HCP-110	LTC

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,300'	350	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	80	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
11,990'	500	14.2	1.11	1st Stage (Tail): Class C + 5% Salt (TOC @ 7,772')
	1330	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
17,435'	540	13.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,490')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,300'	Fresh - Gel	8.6-8.8	28-34	N/c
1,300' – 11,990'	Brine	10.0-10.2	28-34	N/c
11,990' – 12,126'	Oil Base	8.7-9.4	58-68	N/c - 6
12,126' – 17,435' Lateral	Oil Base	10.0-14.0	58-68	4 - 6

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Dragon 36 State #601H

Design B

CASING PROGRAM

Hole Size	Interval MD From (ft)	Interval MD To (ft)	Interval TVD From (ft)	Interval TVD To (ft)	Csg OD	Weight	Grade	Conn
13"	0	1,300	0	1,300	10-3/4"	40.5#	J-55	STC
9-7/8"	0	12,134	0	11,990	8-3/4"	38.5#	P110-EC	VAM Sprint-SF
7-7/8"	0	12,126	0	11,990	6"	22.3#	P110-EC	DWC/C IS
6.75"	12,126	17,435	11,990	12,275	5-1/2"	20#	P110-EC	DWC/C IS MS

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

Cementing Program:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,300'	3620	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl2 + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	70	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
12,130'	580	14.2	1.11	1st Stage (Tail): Class C + 5% Salt (TOC @ 7,772')
	1790	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
17,435'	880	13.2	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,630')

As a contingency, EOG requests to pump a two stage cement job on the intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (7,972') and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of 1,330 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (1.5 yld, 14.8 ppg) will be executed.

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,300'	Fresh - Gel	8.6-8.8	28-34	N/c
1,300' – 5,177'	Brine	10.0-10.2	28-34	N/c
5,177' – 11,990'	Oil Base	8.7-9.4	58-68	N/c - 6
11,990' – 17,435' Lateral	Oil Base	10.0-14.0	58-68	4 - 6

eog resources

Dragon 36 State 601H

TUBING REQUIREMENTS

EOG respectively requests an exception to the following NMOCD rule:

- 19.15.16.10 Casing AND TUBING RQUIREMENTS:
  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 reliability and performance. Dog leg severity and inclinations tend not to hamper gas lifted or flowing wells, but they do effect other forms of artificial lift like rod pump or ESP (electric submersible pump). Keeping the EOT above KOP is an industry best practice for those respective forms of artificial lift.

EOG requests a variance to set the intermediate casing shoe in the Bone Spring formation or the Wolfcamp formation, depending on depletion in the area and well conditions. EOG will monitor the well and ensure the well is static before casing operations begin.

eog resources

Dragon 36 State #601H

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.

Dragon 36 State #601H

- 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.

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Dragon 36 State #601H

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
NMOCD Inspection Group - South		(575) 626-0830
U.S. Dept. of Labor		(575) 887-1174
EOG Resources, Inc.		
EOG / Midland	Office	(432) 686-3600
Company Drilling Consultants:		
David Dominque	Cell	(985) 518-5839
Mike Vann	Cell	(817) 980-5507
Drilling Engineer		
Esteban Del Valle	Cell	(432) 269-7063
Daniel Moose	Cell	(432) 312-2803
Drilling Manager		
Aj Dach	Office	(432) 686-3751
	Cell	(817) 480-1167
Drilling Superintendent		
Jason Townsend	Office	(432) 848-9209
	Cell	(210) 776-5131
H&P Drilling		
H&P Drilling	Office	(432) 563-5757
H&P 651 Drilling Rig	Rig	(903) 509-7131
Tool Pusher:		
Johnathan Craig	Cell	(817) 760-6374
Brad Garrett		
Safety:		
Brian Chandler (HSE Manager)	Office	(432) 686-3695
	Cell	(817) 239-0251

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EOG Batch Casing

Pad Name: Dragon 36 State

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

Well Name	API #	Surface		Intermediate		Production	
		MD	TVD	MD	TVD	MD	TVD
Dragon 36 State #601H (222H)	30-025-53215	1,300	1,300	11,598	11,454	17,435	12,275

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 2b - Wolfcamp Intermediate Casing Setpoint
- EOG BLM Variance 3a_b - BOP Break-test and Offline Intermediate Cement

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EOG Batch Casing

GEOLOGIC NAME OF SURFACE FORMATION:

Permian

ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1,191'
Tamarisk Anhydrite	1,275'
Top of Salt	1,680'
Base of Salt	5,077'
Lamar	5,211'
Bell Canyon	5,231'
Cherry Canyon	6,229'
Brushy Canyon	7,972'
Bone Spring Lime	9,275'
Leonard (Avalon) Shale	9,321'
1st Bone Spring Sand	10,263'
2nd Bone Spring Shale	10,528'
2nd Bone Spring Sand	10,852'
3rd Bone Spring Carb	11,354'
3rd Bone Spring Sand	11,922'
Wolfcamp	12,345'

ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400’	Fresh Water
Bell Canyon	5,231'	Oil
Cherry Canyon	6,229'	Oil
Brushy Canyon	7,972'	Oil
Leonard (Avalon) Shale	9,321'	Oil
1st Bone Spring Sand	10,263'	Oil
2nd Bone Spring Shale	10,528'	Oil
2nd Bone Spring Sand	10,852'	Oil

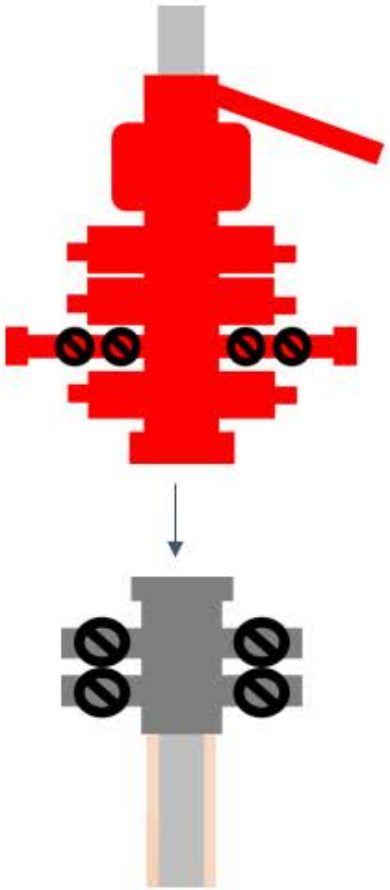
No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting surface casing at 1,300' and circulating cement back to surface.

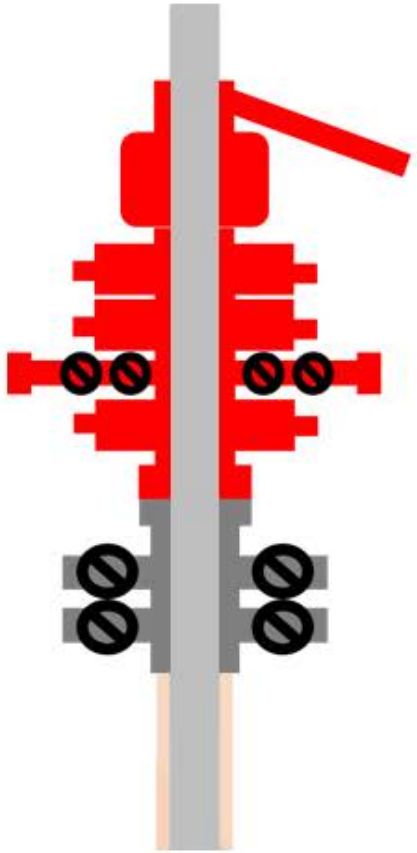
Break-test BOP & Offline Cementing:

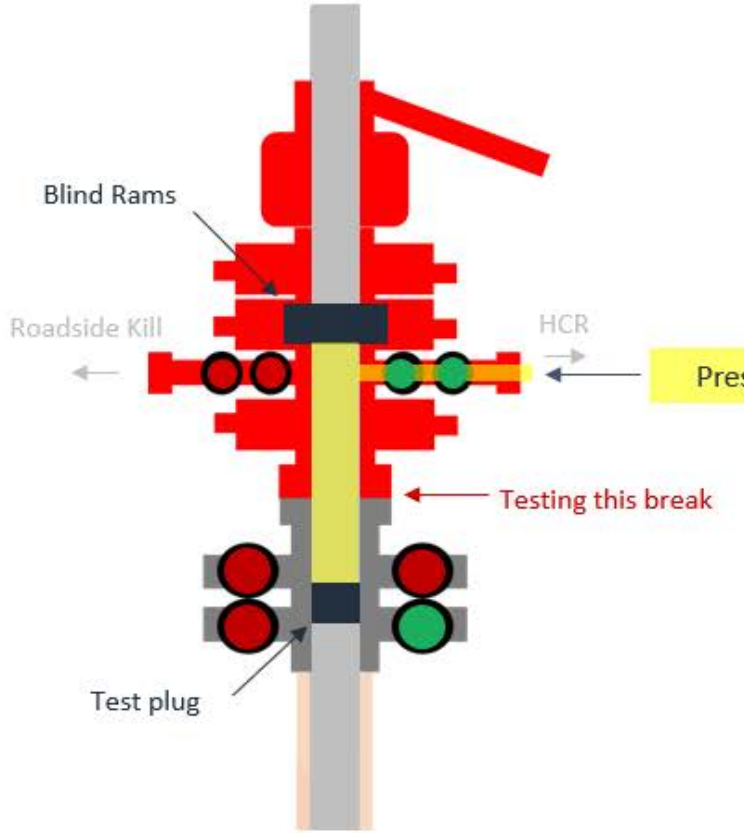
EOG Resources Inc. (EOG) respectfully requests a variance from the minimum standards for well control equipment testing of ECFR Title 43 Part 3172.6(b)(9)(iv) to allow a testing schedule of the blow out preventer (BOP) and blow out prevention equipment (BOPE) along with Batch Drilling & Offline cement operations to include the following:

- Full BOPE test at first installation on the pad.
- Full BOPE test every 30 days.
- This test will be conducted for 5M rated hole intervals only.
- Each rig requesting the break-test variance is capable of picking up the BOP without damaging components using winches, following API Standard 53, Well Control Equipment Systems for Drilling Wells (Fifth edition, December 2018, Annex C. Table C.4) which recognizes break testing as an acceptable practice.
- Function tests will be performed on the following BOP elements:
    - Annular à during each full BOPE test
    - Upper Pipe Rams à On trip ins where FIT required
    - Blind Rams à Every trip
    - Lower Pipe Rams à during each full BOPE test
- Break testing BOP and BOPE coupled with batch drilling operations and option to offline cement and/or remediate (if needed) any surface or intermediate sections, according to attached offline cementing support documentation.
- After the well section is secured, the BOP will be disconnected from the wellhead and walked with the rig to another well on the pad.
- TA cap will also be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.

Break Test Diagram (HCR valve)



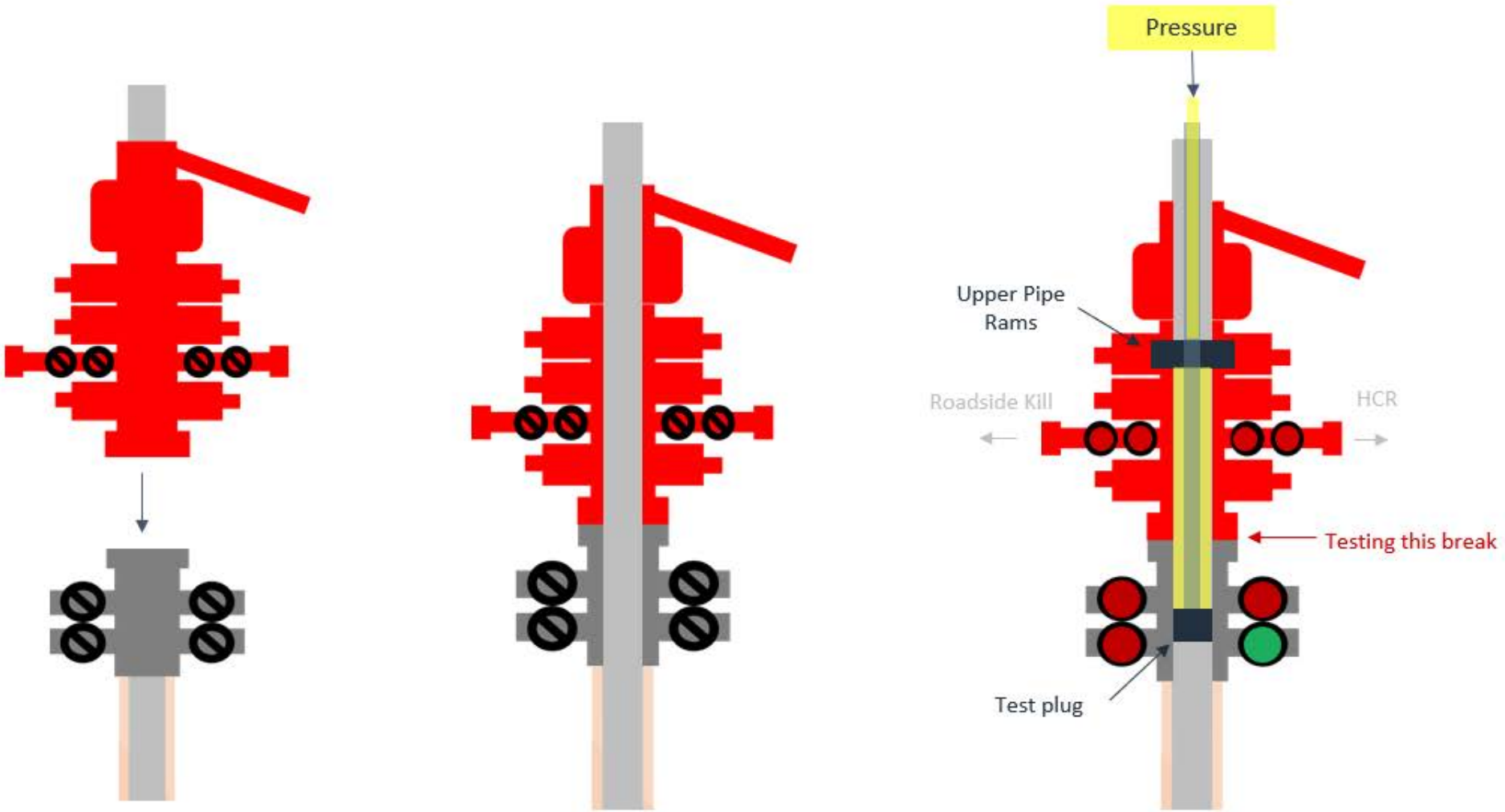




Steps

1. Set plug in wellhead (lower barrier)
2. Close Blind Rams (upper barrier)
3. Close roadside kill
4. Open HCR (pressure application)
5. Open wellhead valves below test plug to ensure if leak past test plug, pressure won't be applied to wellbore
6. Tie BOP testers high pressure line to main choke manifold crown valve
7. Pressure up to test break
8. Bleed test pressure from BOP testing unit

Break Test Diagram (Test Joint)



Steps

1. Set plug in with test joint wellhead (lower barrier)
2. Close Upper Pipe Rams (upper barrier)
3. Close roadside kill
4. Close HCR
5. Open wellhead valves below test plug to ensure if leak past test plug, pressure won't be applied to wellbore
6. Tie BOP testers high pressure line to top of test joint
7. Pressure up to test break
8. Bleed test pressure from BOP testing unit

Dragon 36 State 601H API #: 30-025-53215 Variances

EOG respectfully requests the below variances to be applied to the above well:

- Variance is requested to waive the centralizer requirements for the intermediate casing in the intermediate hole. An expansion additive will be utilized, in the cement slurry, for the entire length of the intermediate interval to maximize cement bond and zonal isolation.
- Variance is also requested to waive the centralizer requirements for the production casing in the production hole. An expansion additive will be utilized, in the cement slurry, for the entire length of the production interval to maximize cement bond and zonal isolation.
- EOG requests a variance to set the intermediate casing shoe in the Bone Spring formation or the Wolfcamp formation, depending on depletion in the area and well conditions. EOG will monitor the well and ensure the well is static before casing operations begin.

- Variance is requested to use a co-flex line between the BOP and choke manifold (instead of using a 4" OD steel line).
- Variance is requested to use a 5,000 psi annular BOP with the 10,000 psi BOP stack.
- EOG Resources requests the option to contract a Surface Rig to drill, set surface casing, and Cement on the subject well. After WOC 8 hours or 500 psi compressive strength (whichever is greater), the Surface Rig will move off so the wellhead can be installed. A welder will cut the casing to the proper height and weld on the wellhead (both "A" and "B" sections). The weld will be tested to 1,500 psi. All valves will be closed and a wellhead cap will be installed (diagram attached). If the timing between rigs is such that EOG Resources would not be able to preset the surface, the Primary Rig will MIRU and drill the well in its entirety per the APD.

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

- EOG BLM Variance 2a - Inermediate Bradenhead Cement
- EOG BLM Variance 3a_b - BOP Break-test and Offline Intermediate Cement

Midland

Lea County, NM (NAD 83 NME)
Dragon 36 State
#601H
145083
OH

Plan: Plan #2

Standard Planning Report

16 October, 2024

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #601H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3507.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3507.0usft
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#601H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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 #601H

Well Position	**+N/-S**	0.0 usft	**Northing:**	426,540.00 usft	**Latitude:**	32° 10' 12.233 N
	+E/-W	0.0 usft	**Easting:**	790,927.00 usft	**Longitude:**	103° 31' 36.099 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	47,151.94995746

Design Plan #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	359.57

Plan Survey Tool Program **Date** 10/16/2024

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	17,435.3	Plan #2 (OH)	EOG MWD+IFR1	
				MWD + IFR1	

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	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,029.1	12.58	207.05	2,024.1	-61.3	-31.3	2.00	2.00	0.00	207.05	
7,262.6	12.58	207.05	7,131.9	-1,076.7	-549.7	0.00	0.00	0.00	0.00	
7,891.8	0.00	0.00	7,756.0	-1,138.0	-581.0	2.00	-2.00	0.00	180.00	
12,125.8	0.00	0.00	11,990.0	-1,138.0	-581.0	0.00	0.00	0.00	0.00	KOP(Dragon 36 State
12,652.4	90.58	359.56	12,323.1	-801.5	-583.6	17.20	17.20	-0.08	359.56	
17,435.3	90.58	359.56	12,275.0	3,981.0	-620.0	0.00	0.00	0.00	0.00	PBHL(Dragon 36 Stat

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #601H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3507.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3507.0usft
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#601H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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
1,198.0	0.00	0.00	1,198.0	0.0	0.0	0.0	0.00	0.00	0.00
RUSTLER									
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,286.0	0.00	0.00	1,286.0	0.0	0.0	0.0	0.00	0.00	0.00
TAMARISK ANHYDRITE									
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	2.00	207.05	1,500.0	-1.6	-0.8	-1.5	2.00	2.00	0.00
1,600.0	4.00	207.05	1,599.8	-6.2	-3.2	-6.2	2.00	2.00	0.00
1,693.5	5.87	207.05	1,693.0	-13.4	-6.8	-13.3	2.00	2.00	0.00
SALT TOP									
1,700.0	6.00	207.05	1,699.5	-14.0	-7.1	-13.9	2.00	2.00	0.00
1,800.0	8.00	207.05	1,798.7	-24.8	-12.7	-24.7	2.00	2.00	0.00
1,900.0	10.00	207.05	1,897.5	-38.8	-19.8	-38.6	2.00	2.00	0.00
2,000.0	12.00	207.05	1,995.6	-55.8	-28.5	-55.5	2.00	2.00	0.00
2,029.1	12.58	207.05	2,024.1	-61.3	-31.3	-61.0	2.00	2.00	0.00
2,100.0	12.58	207.05	2,093.3	-75.0	-38.3	-74.7	0.00	0.00	0.00
2,200.0	12.58	207.05	2,190.9	-94.4	-48.2	-94.1	0.00	0.00	0.00
2,300.0	12.58	207.05	2,288.4	-113.8	-58.1	-113.4	0.00	0.00	0.00
2,400.0	12.58	207.05	2,386.0	-133.2	-68.0	-132.7	0.00	0.00	0.00
2,500.0	12.58	207.05	2,483.6	-152.6	-77.9	-152.1	0.00	0.00	0.00
2,600.0	12.58	207.05	2,581.2	-172.0	-87.8	-171.4	0.00	0.00	0.00
2,700.0	12.58	207.05	2,678.8	-191.4	-97.7	-190.7	0.00	0.00	0.00
2,800.0	12.58	207.05	2,776.4	-210.8	-107.6	-210.0	0.00	0.00	0.00
2,900.0	12.58	207.05	2,874.0	-230.3	-117.6	-229.4	0.00	0.00	0.00
3,000.0	12.58	207.05	2,971.6	-249.7	-127.5	-248.7	0.00	0.00	0.00
3,100.0	12.58	207.05	3,069.2	-269.1	-137.4	-268.0	0.00	0.00	0.00
3,200.0	12.58	207.05	3,166.8	-288.5	-147.3	-287.3	0.00	0.00	0.00
3,300.0	12.58	207.05	3,264.4	-307.9	-157.2	-306.7	0.00	0.00	0.00
3,400.0	12.58	207.05	3,362.0	-327.3	-167.1	-326.0	0.00	0.00	0.00
3,500.0	12.58	207.05	3,459.6	-346.7	-177.0	-345.3	0.00	0.00	0.00
3,600.0	12.58	207.05	3,557.2	-366.1	-186.9	-364.7	0.00	0.00	0.00
3,700.0	12.58	207.05	3,654.8	-385.5	-196.8	-384.0	0.00	0.00	0.00
3,800.0	12.58	207.05	3,752.4	-404.9	-206.7	-403.3	0.00	0.00	0.00
3,900.0	12.58	207.05	3,850.0	-424.3	-216.6	-422.6	0.00	0.00	0.00
4,000.0	12.58	207.05	3,947.6	-443.7	-226.5	-442.0	0.00	0.00	0.00
4,100.0	12.58	207.05	4,045.2	-463.1	-236.4	-461.3	0.00	0.00	0.00
4,200.0	12.58	207.05	4,142.8	-482.5	-246.3	-480.6	0.00	0.00	0.00
4,300.0	12.58	207.05	4,240.4	-501.9	-256.2	-500.0	0.00	0.00	0.00
4,400.0	12.58	207.05	4,338.0	-521.3	-266.1	-519.3	0.00	0.00	0.00
4,500.0	12.58	207.05	4,435.6	-540.7	-276.0	-538.6	0.00	0.00	0.00

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #601H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3507.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3507.0usft
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#601H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
4,600.0	12.58	207.05	4,533.2	-560.1	-286.0	-557.9	0.00	0.00	0.00
4,700.0	12.58	207.05	4,630.8	-579.5	-295.9	-577.3	0.00	0.00	0.00
4,800.0	12.58	207.05	4,728.4	-598.9	-305.8	-596.6	0.00	0.00	0.00
4,900.0	12.58	207.05	4,826.0	-618.3	-315.7	-615.9	0.00	0.00	0.00
5,000.0	12.58	207.05	4,923.6	-637.7	-325.6	-635.2	0.00	0.00	0.00
5,019.4	12.58	207.05	4,942.5	-641.5	-327.5	-639.0	0.00	0.00	0.00
BASE OF SALT									
5,100.0	12.58	207.05	5,021.2	-657.1	-335.5	-654.6	0.00	0.00	0.00
5,200.0	12.58	207.05	5,118.8	-676.5	-345.4	-673.9	0.00	0.00	0.00
5,294.5	12.58	207.05	5,211.0	-694.8	-354.7	-692.2	0.00	0.00	0.00
LAMAR LIMESTONE									
5,300.0	12.58	207.05	5,216.4	-695.9	-355.3	-693.2	0.00	0.00	0.00
5,310.4	12.58	207.05	5,226.5	-697.9	-356.3	-695.2	0.00	0.00	0.00
BELL CANYON									
5,400.0	12.58	207.05	5,314.0	-715.3	-365.2	-712.6	0.00	0.00	0.00
5,500.0	12.58	207.05	5,411.6	-734.7	-375.1	-731.9	0.00	0.00	0.00
5,600.0	12.58	207.05	5,509.2	-754.1	-385.0	-751.2	0.00	0.00	0.00
5,700.0	12.58	207.05	5,606.8	-773.5	-394.9	-770.5	0.00	0.00	0.00
5,800.0	12.58	207.05	5,704.4	-792.9	-404.8	-789.9	0.00	0.00	0.00
5,900.0	12.58	207.05	5,802.0	-812.3	-414.7	-809.2	0.00	0.00	0.00
6,000.0	12.58	207.05	5,899.6	-831.7	-424.6	-828.5	0.00	0.00	0.00
6,100.0	12.58	207.05	5,997.2	-851.1	-434.5	-847.8	0.00	0.00	0.00
6,200.0	12.58	207.05	6,094.8	-870.5	-444.4	-867.2	0.00	0.00	0.00
6,300.0	12.58	207.05	6,192.4	-889.9	-454.4	-886.5	0.00	0.00	0.00
6,389.8	12.58	207.05	6,280.0	-907.4	-463.2	-903.9	0.00	0.00	0.00
CHERRY CANYON									
6,400.0	12.58	207.05	6,290.0	-909.3	-464.3	-905.8	0.00	0.00	0.00
6,500.0	12.58	207.05	6,387.6	-928.7	-474.2	-925.2	0.00	0.00	0.00
6,600.0	12.58	207.05	6,485.2	-948.1	-484.1	-944.5	0.00	0.00	0.00
6,700.0	12.58	207.05	6,582.8	-967.6	-494.0	-963.8	0.00	0.00	0.00
6,800.0	12.58	207.05	6,680.4	-987.0	-503.9	-983.1	0.00	0.00	0.00
6,900.0	12.58	207.05	6,778.0	-1,006.4	-513.8	-1,002.5	0.00	0.00	0.00
7,000.0	12.58	207.05	6,875.6	-1,025.8	-523.7	-1,021.8	0.00	0.00	0.00
7,100.0	12.58	207.05	6,973.2	-1,045.2	-533.6	-1,041.1	0.00	0.00	0.00
7,200.0	12.58	207.05	7,070.8	-1,064.6	-543.5	-1,060.5	0.00	0.00	0.00
7,262.6	12.58	207.05	7,131.9	-1,076.7	-549.7	-1,072.6	0.00	0.00	0.00
7,300.0	11.84	207.05	7,168.4	-1,083.8	-553.3	-1,079.6	2.00	-2.00	0.00
7,400.0	9.84	207.05	7,266.6	-1,100.5	-561.9	-1,096.2	2.00	-2.00	0.00
7,500.0	7.84	207.05	7,365.4	-1,114.2	-568.8	-1,109.9	2.00	-2.00	0.00
7,600.0	5.84	207.05	7,464.7	-1,124.8	-574.2	-1,120.4	2.00	-2.00	0.00
7,700.0	3.84	207.05	7,564.4	-1,132.3	-578.1	-1,127.9	2.00	-2.00	0.00
7,800.0	1.84	207.05	7,664.2	-1,136.7	-580.3	-1,132.3	2.00	-2.00	0.00
7,891.8	0.00	0.00	7,756.0	-1,138.0	-581.0	-1,133.6	2.00	-2.00	0.00
BRUSHYPOROSITY									
7,900.0	0.00	0.00	7,764.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
8,000.0	0.00	0.00	7,864.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
8,100.0	0.00	0.00	7,964.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
8,200.0	0.00	0.00	8,064.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
8,300.0	0.00	0.00	8,164.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
8,400.0	0.00	0.00	8,264.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,364.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,464.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,564.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,664.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #601H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3507.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3507.0usft
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#601H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
8,900.0	0.00	0.00	8,764.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,864.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
9,100.0	0.00	0.00	8,964.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,064.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
9,300.0	0.00	0.00	9,164.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
9,400.0	0.00	0.00	9,264.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
9,420.8	0.00	0.00	9,285.0	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
BONE SPRING LIME									
9,467.8	0.00	0.00	9,332.0	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
LEONARD A SHALE									
9,500.0	0.00	0.00	9,364.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
9,600.0	0.00	0.00	9,464.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,564.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
9,800.0	0.00	0.00	9,664.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
9,802.3	0.00	0.00	9,666.5	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
LEONARD B SHALE									
9,900.0	0.00	0.00	9,764.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,000.0	0.00	0.00	9,864.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,100.0	0.00	0.00	9,964.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,200.0	0.00	0.00	10,064.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,300.0	0.00	0.00	10,164.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,340.3	0.00	0.00	10,204.5	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
1ST BONE SPRING SAND									
10,400.0	0.00	0.00	10,264.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,500.0	0.00	0.00	10,364.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,600.0	0.00	0.00	10,464.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,672.3	0.00	0.00	10,536.5	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
2ND BONE SPRING SHALE									
10,700.0	0.00	0.00	10,564.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,800.0	0.00	0.00	10,664.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,900.0	0.00	0.00	10,764.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
10,992.8	0.00	0.00	10,857.0	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
2ND BONE SPRING SAND									
11,000.0	0.00	0.00	10,864.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
11,100.0	0.00	0.00	10,964.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
11,200.0	0.00	0.00	11,064.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
11,300.0	0.00	0.00	11,164.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
11,400.0	0.00	0.00	11,264.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
11,492.1	0.00	0.00	11,356.3	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
3RD BONE SPRING CARBONATE									
11,500.0	0.00	0.00	11,364.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
11,600.0	0.00	0.00	11,464.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
11,700.0	0.00	0.00	11,564.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
11,800.0	0.00	0.00	11,664.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
11,900.0	0.00	0.00	11,764.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
12,000.0	0.00	0.00	11,864.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
12,052.3	0.00	0.00	11,916.5	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
3RD BONE SPRING SAND									
12,100.0	0.00	0.00	11,964.2	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
12,125.8	0.00	0.00	11,990.0	-1,138.0	-581.0	-1,133.6	0.00	0.00	0.00
12,150.0	4.16	359.56	12,014.2	-1,137.1	-581.0	-1,132.7	17.20	17.20	0.00
12,175.0	8.46	359.56	12,039.0	-1,134.4	-581.0	-1,130.0	17.20	17.20	0.00
12,200.0	12.76	359.56	12,063.6	-1,129.8	-581.1	-1,125.4	17.20	17.20	0.00

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #601H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3507.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3507.0usft
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#601H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
12,225.0	17.06	359.56	12,087.8	-1,123.3	-581.1	-1,118.9	17.20	17.20	0.00
12,250.0	21.36	359.56	12,111.4	-1,115.1	-581.2	-1,110.7	17.20	17.20	0.00
12,275.0	25.66	359.56	12,134.3	-1,105.1	-581.3	-1,100.7	17.20	17.20	0.00
12,300.0	29.96	359.56	12,156.4	-1,093.5	-581.3	-1,089.1	17.20	17.20	0.00
12,325.0	34.26	359.56	12,177.5	-1,080.2	-581.4	-1,075.8	17.20	17.20	0.00
12,350.0	38.56	359.56	12,197.7	-1,065.4	-581.6	-1,061.0	17.20	17.20	0.00
12,375.0	42.86	359.56	12,216.6	-1,049.0	-581.7	-1,044.7	17.20	17.20	0.00
12,400.0	47.16	359.56	12,234.3	-1,031.4	-581.8	-1,027.0	17.20	17.20	0.00
12,425.0	51.46	359.56	12,250.6	-1,012.4	-582.0	-1,008.0	17.20	17.20	0.00
12,450.0	55.76	359.56	12,265.4	-992.3	-582.1	-987.9	17.20	17.20	0.00
12,475.0	60.06	359.56	12,278.7	-971.1	-582.3	-966.7	17.20	17.20	0.00
12,500.0	64.36	359.56	12,290.3	-949.0	-582.4	-944.6	17.20	17.20	0.00
12,525.0	68.66	359.56	12,300.3	-926.1	-582.6	-921.7	17.20	17.20	0.00
12,535.6	70.50	359.56	12,304.0	-916.1	-582.7	-911.7	17.20	17.20	0.00
3RD BONE SPRING SAND TOW									
12,550.0	72.96	359.56	12,308.5	-902.5	-582.8	-898.1	17.20	17.20	0.00
12,575.0	77.26	359.56	12,314.9	-878.3	-583.0	-873.9	17.20	17.20	0.00
12,600.0	81.56	359.56	12,319.5	-853.8	-583.2	-849.4	17.20	17.20	0.00
12,625.0	85.86	359.56	12,322.2	-828.9	-583.4	-824.5	17.20	17.20	0.00
12,652.4	90.58	359.56	12,323.1	-801.5	-583.6	-797.1	17.20	17.20	0.00
12,700.0	90.58	359.56	12,322.6	-753.9	-583.9	-749.5	0.00	0.00	0.00
12,800.0	90.58	359.56	12,321.6	-654.0	-584.7	-649.5	0.00	0.00	0.00
12,900.0	90.58	359.56	12,320.6	-554.0	-585.4	-549.5	0.00	0.00	0.00
13,000.0	90.58	359.56	12,319.6	-454.0	-586.2	-449.6	0.00	0.00	0.00
13,100.0	90.58	359.56	12,318.6	-354.0	-587.0	-349.6	0.00	0.00	0.00
13,200.0	90.58	359.56	12,317.6	-254.0	-587.7	-249.6	0.00	0.00	0.00
13,300.0	90.58	359.56	12,316.6	-154.0	-588.5	-149.6	0.00	0.00	0.00
13,400.0	90.58	359.56	12,315.6	-54.0	-589.3	-49.6	0.00	0.00	0.00
13,500.0	90.58	359.56	12,314.6	46.0	-590.0	50.4	0.00	0.00	0.00
13,600.0	90.58	359.56	12,313.6	146.0	-590.8	150.4	0.00	0.00	0.00
13,700.0	90.58	359.56	12,312.6	246.0	-591.5	250.4	0.00	0.00	0.00
13,800.0	90.58	359.56	12,311.6	346.0	-592.3	350.4	0.00	0.00	0.00
13,900.0	90.58	359.56	12,310.6	446.0	-593.1	450.4	0.00	0.00	0.00
14,000.0	90.58	359.56	12,309.5	546.0	-593.8	550.4	0.00	0.00	0.00
14,100.0	90.58	359.56	12,308.5	645.9	-594.6	650.4	0.00	0.00	0.00
14,200.0	90.58	359.56	12,307.5	745.9	-595.4	750.4	0.00	0.00	0.00
14,300.0	90.58	359.56	12,306.5	845.9	-596.1	850.4	0.00	0.00	0.00
14,400.0	90.58	359.56	12,305.5	945.9	-596.9	950.4	0.00	0.00	0.00
14,500.0	90.58	359.56	12,304.5	1,045.9	-597.6	1,050.4	0.00	0.00	0.00
14,600.0	90.58	359.56	12,303.5	1,145.9	-598.4	1,150.4	0.00	0.00	0.00
14,700.0	90.58	359.56	12,302.5	1,245.9	-599.2	1,250.4	0.00	0.00	0.00
14,800.0	90.58	359.56	12,301.5	1,345.9	-599.9	1,350.4	0.00	0.00	0.00
14,900.0	90.58	359.56	12,300.5	1,445.9	-600.7	1,450.4	0.00	0.00	0.00
15,000.0	90.58	359.56	12,299.5	1,545.9	-601.4	1,550.3	0.00	0.00	0.00
15,100.0	90.58	359.56	12,298.5	1,645.9	-602.2	1,650.3	0.00	0.00	0.00
15,200.0	90.58	359.56	12,297.5	1,745.9	-603.0	1,750.3	0.00	0.00	0.00
15,300.0	90.58	359.56	12,296.5	1,845.9	-603.7	1,850.3	0.00	0.00	0.00
15,400.0	90.58	359.56	12,295.5	1,945.8	-604.5	1,950.3	0.00	0.00	0.00
15,500.0	90.58	359.56	12,294.5	2,045.8	-605.3	2,050.3	0.00	0.00	0.00
15,600.0	90.58	359.56	12,293.5	2,145.8	-606.0	2,150.3	0.00	0.00	0.00
15,700.0	90.58	359.56	12,292.5	2,245.8	-606.8	2,250.3	0.00	0.00	0.00
15,800.0	90.58	359.56	12,291.4	2,345.8	-607.5	2,350.3	0.00	0.00	0.00
15,900.0	90.58	359.56	12,290.4	2,445.8	-608.3	2,450.3	0.00	0.00	0.00

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #601H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3507.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3507.0usft
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#601H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
16,000.0	90.58	359.56	12,289.4	2,545.8	-609.1	2,550.3	0.00	0.00	0.00
16,100.0	90.58	359.56	12,288.4	2,645.8	-609.8	2,650.3	0.00	0.00	0.00
16,200.0	90.58	359.56	12,287.4	2,745.8	-610.6	2,750.3	0.00	0.00	0.00
16,300.0	90.58	359.56	12,286.4	2,845.8	-611.4	2,850.3	0.00	0.00	0.00
16,400.0	90.58	359.56	12,285.4	2,945.8	-612.1	2,950.3	0.00	0.00	0.00
16,500.0	90.58	359.56	12,284.4	3,045.8	-612.9	3,050.3	0.00	0.00	0.00
16,600.0	90.58	359.56	12,283.4	3,145.7	-613.6	3,150.3	0.00	0.00	0.00
16,700.0	90.58	359.56	12,282.4	3,245.7	-614.4	3,250.3	0.00	0.00	0.00
16,800.0	90.58	359.56	12,281.4	3,345.7	-615.2	3,350.3	0.00	0.00	0.00
16,900.0	90.58	359.56	12,280.4	3,445.7	-615.9	3,450.2	0.00	0.00	0.00
17,000.0	90.58	359.56	12,279.4	3,545.7	-616.7	3,550.2	0.00	0.00	0.00
17,100.0	90.58	359.56	12,278.4	3,645.7	-617.4	3,650.2	0.00	0.00	0.00
17,200.0	90.58	359.56	12,277.4	3,745.7	-618.2	3,750.2	0.00	0.00	0.00
17,300.0	90.58	359.56	12,276.4	3,845.7	-619.0	3,850.2	0.00	0.00	0.00
17,400.0	90.58	359.56	12,275.4	3,945.7	-619.7	3,950.2	0.00	0.00	0.00
17,435.3	90.58	359.56	12,275.0	3,981.0	-620.0	3,985.5	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Dragon 36 State #6	0.00	0.00	11,990.0	-1,138.0	-581.0	425,402.00	790,346.00	32° 10' 1.016 N	103° 31' 42.957 W
- plan hits target center									
- Polygon									
Point 1			11,990.0	50.0	-40.0	425,452.00	790,306.00		
Point 2			11,990.0	50.0	40.0	425,452.00	790,386.00		
Point 3			11,990.0	-30.0	40.0	425,372.00	790,386.00		
Point 4			11,990.0	-30.0	-40.0	425,372.00	790,306.00		
PBHL Drift(Dragon 36 St	0.00	0.00	12,263.0	3,981.0	-565.0	430,521.00	790,362.00	32° 10' 51.668 N	103° 31' 42.325 W
- plan misses target center by 56.3usft at 17435.0usft MD (12275.0 TVD, 3980.7 N, -620.0 E)									
- Point									
PBHL(Dragon 36 State #	90.00	359.57	12,275.0	3,981.0	-620.0	430,521.00	790,307.00	32° 10' 51.672 N	103° 31' 42.965 W
- plan hits target center									
- Rectangle (sides W60.0 H0.0 D5,069.1)									
TGT#2(Dragon 36 State	0.00	0.00	12,283.0	2,703.0	-610.3	429,243.00	790,316.73	32° 10' 39.025 N	103° 31' 42.963 W
- plan misses target center by 4.9usft at 16157.3usft MD (12287.9 TVD, 2703.0 N, -610.3 E)									
- Point									
TGT#1(Dragon 36 State	0.00	0.00	12,303.0	1,217.0	-598.9	427,757.00	790,328.06	32° 10' 24.320 N	103° 31' 42.961 W
- plan misses target center by 0.2usft at 14671.1usft MD (12302.8 TVD, 1217.0 N, -598.9 E)									
- Point									
FTP(Dragon 36 State #6	0.00	0.00	12,322.0	-1,088.0	-582.0	425,452.00	790,345.00	32° 10' 1.511 N	103° 31' 42.964 W
- plan misses target center by 103.2usft at 12414.3usft MD (12243.7 TVD, -1020.7 N, -581.9 E)									
- Point									

eog resources

Planning Report

Database:	PEDMB	**Local Co-ordinate Reference:**	Well #601H
Company:	Midland	**TVD Reference:**	kb = 26' @ 3507.0usft
Project:	Lea County, NM (NAD 83 NME)	**MD Reference:**	kb = 26' @ 3507.0usft
Site:	Dragon 36 State	**North Reference:**	Grid
Well:	#601H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	Plan #2		

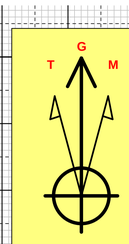
Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,198.0	1,198.0	RUSTLER			
1,286.0	1,286.0	TAMARISK ANHYDRITE			
1,693.5	1,693.0	SALT TOP			
5,019.4	4,942.5	BASE OF SALT			
5,294.5	5,211.0	LAMAR LIMESTONE			
5,310.4	5,226.5	BELL CANYON			
6,389.8	6,280.0	CHERRY CANYON			
7,891.8	7,756.0	BRUSHYPOROSITY			
9,420.8	9,285.0	BONE SPRING LIME			
9,467.8	9,332.0	LEONARD A SHALE			
9,802.3	9,666.5	LEONARD B SHALE			
10,340.3	10,204.5	1ST BONE SPRING SAND			
10,672.3	10,536.5	2ND BONE SPRING SHALE			
10,992.8	10,857.0	2ND BONE SPRING SAND			
11,492.1	11,356.3	3RD BONE SPRING CARBONATE			
12,052.3	11,916.5	3RD BONE SPRING SAND			
12,535.6	12,304.0	3RD BONE SPRING SAND TOW			

Lea County, NM (NAD 83 NME)

Dragon 36 State #601H

Plan #2



Azimuths to Grid North
True North: -0.43°
Magnetic North: 5.74°

Magnetic Field
Strength: 47151.9nT
Dip Angle: 59.75°
Date: 6/19/2024
Model: IGRF2020

To convert a Magnetic Direction to a Grid Direction, Add 5.74°
To convert a Magnetic Direction to a True Direction, Add 6.17° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

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

Geodetic System:	US State Plane 1983
Datum:	North American Datum 1983
Ellipsoid:	GRS 1980
Zone:	New Mexico Eastern Zone
System Datum:	Mean Sea Level

WELL DETAILS: #601H

3481.0
kb = 26' @ 3507.0usft

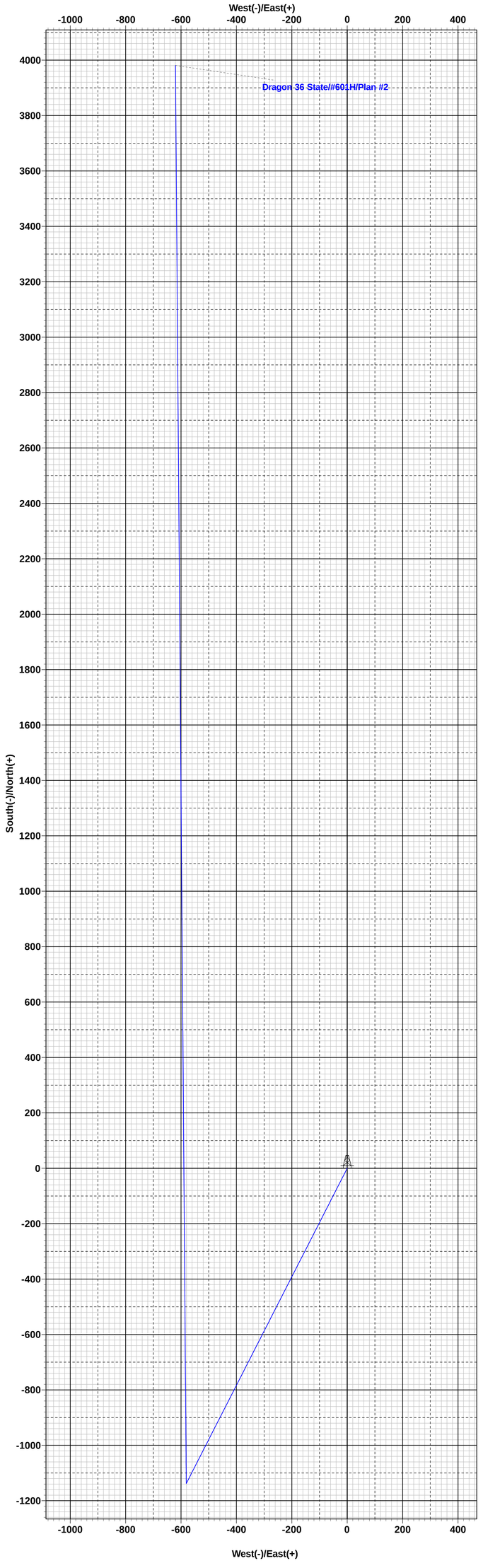
Northing	Easting	Latittude	Longitude
426540.00	790927.00	32° 10' 12.233 N	103° 31' 36.099 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1400.0	0.00	0.00	1400.0	0.0	0.0	0.00	0.00	0.0	
3	2029.1	12.58	207.05	2024.1	-61.3	-31.3	2.00	207.05	-61.0	
4	7262.6	12.58	207.05	7131.9	-1076.7	-549.7	0.00	0.00	-1072.6	
5	7891.8	0.00	0.00	7756.0	-1138.0	-581.0	2.00	180.00	-1133.6	
6	12125.8	0.00	0.00	11990.0	-1138.0	-581.0	0.00	0.00	-1133.6	KOP(Dragon 36 State #601H)
7	12652.4	90.58	359.56	12323.1	-801.5	-583.6	17.20	359.56	-797.1	
8	17435.3	90.58	359.56	12275.0	3981.0	-620.0	0.00	0.00	3985.5	PBHL(Dragon 36 State #601H)

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Dragon 36 State #601H)	11990.0	-1138.0	-581.0	425402.00	790346.00
PBHL(Dragon 36 State #601H)	12275.0	3981.0	-620.0	430521.00	790307.00
FTP(Dragon 36 State #601H)	12322.0	-1088.0	-582.0	425452.00	790345.00



Lea County, NM (NAD 83 NME)
Dragon 36 State
#601H
OH
Plan #2
8:25, October 16 2024

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 Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 393042

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 393042
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	ALL PREVIOUS COA's APPLY.	10/17/2024