

Santa Fe Main Office
Phone: (505) 476-3441
General Information
Phone: (505) 629-6116

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

Online Phone Directory Visit:
<https://www.emnrd.nm.gov/ocd/contact-us/>

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

WELL API NO. 30-025-54514
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name DATE 14 STATE COM
8. Well Number 504H
9. OGRID Number 7377
10. Pool name or Wildcat 5535 BERRY; BONE SPRING, NORTH

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	
2. Name of Operator EOG RESOURCES, INC	
3. Address of Operator P.O. BOX 2267, MIDLAND, TEXAS, 79702	
4. Well Location Unit Letter <u>O</u> : <u>399</u> feet from the <u>SOUTH</u> line and <u>2122</u> feet from the <u>EAST</u> line Section <u>14</u> Township <u>21S</u> Range <u>33E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3790' 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: ☐	
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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:

Date 14 State Com 504H API #: 30-025-54514

Change SHL from T-21-S, R-33-E, Sec 14, 399' FSL, 2089' FEL, LEA Co., NM, to T-21-S, R-33-E, Sec 14, 399' FSL, 2122' FEL, LEA Co., N.M.

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 11/26/25

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 30-025-54514	Pool Code 5535	Pool Name BERRY; BONE SPRING, NORTH
Property Code 319585	Property Name DATE 14 STATE COM	Well Number 504H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Ground Level Elevation 3790'
Surface Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal		Mineral Owner: ☒ State ☐ Fee ☐ Tribal ☐ Federal

Surface Location

UL or lot no. O	Section 14	Township 21-S	Range 33-E	Lot Idn -	Feet from the N/S 399' S	Feet from the E/W 2122' E	Latitude N 32.4726281	Longitude W 103.5415899	County LEA
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Bottom Hole Location

UL or lot no. B	Section 11	Township 21-S	Range 33-E	Lot Idn -	Feet from the N/S 100' N	Feet from the E/W 1420' E	Latitude N 32.5002829	Longitude W 103.5393101	County LEA
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Dedicated Acres 640.00	Infill or Defining Well INFILL	Defining Well API DATE 14 STATE COM 204H 30-025-54504	Overlapping Spacing Unit (Y/N) Y	Consolidated Code C
Order Numbers COMM AGREEMENT #205228			Well Setbacks are under Common Ownership: ☐ Yes ☐ No	

Kick Off Point (KOP)

UL or lot no. O	Section 14	Township 21-S	Range 33-E	Lot Idn -	Feet from the N/S 50' S	Feet from the E/W 1420' E	Latitude N 32.4716604	Longitude W 103.5393153	County LEA
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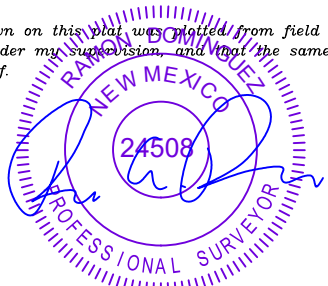
First Take Point (FTP)

UL or lot no. O	Section 14	Township 21-S	Range 33-E	Lot Idn -	Feet from the N/S 100' S	Feet from the E/W 1420' E	Latitude N 32.4717978	Longitude W 103.5393153	County LEA
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Last Take Point (LTP)

UL or lot no. B	Section 11	Township 21-S	Range 33-E	Lot Idn -	Feet from the N/S 100' N	Feet from the E/W 1420' E	Latitude N 32.5002829	Longitude W 103.5393101	County LEA
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Unitized Area or Area of Uniform Intrest COMM AGREEMENT	Spacing Unity Type ☒ Horizontal ☐ Vertical	Ground Floor Elevation 3815'
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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>  11/26/25		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>  11/25/2025 3:51:35 PM	
Signature KAYLA MCCONNELL		Signature and Seal of Professional Surveyor	
Print Name KAYLA_MCCONNELL@EOGRESOURCES.COM		Certificate Number	Date of Survey 10/12/2024
E-mail Address			

<u>C-102</u> 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
Property Name and Well Number		DATE 14 STATE COM 504H	

SURFACE LOCATION (SHL)

NEW MEXICO EAST
NAD 1983
X=785505 Y=536579
LAT.: N 32.4726281
LONG.: W 103.5415899
NAD 1927
X=744323 Y=536517
LAT.: N 32.4725047
LONG.: W 103.5411039
399' FSL 2122' FEL

KICK OFF POINT (KOP)

NEW MEXICO EAST
NAD 1983
X=786209 Y=536232
LAT.: N 32.4716604
LONG.: W 103.5393153
NAD 1927
X=745027 Y=536170
LAT.: N 32.4715369
LONG.: W 103.5388293
50' FSL 1420' FEL

UPPER MOST PERF. (UMP)

NEW MEXICO EAST
NAD 1983
X=786208 Y=536282
LAT.: N 32.4717978
LONG.: W 103.5393153
NAD 1927
X=745026 Y=536220
LAT.: N 32.4716743
LONG.: W 103.5388293
100' FSL 1420' FEL

PROPOSED PERF. POINT (PPP1)

NEW MEXICO EAST
NAD 1983
X=786190 Y=538824
LAT.: N 32.4787853
LONG.: W 103.5393140
NAD 1927
X=745008 Y=538763
LAT.: N 32.4786618
LONG.: W 103.5388278
2642' FSL 1422' FEL

PROPOSED PERF. POINT (PPP2)

NEW MEXICO EAST
NAD 1983
X=786170 Y=541469
LAT.: N 32.4860549
LONG.: W 103.5393127
NAD 1927
X=744989 Y=541407
LAT.: N 32.4859314
LONG.: W 103.5388263
0' FSL 1424' FEL

PROPOSED PERF. POINT (PPP3)

NEW MEXICO EAST
NAD 1983
X=786151 Y=544106
LAT.: N 32.4933048
LONG.: W 103.5393114
NAD 1927
X=744969 Y=544045
LAT.: N 32.4931813
LONG.: W 103.5388248
2638' FSL 1422' FEL

**LOWER MOST PERF. (LMP)
BOTTOM HOLE LOCATION (BHL)**

NEW MEXICO EAST
NAD 1983
X=786133 Y=546645
LAT.: N 32.5002829
LONG.: W 103.5393101
NAD 1927
X=744951 Y=546583
LAT.: N 32.5001594
LONG.: W 103.5388233
100' FNL 1420' FEL

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.

10/12/2024

Date of Survey
Signature and Seal of Professional Surveyor:

RAMON DOMINGUEZ
NEW MEXICO
24508
PROFESSIONAL SURVEYOR

Released to Imaging: 12/23/2025 11:09:58 AM

11/25/2025 3:51:36 PM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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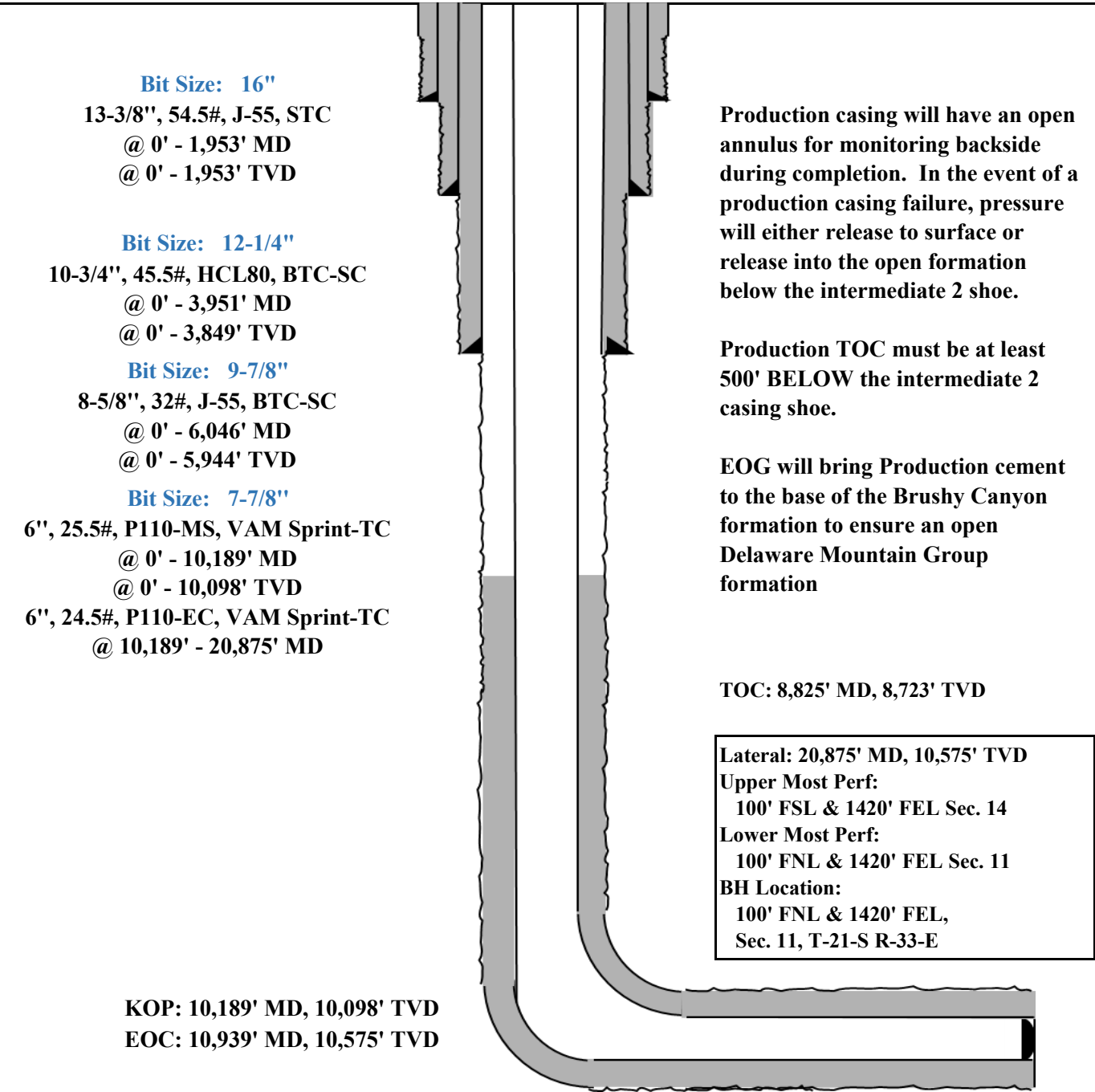
Date 14 State Com 504H

399' FSL
2122' FEL
Section 14
T-21-S, R-33-E

Proposed Wellbore

KB: 3815'
GL: 3790'

30-025-54514





Date 14 State Com 504H

4. CASING PROGRAM

Hole Size	Interval MD		Interval TVD		Csg OD	Weight	Grade	Conn
	From (ft)	To (ft)	From (ft)	To (ft)				
16"	0	1,953	0	1,953	13-3/8"	54.5#	J-55	STC
12-1/4"	0	3,951	0	3,849	10-3/4"	45.5#	HCL80	BTC-SC
9-7/8"	0	6,046	0	5,944	8-5/8"	32#	J-55	BTC-SC
7-7/8"	0	10,189	0	10,098	6"	25.5#	P110-MS	VAM Sprint-TC
7-7/8"	10,189	20,875	10,098	10,575	6"	24.5#	P110-EC	VAM Sprint-TC

**For highlighted rows above, variance is requested to run entire string of either 6" 25.5# or 6" 24.5# casing string above due to availability.

Well is in the KPLA. EOG is aware of the updates to the KPLA requirements resulting in Order R-111-Q, and plans to comply with Order R-111-Q. EOG will monitor and meet the anticollision requirements of R-111-Q. EOG will also monitor the production by 2nd intermediate annulus during frac operations as per design specifications in the Order.

5. CEMENTING PROGRAM:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,953' 13-3/8"	510	13.2	1.73	Lead: Class C/H + Additives (TOC @ Surface)
	132	14.8	1.34	Tail: Class C/H + Additives (TOC @ 1,562' TVD)
3,849' 10-3/4"	1994	12.7	1.11	Lead: Class C/H + Additives (High Surface Resistance slurry, min 10% BWOW Salt) + Expansive Additives (TOC @ Surface)
	350	14.8	1.50	Tail: Class C /H + Additives (High Surface Resistance slurry, min 10% BWOW Salt) + Expansive Additives (TOC @ 3,079' TVD)
5,944' 8-5/8"	800	14.2	1.11	1st Stage (Tail): Class C/H + Additives + Expansive Additives (TOC @ 4,755')
	167	14.8	1.50	2nd Stage: Class C/H + Additives + Expansion Additives (TOC @ surface)
20,875' 6"x6"	1339	13.2	1.52	Class C/H + Additives (TOC @ 8,723' - NO EXCESS)



Date 14 State Com 504H

6. MUD PROGRAM

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,953' Surface	Fresh - Gel	8.6-8.8	28-34	N/c
1,953' – 3,849' 1st Int.	Brine	9.4-10.8	28-34	N/c
3,849' - 5,944' 2nd Int.	Fresh - Gel	8.6-9.2	28-34	N/c - 6
5,944' TVD – 20,875' MD Lateral	Oil Base	8.8-9.5	58-68	N/c - 6

7. TUBING REQUIREMENTS

EOG respectively 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 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.

**Date 14 State Com 504H****Potash Area Requirements**

- (A) Since this well is in the Potash Area – R111-Q requires that a monitored open annulus shall incorporated during completion by leaving the annulus between the 2nd intermediate and production casing strings un-cemented and monitored.
- 1) The top of cement in the annulus between the 2nd intermediate and production casing strings shall stand uncemented at least 500 feet below the 2nd intermediate casing shoe. Zero percent excess shall be pumped on the production cementing slurry to ensure no tie-back into the intermediate casing shoe.
 - 2) Not less than two (2) weeks prior to commencing hydraulic fracturing operations on wells of this design, EOG will provide notice to operators of offset wells actively producing from the Delaware Mountain Group located within one (1) mile of subject well's surface hole location. During hydraulic fracturing operations, the pump pressure and annulus between the intermediate and production casing strings shall be continuously monitored for signs of production casing failure.
 - 3) After hydraulic fracturing operations have been concluded and no longer than 180 days after the well is brought online, EOG will bradenhead cement to ensure at least 500 ft tie-back has been established inside the 2nd intermediate string but not higher than USGS Marker Bed No. 126.
 - 4) The top of cement may be estimated through pumped displacement volumes or with the use of a fluid shot tool prior to filling backside with fluid.
- (B) **Drilling Fluid for 1st Intermediate Hole Section**
The fluid used while drilling the salt section shall consist of water, to which has been added sufficient salts of a character common to the zone penetrated to completely saturate the mixture or non-aqueous drill fluid. Other additives may be added to the fluid by the operator to address any specific well control problem. This requirement is specifically intended to prevent enlarged bore holes.
- (C) **Notificaiton Requirements to Potash Operator**
EOG shall notify both potash operators as soon as possibly if any of the following conditions are encountered during operations:
- 1) Indication of any well collision event
 - 2) Suspected well fluid flow (oil, gas, produced water) outside of casing
 - 3) Sustained annulus pressure between 1st intermediate and next innermost casing string in excess of 500 psi above the baseline pressure of the well, or above 1500 psi total
 - 4) Increasing pressure buildup rates (psi/day) across multiple successive bleed-off cycles on the annulus between the 1st intermediate and next innermost casing during well production
 - 5) Sustained losses in excess of 50% through the salt formation during drilling.
- (D) See attached 4-string Design.



Date 14 State Com #504H

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.



Date 14 State Com #504H

■ **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.

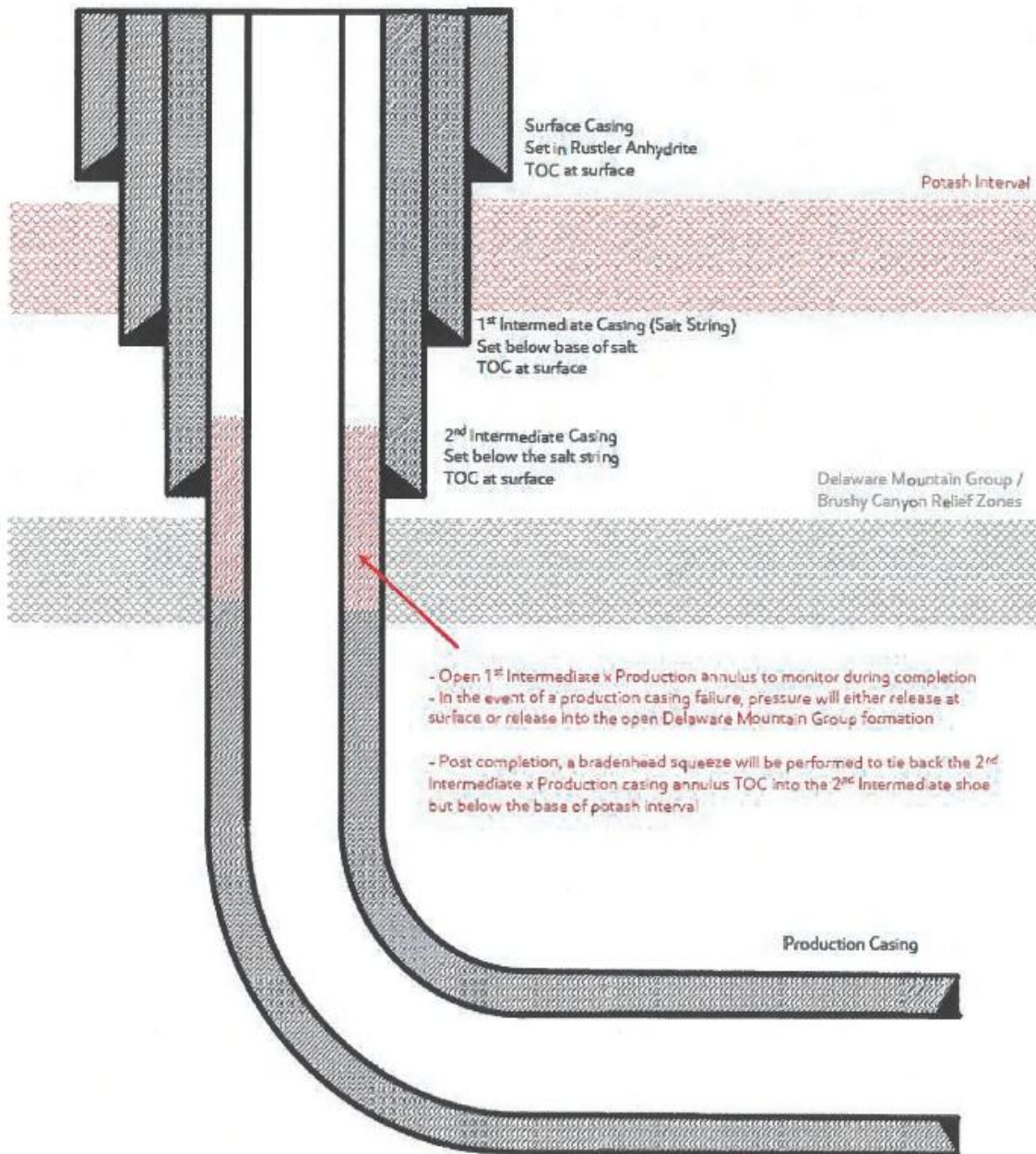
■ **Communication:**

Communication will be via cell phones and land lines where available.



Date 14 State Com #504H

4-String Design – Open 1st Int x Production Casing (ICP 2 above relief zone)



[Figure E] 4 String – Uncemented Annulus between 2nd Intermediate and Production Casing Strings



Date 14 State Com #504H
Emergency Assistance Telephone List

PUBLIC SAFETY: **911 or**

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

Fire Department:

Carlsbad	(575) 885-3125
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Artesia	(575) 746-5050
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Hospitals:

Carlsbad	(575) 887-4121
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Artesia	(575) 748-3333
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Hobbs	(575) 392-1979
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Dept. of Public Safety/Carlsbad	(575) 748-9718
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Highway Department	(575) 885-3281
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New Mexico Oil Conservation	(575) 476-3440
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NMOCD Inspection Group - South	(575) 626-0830
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U.S. Dept. of Labor	(575) 887-1174
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EOG Resources, Inc.

EOG / Midland	Office	(432) 686-3600
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Safety:

Brian Chandler (HSE Manager)	Office	(432) 686-3695
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	Cell	(817) 239-0251
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Date 14 State Com 504H

1. GEOLOGIC NAME OF SURFACE FORMATION:

Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1,883'
Tamarisk Anhydrite	1,990'
Top of Salt	2,320'
Marker Bed 126	3,123'
Capitan	3,949'
Base of Capitan	5,609'
Bell Canyon	5,750'
Cherry Canyon	5,894'
Brushy Canyon	6,912'
Bone Spring Lime	8,823'
Leonard (Avalon) Shale	9,049'
1st Bone Spring Sand	9,993'
2nd Bone Spring Shale	10,219'
2nd Bone Spring Sand	10,562'
3rd Bone Spring Carb	11,076'
3rd Bone Spring Sand	11,633'
Wolfcamp	11,869'
TD	10,575'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400' Fresh Water
Base of Capitan	5,609' Oil
Cherry Canyon	5,894' Oil
Brushy Canyon	6,912' Oil
Bone Spring Lime	8,823' Oil
Leonard (Avalon) Shale	9,049' Oil
1st Bone Spring Sand	9,993' Oil
2nd Bone Spring Shale	10,219' Oil
2nd Bone Spring Sand	10,562' Oil



EOG Batch Casing

Pad Name: Date 14 State SUNDRY

SHL: Section 14, Township 21-S, Range 33-E, LEA County, NM

Well Name	API #	Surface		Intermediate 1		Intermediate 2		Intermediate 3		Production	
		MD	TVD	MD	TVD	MD	TVD	MD	TVD	MD	TVD
Date 14 State Com #204H	30-025-54504	1,953	1,953	3,849	3,849	6,062	5,944	N/A	N/A	20,049	9,735
Date 14 State Com #205H	30-025-54507	1,953	1,953	4,205	3,849	6,300	5,944	N/A	N/A	20,259	9,735
Date 14 State Com #504H	30-025-54514	1,953	1,953	3,951	3,849	6,046	5,944	N/A	N/A	20,875	10,575
Date 14 State Com #603H	30-025-54503	1,953	1,953	4,007	3,849	6,102	5,944	N/A	N/A	22,958	11,869
Date 14 State Com #801H	30-025-54552	1,953	1,953	3,962	3,849	6,057	5,944	11,749	11,649	22,430	12,126
Date 14 State Com #901H	30-025-54553	1,953	1,953	3,914	3,849	6,009	5,944	12,208	12,148	22,894	12,625

**Date 14 State Com 504H**

EOG is aware of the updates to the KPLA requirements in R-111-Q and plans to comply with the R-111-Q order. Anticollision requirements will be monitored and met.

R-111-Q Casing and Cementing Requirements:

The surface casing string shall have at least the following centralization program:

- One centralizer per joint across the shoe track
- One centralizer per 2 joints from casing shoe to the top of useable fresh water
- Not less than one centralizer every 3 joints for surface casing

A casing pressure test shall be made before drilling below the casing seat or at the time of plug bump. The casing shall be tested to 0.22 psi/ft of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of casing burst. If a drop of 10% or more should occur within 30 minutes, corrective measures shall be applied. Shoe integrity shall be verified via a formation integrity test (FIT).

The well path may be deviated from vertical after completely penetrating USGS Marker Bed No. 126

The 1st intermediate casing string shall be set at least 100 ft below the base of the salt interval and above the highest known oil/gas zone, and have at least the following centralization program:

- One centralizer per joint across the shoe track and not less than 1 centralizer every 3 joints to surface
- EOG will confirm the effectiveness of centralization program with cement placement simulations
- The Division (NMOCD) may require additional centralizers on the salt string, if it deems it necessary

The 1st intermediate cement slurry shall have the following characteristics:

- Cement will be a high sulfate resistance (HSR) slurry
- Include a minimum of 10% BWOW salt
- Include an expansion additive (1-3% BWO Magnesium Oxide or equivalent)

The 2nd intermediate casing string is required in areas of the Capitan Reef (unless exempted by the Division), and shall be set 150 ft above the Base of the Capitan formation.

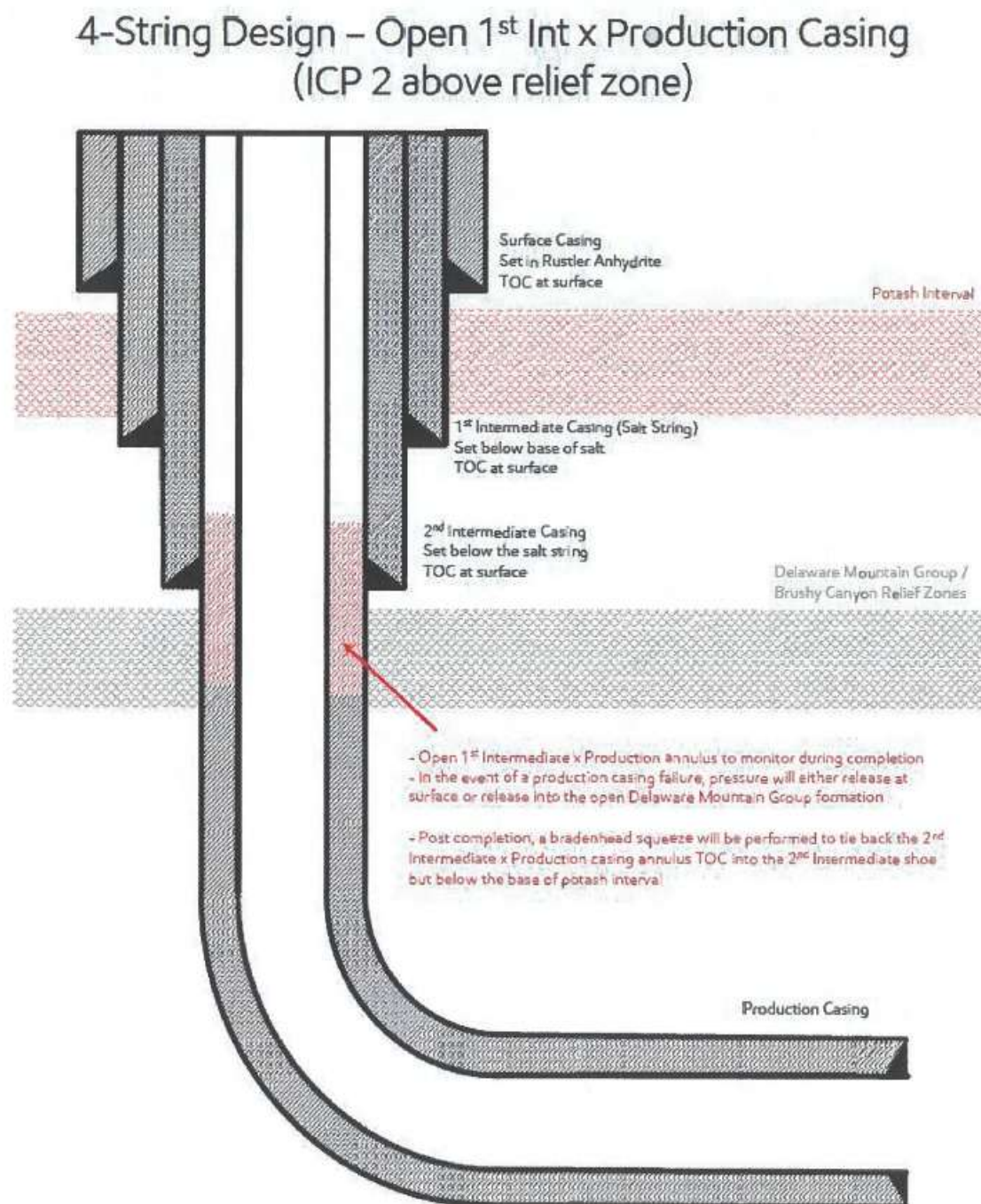
EOG will incorporate method C(5)(c)(iii) for the 4 string designs, leaving the annulus between the 2nd intermediate and the production string open and monitored. The top of production cement will be at least 500 ft below the 2nd intermediate casing point, and ZERO EXCESS will be pumped to ensure no tie-back into the 2nd intermediate.

EOG will incorporate a modified method C(5)(c)(ii) for the 5 string designs, leaving the annulus between the 2nd and 3rd intermediates open and monitored. The top of the 3rd intermediate cement will be at least 500 ft below the 2nd intermediate casing point, and ZERO EXCESS will be pumped to ensure no tie-back into the 2nd intermediate.



After hydraulic fracturing operations have been concluded/no more than 180 days after the well is brought online, EOG will bradenhead cement to ensure at least 500 ft of tie-back inside the 2nd intermediate casing, but not higher than USGS Marker Bed No. 126., and at least 50' above the Capitan formation.

See Attached Figure E from R-111-Q for 4 String - Uncemented Annulus WBD.

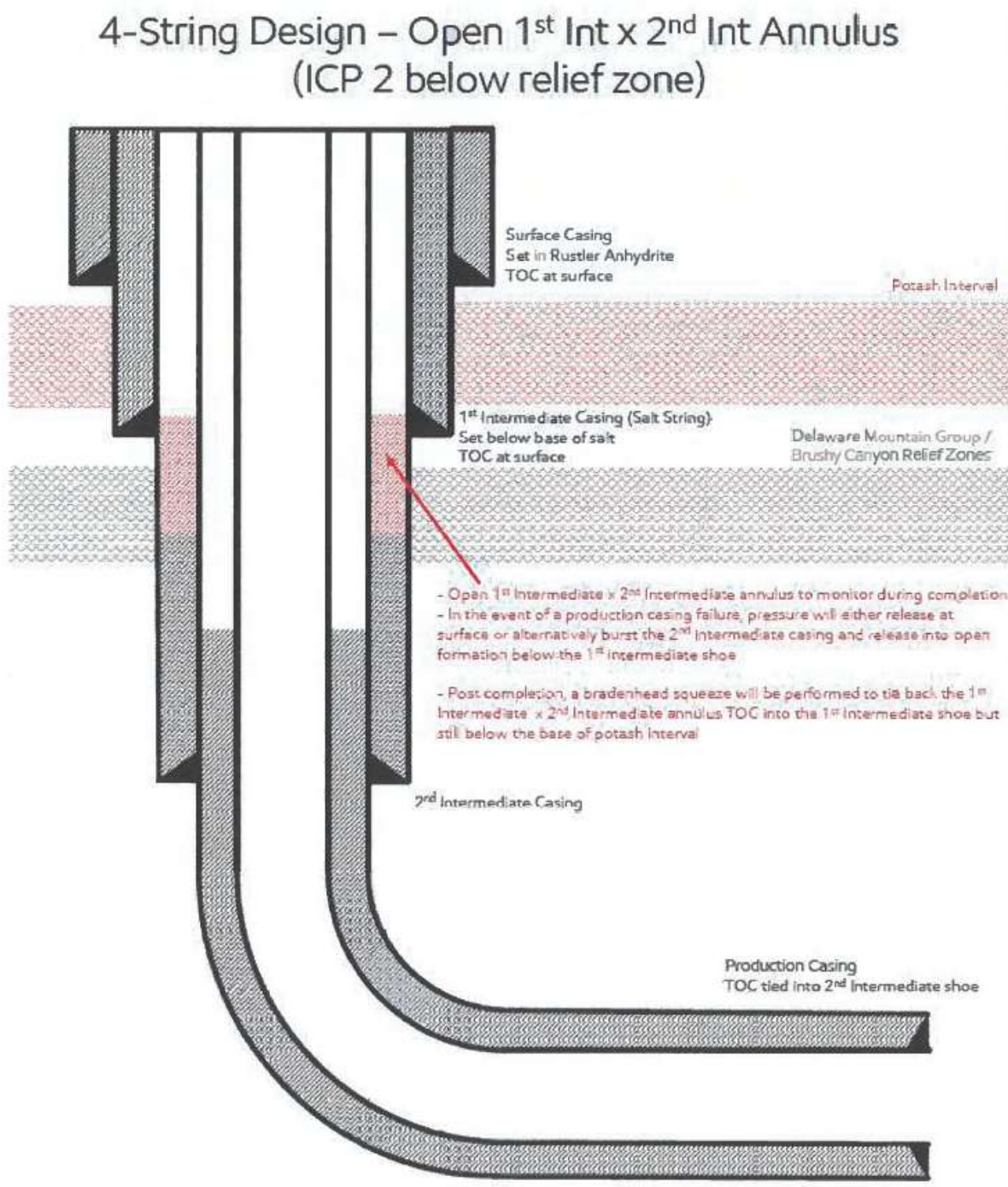


[Figure E] 4 String – Uncemented Annulus between 2nd Intermediate and Production Casing Strings



After hydraulic fracturing operations have been concluded/no more than 180 days after the well is brought online, EOG will bradenhead cement to ensure at least 500 ft of tie-back between the 3rd and the 2nd intermediate casings, but not higher than USGS Marker Bed No. 126, and at least 50' above the Capitan formation.

See Attached Figure D from R-111-Q. This design will be modified for EOG's 5 string designs, where the annulus between the 3rd and 2nd intermediate casings will be left open below the 2nd intermediate casing shoe.



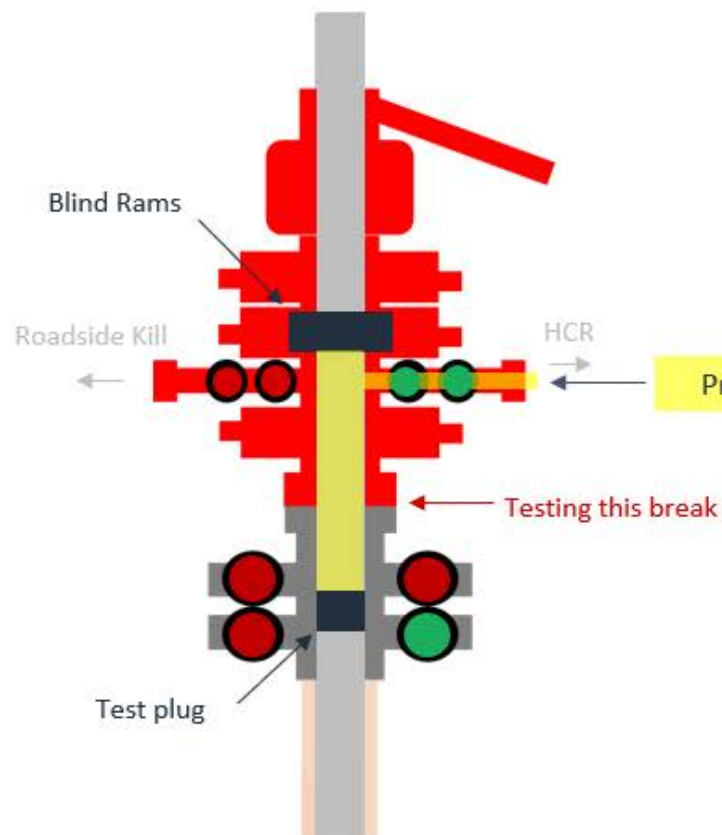
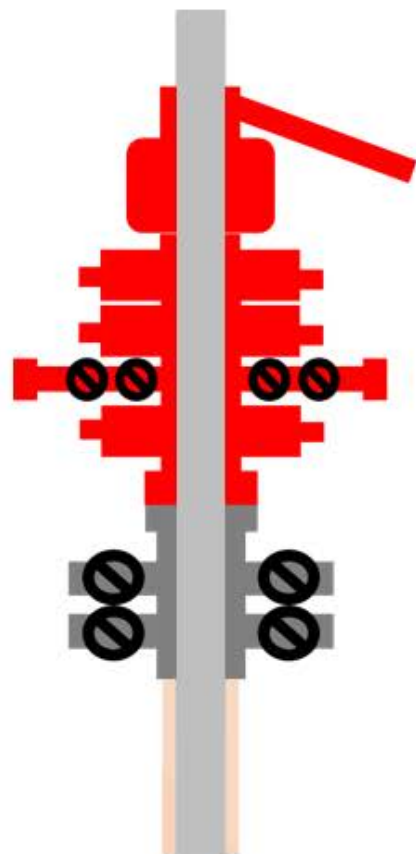
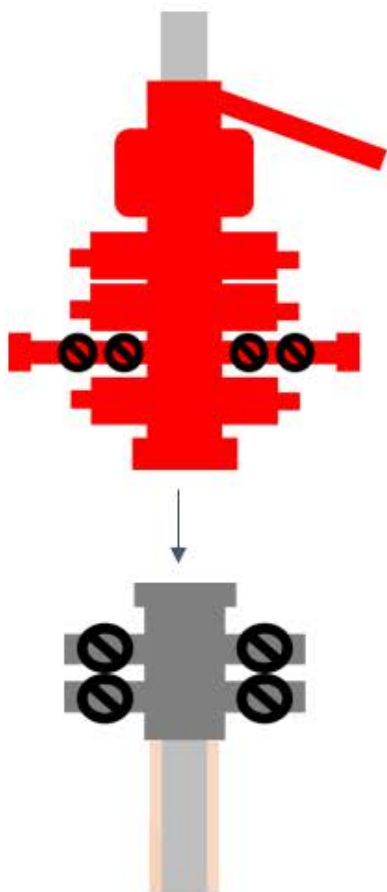
[Figure D] 4 String – Uncemented annulus between 1st and 2nd Intermediate casing strings

**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 during each full BOPE test
 - Upper Pipe Rams On trip ins where FIT required
 - Blind Rams Every trip
 - Lower Pipe Rams 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.

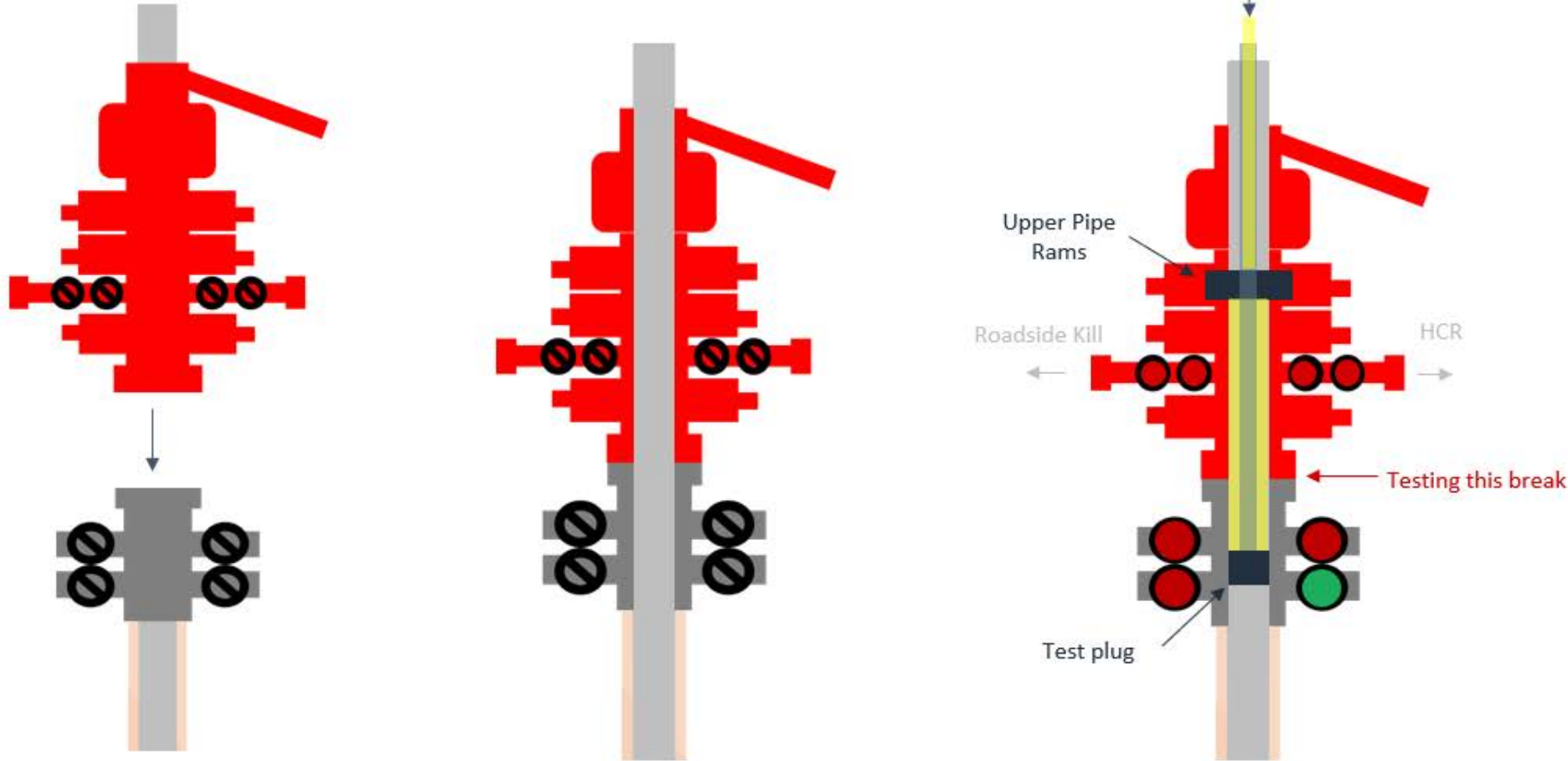
Break Test Diagram (HCR valve)



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



Midland

Lea County, NM (NAD 83 NME)

Date 14 State Com

#504H

OH

Plan: Plan #0.1 RT

Standard Planning Report

25 November, 2025



Planning Report

Database:	EDT_18	Local Co-ordinate Reference:	Well #504H
Company:	Midland	TVD Reference:	KB = 26' @ 3816.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3816.0usft
Site:	Date 14 State Com	North Reference:	Grid
Well:	#504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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	Date 14 State Com				
Site Position:		Northing:	536,428.00 usft	Latitude:	32° 28' 19.914 N
From:	Map	Easting:	786,265.00 usft	Longitude:	103° 32' 20.860 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	#504H					
Well Position	+N/-S	0.0 usft	Northing:	536,579.00 usft	Latitude:	32° 28' 21.464 N
	+E/-W	0.0 usft	Easting:	785,505.00 usft	Longitude:	103° 32' 29.718 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	3,790.0 usft
Grid Convergence:	0.43 °					

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/23/2024	6.16	60.02	47,290.91072517

Design	Plan #0.1 RT				
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	3.57	

Plan Survey Tool Program	Date	11/25/2025			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	20,874.5	Plan #0.1 RT (OH)	EOG MWD+IFR1	
				MWD + IFR1	



Planning Report

Database:	EDT_18	Local Co-ordinate Reference:	Well #504H
Company:	Midland	TVD Reference:	KB = 26' @ 3816.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3816.0usft
Site:	Date 14 State Com	North Reference:	Grid
Well:	#504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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	
3,123.0	0.00	0.00	3,123.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,840.6	14.35	116.24	3,833.1	-39.5	80.2	2.00	2.00	0.00	116.24	
6,285.7	14.35	116.24	6,201.9	-307.5	623.8	0.00	0.00	0.00	0.00	
7,003.3	0.00	0.00	6,912.0	-347.0	704.0	2.00	-2.00	0.00	180.00	
10,188.8	0.00	0.00	10,097.5	-347.0	704.0	0.00	0.00	0.00	0.00	KOP(Date 14 State #1
10,409.2	26.46	358.85	10,310.2	-297.0	703.0	12.00	12.00	-0.52	358.85	FTP(Date 14 State #5
10,938.7	90.00	359.63	10,574.9	130.4	698.5	12.00	12.00	0.15	0.87	
13,053.3	90.00	359.63	10,575.0	2,245.0	685.0	0.00	0.00	0.00	0.00	PP1(Date 14 State Cc
15,698.4	90.00	359.50	10,575.0	4,890.0	665.0	0.01	0.00	-0.01	-88.11	PP2(Date 14 State Cc
18,335.5	90.00	359.68	10,575.0	7,527.0	646.0	0.01	0.00	0.01	91.45	PP3(Date 14 State Cc
20,874.5	90.00	359.51	10,575.0	10,066.0	628.0	0.01	0.00	-0.01	-88.43	PBHL(Date 14 State #



Planning Report

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Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3816.0usft
Site:	Date 14 State Com	North Reference:	Grid
Well:	#504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,123.0	0.00	0.00	3,123.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	1.54	116.24	3,200.0	-0.5	0.9	-0.4	2.00	2.00	0.00
3,300.0	3.54	116.24	3,299.9	-2.4	4.9	-2.1	2.00	2.00	0.00
3,400.0	5.54	116.24	3,399.6	-5.9	12.0	-5.2	2.00	2.00	0.00
3,500.0	7.54	116.24	3,498.9	-11.0	22.2	-9.5	2.00	2.00	0.00
3,600.0	9.54	116.24	3,597.8	-17.5	35.5	-15.3	2.00	2.00	0.00
3,700.0	11.54	116.24	3,696.1	-25.6	51.9	-22.3	2.00	2.00	0.00
3,800.0	13.54	116.24	3,793.7	-35.2	71.4	-30.7	2.00	2.00	0.00
3,840.6	14.35	116.24	3,833.1	-39.5	80.2	-34.5	2.00	2.00	0.00
3,900.0	14.35	116.24	3,890.7	-46.0	93.4	-40.1	0.00	0.00	0.00
4,000.0	14.35	116.24	3,987.5	-57.0	115.6	-49.7	0.00	0.00	0.00
4,100.0	14.35	116.24	4,084.4	-68.0	137.9	-59.2	0.00	0.00	0.00
4,200.0	14.35	116.24	4,181.3	-78.9	160.1	-68.8	0.00	0.00	0.00
4,300.0	14.35	116.24	4,278.2	-89.9	182.3	-78.3	0.00	0.00	0.00
4,400.0	14.35	116.24	4,375.1	-100.8	204.6	-87.9	0.00	0.00	0.00
4,500.0	14.35	116.24	4,471.9	-111.8	226.8	-97.4	0.00	0.00	0.00
4,600.0	14.35	116.24	4,568.8	-122.7	249.0	-107.0	0.00	0.00	0.00
4,700.0	14.35	116.24	4,665.7	-133.7	271.3	-116.6	0.00	0.00	0.00
4,800.0	14.35	116.24	4,762.6	-144.7	293.5	-126.1	0.00	0.00	0.00
4,900.0	14.35	116.24	4,859.5	-155.6	315.7	-135.7	0.00	0.00	0.00
5,000.0	14.35	116.24	4,956.3	-166.6	338.0	-145.2	0.00	0.00	0.00
5,100.0	14.35	116.24	5,053.2	-177.5	360.2	-154.8	0.00	0.00	0.00



Planning Report

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Site:	Date 14 State Com	North Reference:	Grid
Well:	#504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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)
5,200.0	14.35	116.24	5,150.1	-188.5	382.4	-164.3	0.00	0.00	0.00
5,300.0	14.35	116.24	5,247.0	-199.5	404.7	-173.9	0.00	0.00	0.00
5,400.0	14.35	116.24	5,343.9	-210.4	426.9	-183.4	0.00	0.00	0.00
5,500.0	14.35	116.24	5,440.7	-221.4	449.1	-193.0	0.00	0.00	0.00
5,600.0	14.35	116.24	5,537.6	-232.3	471.4	-202.5	0.00	0.00	0.00
5,700.0	14.35	116.24	5,634.5	-243.3	493.6	-212.1	0.00	0.00	0.00
5,800.0	14.35	116.24	5,731.4	-254.3	515.8	-221.6	0.00	0.00	0.00
5,900.0	14.35	116.24	5,828.3	-265.2	538.1	-231.2	0.00	0.00	0.00
6,000.0	14.35	116.24	5,925.1	-276.2	560.3	-240.7	0.00	0.00	0.00
6,100.0	14.35	116.24	6,022.0	-287.1	582.5	-250.3	0.00	0.00	0.00
6,200.0	14.35	116.24	6,118.9	-298.1	604.8	-259.8	0.00	0.00	0.00
6,285.7	14.35	116.24	6,201.9	-307.5	623.8	-268.0	0.00	0.00	0.00
6,300.0	14.07	116.24	6,215.8	-309.0	627.0	-269.4	2.00	-2.00	0.00
6,400.0	12.07	116.24	6,313.2	-319.0	647.2	-278.1	2.00	-2.00	0.00
6,500.0	10.07	116.24	6,411.3	-327.5	664.5	-285.5	2.00	-2.00	0.00
6,600.0	8.07	116.24	6,510.1	-334.5	678.6	-291.6	2.00	-2.00	0.00
6,700.0	6.07	116.24	6,609.3	-339.9	689.6	-296.3	2.00	-2.00	0.00
6,800.0	4.07	116.24	6,708.9	-343.8	697.5	-299.7	2.00	-2.00	0.00
6,900.0	2.07	116.24	6,808.8	-346.2	702.3	-301.8	2.00	-2.00	0.00
7,003.3	0.00	0.00	6,912.0	-347.0	704.0	-302.5	2.00	-2.00	0.00
7,100.0	0.00	0.00	7,008.7	-347.0	704.0	-302.5	0.00	0.00	0.00
7,200.0	0.00	0.00	7,108.7	-347.0	704.0	-302.5	0.00	0.00	0.00
7,300.0	0.00	0.00	7,208.7	-347.0	704.0	-302.5	0.00	0.00	0.00
7,400.0	0.00	0.00	7,308.7	-347.0	704.0	-302.5	0.00	0.00	0.00
7,500.0	0.00	0.00	7,408.7	-347.0	704.0	-302.5	0.00	0.00	0.00
7,600.0	0.00	0.00	7,508.7	-347.0	704.0	-302.5	0.00	0.00	0.00
7,700.0	0.00	0.00	7,608.7	-347.0	704.0	-302.5	0.00	0.00	0.00
7,800.0	0.00	0.00	7,708.7	-347.0	704.0	-302.5	0.00	0.00	0.00
7,900.0	0.00	0.00	7,808.7	-347.0	704.0	-302.5	0.00	0.00	0.00
8,000.0	0.00	0.00	7,908.7	-347.0	704.0	-302.5	0.00	0.00	0.00
8,100.0	0.00	0.00	8,008.7	-347.0	704.0	-302.5	0.00	0.00	0.00
8,200.0	0.00	0.00	8,108.7	-347.0	704.0	-302.5	0.00	0.00	0.00
8,300.0	0.00	0.00	8,208.7	-347.0	704.0	-302.5	0.00	0.00	0.00
8,400.0	0.00	0.00	8,308.7	-347.0	704.0	-302.5	0.00	0.00	0.00
8,500.0	0.00	0.00	8,408.7	-347.0	704.0	-302.5	0.00	0.00	0.00
8,600.0	0.00	0.00	8,508.7	-347.0	704.0	-302.5	0.00	0.00	0.00
8,700.0	0.00	0.00	8,608.7	-347.0	704.0	-302.5	0.00	0.00	0.00
8,800.0	0.00	0.00	8,708.7	-347.0	704.0	-302.5	0.00	0.00	0.00
8,900.0	0.00	0.00	8,808.7	-347.0	704.0	-302.5	0.00	0.00	0.00
9,000.0	0.00	0.00	8,908.7	-347.0	704.0	-302.5	0.00	0.00	0.00
9,100.0	0.00	0.00	9,008.7	-347.0	704.0	-302.5	0.00	0.00	0.00
9,200.0	0.00	0.00	9,108.7	-347.0	704.0	-302.5	0.00	0.00	0.00
9,300.0	0.00	0.00	9,208.7	-347.0	704.0	-302.5	0.00	0.00	0.00
9,400.0	0.00	0.00	9,308.7	-347.0	704.0	-302.5	0.00	0.00	0.00
9,500.0	0.00	0.00	9,408.7	-347.0	704.0	-302.5	0.00	0.00	0.00
9,600.0	0.00	0.00	9,508.7	-347.0	704.0	-302.5	0.00	0.00	0.00
9,700.0	0.00	0.00	9,608.7	-347.0	704.0	-302.5	0.00	0.00	0.00
9,800.0	0.00	0.00	9,708.7	-347.0	704.0	-302.5	0.00	0.00	0.00
9,900.0	0.00	0.00	9,808.7	-347.0	704.0	-302.5	0.00	0.00	0.00
10,000.0	0.00	0.00	9,908.7	-347.0	704.0	-302.5	0.00	0.00	0.00
10,100.0	0.00	0.00	10,008.7	-347.0	704.0	-302.5	0.00	0.00	0.00
10,188.8	0.00	0.00	10,097.5	-347.0	704.0	-302.5	0.00	0.00	0.00
10,200.0	1.35	358.85	10,108.7	-346.9	704.0	-302.4	12.00	12.00	0.00
10,225.0	4.35	358.85	10,133.7	-345.6	704.0	-301.1	12.00	12.00	0.00



Planning Report

Database:	EDT_18	Local Co-ordinate Reference:	Well #504H
Company:	Midland	TVD Reference:	KB = 26' @ 3816.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3816.0usft
Site:	Date 14 State Com	North Reference:	Grid
Well:	#504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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)
10,250.0	7.35	358.85	10,158.6	-343.1	703.9	-298.6	12.00	12.00	0.00
10,275.0	10.35	358.85	10,183.3	-339.2	703.8	-294.7	12.00	12.00	0.00
10,300.0	13.35	358.85	10,207.7	-334.1	703.7	-289.6	12.00	12.00	0.00
10,325.0	16.35	358.85	10,231.9	-327.7	703.6	-283.2	12.00	12.00	0.00
10,350.0	19.35	358.85	10,255.7	-320.0	703.5	-275.6	12.00	12.00	0.00
10,375.0	22.35	358.85	10,279.0	-311.1	703.3	-266.7	12.00	12.00	0.00
10,400.0	25.36	358.85	10,301.9	-301.0	703.1	-256.7	12.00	12.00	0.00
10,409.2	26.46	358.85	10,310.2	-297.0	703.0	-252.6	12.00	12.00	0.00
10,425.0	28.36	358.91	10,324.2	-289.7	702.9	-245.4	12.00	12.00	0.38
10,450.0	31.36	359.00	10,345.9	-277.3	702.6	-233.0	12.00	12.00	0.33
10,475.0	34.36	359.07	10,366.9	-263.7	702.4	-219.5	12.00	12.00	0.28
10,500.0	37.35	359.13	10,387.1	-249.1	702.2	-204.9	12.00	12.00	0.24
10,525.0	40.35	359.18	10,406.6	-233.4	701.9	-189.3	12.00	12.00	0.21
10,550.0	43.35	359.22	10,425.2	-216.7	701.7	-172.6	12.00	12.00	0.18
10,575.0	46.35	359.26	10,443.0	-199.1	701.5	-155.0	12.00	12.00	0.16
10,600.0	49.35	359.30	10,459.7	-180.6	701.2	-136.6	12.00	12.00	0.15
10,625.0	52.35	359.34	10,475.5	-161.2	701.0	-117.2	12.00	12.00	0.14
10,650.0	55.35	359.37	10,490.3	-141.0	700.8	-97.1	12.00	12.00	0.12
10,675.0	58.35	359.40	10,503.9	-120.1	700.6	-76.2	12.00	12.00	0.12
10,700.0	61.35	359.42	10,516.5	-98.5	700.3	-54.7	12.00	12.00	0.11
10,725.0	64.35	359.45	10,527.9	-76.2	700.1	-32.5	12.00	12.00	0.10
10,750.0	67.35	359.47	10,538.1	-53.4	699.9	-9.7	12.00	12.00	0.10
10,775.0	70.35	359.50	10,547.1	-30.1	699.7	13.5	12.00	12.00	0.09
10,800.0	73.35	359.52	10,554.9	-6.3	699.5	37.2	12.00	12.00	0.09
10,825.0	76.35	359.54	10,561.4	17.8	699.3	61.3	12.00	12.00	0.09
10,850.0	79.35	359.56	10,566.7	42.2	699.1	85.7	12.00	12.00	0.09
10,875.0	82.35	359.58	10,570.7	66.9	698.9	110.3	12.00	12.00	0.08
10,900.0	85.35	359.60	10,573.3	91.8	698.7	135.1	12.00	12.00	0.08
10,925.0	88.35	359.62	10,574.7	116.7	698.6	160.0	12.00	12.00	0.08
10,938.7	90.00	359.63	10,574.9	130.4	698.5	173.7	12.00	12.00	0.08
11,000.0	90.00	359.63	10,574.9	191.7	698.1	234.8	0.00	0.00	0.00
11,100.0	90.00	359.63	10,574.9	291.7	697.5	334.6	0.00	0.00	0.00
11,200.0	90.00	359.63	10,574.9	391.7	696.8	434.3	0.00	0.00	0.00
11,300.0	90.00	359.63	10,574.9	491.7	696.2	534.1	0.00	0.00	0.00
11,400.0	90.00	359.63	10,574.9	591.7	695.5	633.9	0.00	0.00	0.00
11,500.0	90.00	359.63	10,574.9	691.7	694.9	733.6	0.00	0.00	0.00
11,600.0	90.00	359.63	10,574.9	791.7	694.3	833.4	0.00	0.00	0.00
11,700.0	90.00	359.63	10,574.9	891.7	693.6	933.2	0.00	0.00	0.00
11,800.0	90.00	359.63	10,575.0	991.7	693.0	1,032.9	0.00	0.00	0.00
11,900.0	90.00	359.63	10,575.0	1,091.7	692.4	1,132.7	0.00	0.00	0.00
12,000.0	90.00	359.63	10,575.0	1,191.7	691.7	1,232.4	0.00	0.00	0.00
12,100.0	90.00	359.63	10,575.0	1,291.7	691.1	1,332.2	0.00	0.00	0.00
12,200.0	90.00	359.63	10,575.0	1,391.7	690.4	1,432.0	0.00	0.00	0.00
12,300.0	90.00	359.63	10,575.0	1,491.7	689.8	1,531.7	0.00	0.00	0.00
12,400.0	90.00	359.63	10,575.0	1,591.7	689.2	1,631.5	0.00	0.00	0.00
12,500.0	90.00	359.63	10,575.0	1,691.7	688.5	1,731.3	0.00	0.00	0.00
12,600.0	90.00	359.63	10,575.0	1,791.7	687.9	1,831.0	0.00	0.00	0.00
12,700.0	90.00	359.63	10,575.0	1,891.7	687.3	1,930.8	0.00	0.00	0.00
12,800.0	90.00	359.63	10,575.0	1,991.7	686.6	2,030.6	0.00	0.00	0.00
12,900.0	90.00	359.63	10,575.0	2,091.7	686.0	2,130.3	0.00	0.00	0.00
13,000.0	90.00	359.63	10,575.0	2,191.7	685.3	2,230.1	0.00	0.00	0.00
13,053.3	90.00	359.63	10,575.0	2,245.0	685.0	2,283.3	0.00	0.00	0.00
13,100.0	90.00	359.63	10,575.0	2,291.7	684.7	2,329.9	0.01	0.00	-0.01
13,200.0	90.00	359.63	10,575.0	2,391.7	684.1	2,429.6	0.01	0.00	-0.01



Planning Report

Database:	EDT_18	Local Co-ordinate Reference:	Well #504H
Company:	Midland	TVD Reference:	KB = 26' @ 3816.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3816.0usft
Site:	Date 14 State Com	North Reference:	Grid
Well:	#504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

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	359.62	10,575.0	2,491.7	683.4	2,529.4	0.01	0.00	-0.01
13,400.0	90.00	359.62	10,575.0	2,591.7	682.7	2,629.1	0.01	0.00	-0.01
13,500.0	90.00	359.61	10,575.0	2,691.7	682.1	2,728.9	0.01	0.00	-0.01
13,600.0	90.00	359.61	10,575.0	2,791.7	681.4	2,828.7	0.01	0.00	-0.01
13,700.0	90.00	359.60	10,575.0	2,891.6	680.7	2,928.4	0.01	0.00	-0.01
13,800.0	90.00	359.60	10,575.0	2,991.6	680.0	3,028.2	0.01	0.00	-0.01
13,900.0	90.00	359.59	10,575.0	3,091.6	679.3	3,127.9	0.01	0.00	-0.01
14,000.0	90.00	359.59	10,575.0	3,191.6	678.6	3,227.7	0.01	0.00	-0.01
14,100.0	90.00	359.58	10,575.0	3,291.6	677.8	3,327.5	0.01	0.00	-0.01
14,200.0	90.00	359.58	10,575.0	3,391.6	677.1	3,427.2	0.01	0.00	-0.01
14,300.0	90.00	359.57	10,575.0	3,491.6	676.4	3,527.0	0.01	0.00	-0.01
14,400.0	90.00	359.57	10,575.0	3,591.6	675.6	3,626.7	0.01	0.00	-0.01
14,500.0	90.00	359.56	10,575.0	3,691.6	674.8	3,726.5	0.01	0.00	-0.01
14,600.0	90.00	359.56	10,575.0	3,791.6	674.1	3,826.2	0.01	0.00	-0.01
14,700.0	90.00	359.55	10,575.0	3,891.6	673.3	3,926.0	0.01	0.00	-0.01
14,800.0	90.00	359.54	10,575.0	3,991.6	672.5	4,025.7	0.01	0.00	-0.01
14,900.0	90.00	359.54	10,575.0	4,091.6	671.7	4,125.5	0.01	0.00	-0.01
15,000.0	90.00	359.53	10,575.0	4,191.6	670.9	4,225.3	0.01	0.00	-0.01
15,100.0	90.00	359.53	10,575.0	4,291.6	670.1	4,325.0	0.01	0.00	-0.01
15,200.0	90.00	359.52	10,575.0	4,391.6	669.2	4,424.8	0.01	0.00	-0.01
15,300.0	90.00	359.52	10,575.0	4,491.6	668.4	4,524.5	0.01	0.00	-0.01
15,400.0	90.00	359.51	10,575.0	4,591.6	667.6	4,624.3	0.01	0.00	-0.01
15,500.0	90.00	359.51	10,575.0	4,691.6	666.7	4,724.0	0.01	0.00	-0.01
15,600.0	90.00	359.50	10,575.0	4,791.6	665.9	4,823.8	0.01	0.00	-0.01
15,698.4	90.00	359.50	10,575.0	4,890.0	665.0	4,921.9	0.01	0.00	-0.01
15,700.0	90.00	359.50	10,575.0	4,891.6	665.0	4,923.5	0.01	0.00	0.01
15,800.0	90.00	359.51	10,575.0	4,991.6	664.1	5,023.3	0.01	0.00	0.01
15,900.0	90.00	359.51	10,575.0	5,091.6	663.3	5,123.0	0.01	0.00	0.01
16,000.0	90.00	359.52	10,575.0	5,191.6	662.4	5,222.7	0.01	0.00	0.01
16,100.0	90.00	359.53	10,575.0	5,291.6	661.6	5,322.5	0.01	0.00	0.01
16,200.0	90.00	359.53	10,575.0	5,391.6	660.8	5,422.3	0.01	0.00	0.01
16,300.0	90.00	359.54	10,575.0	5,491.6	659.9	5,522.0	0.01	0.00	0.01
16,400.0	90.00	359.55	10,575.0	5,591.6	659.2	5,621.8	0.01	0.00	0.01
16,500.0	90.00	359.55	10,575.0	5,691.6	658.4	5,721.5	0.01	0.00	0.01
16,600.0	90.00	359.56	10,575.0	5,791.6	657.6	5,821.3	0.01	0.00	0.01
16,700.0	90.00	359.57	10,575.0	5,891.6	656.8	5,921.0	0.01	0.00	0.01
16,800.0	90.00	359.57	10,575.0	5,991.6	656.1	6,020.8	0.01	0.00	0.01
16,900.0	90.00	359.58	10,575.0	6,091.5	655.3	6,120.5	0.01	0.00	0.01
17,000.0	90.00	359.59	10,575.0	6,191.5	654.6	6,220.3	0.01	0.00	0.01
17,100.0	90.00	359.59	10,575.0	6,291.5	653.9	6,320.1	0.01	0.00	0.01
17,200.0	90.00	359.60	10,575.0	6,391.5	653.2	6,419.8	0.01	0.00	0.01
17,300.0	90.00	359.61	10,575.0	6,491.5	652.5	6,519.6	0.01	0.00	0.01
17,400.0	90.00	359.61	10,575.0	6,591.5	651.8	6,619.3	0.01	0.00	0.01
17,500.0	90.00	359.62	10,575.0	6,691.5	651.1	6,719.1	0.01	0.00	0.01
17,600.0	90.00	359.63	10,575.0	6,791.5	650.5	6,818.9	0.01	0.00	0.01
17,700.0	90.00	359.63	10,575.0	6,891.5	649.8	6,918.6	0.01	0.00	0.01
17,800.0	90.00	359.64	10,575.0	6,991.5	649.2	7,018.4	0.01	0.00	0.01
17,900.0	90.00	359.65	10,575.0	7,091.5	648.6	7,118.2	0.01	0.00	0.01
18,000.0	90.00	359.65	10,575.0	7,191.5	648.0	7,217.9	0.01	0.00	0.01
18,100.0	90.00	359.66	10,575.0	7,291.5	647.4	7,317.7	0.01	0.00	0.01
18,200.0	90.00	359.67	10,575.0	7,391.5	646.8	7,417.5	0.01	0.00	0.01
18,300.0	90.00	359.67	10,575.0	7,491.5	646.2	7,517.2	0.01	0.00	0.01
18,335.5	90.00	359.68	10,575.0	7,527.0	646.0	7,552.6	0.01	0.00	0.01
18,400.0	90.00	359.67	10,575.0	7,591.5	645.6	7,617.0	0.01	0.00	-0.01



Planning Report

Database:	EDT_18	Local Co-ordinate Reference:	Well #504H
Company:	Midland	TVD Reference:	KB = 26' @ 3816.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3816.0usft
Site:	Date 14 State Com	North Reference:	Grid
Well:	#504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

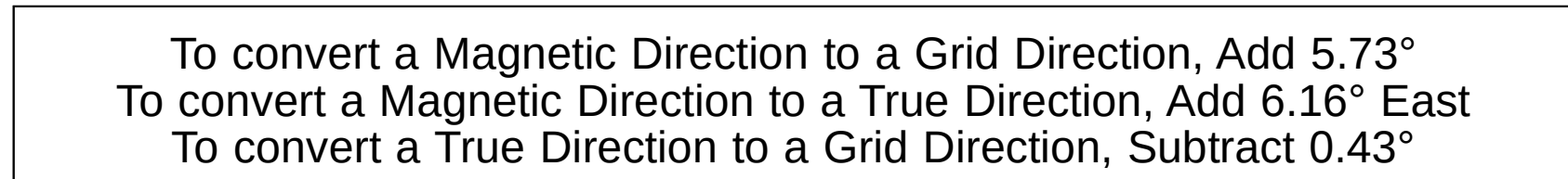
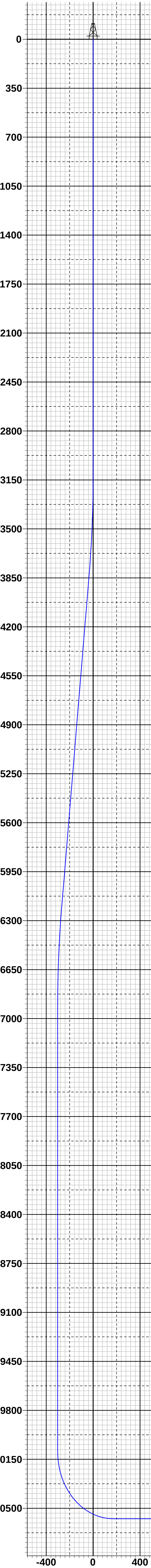
Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
18,500.0	90.00	359.66	10,575.0	7,691.5	645.1	7,716.8	0.01	0.00	-0.01	
18,600.0	90.00	359.66	10,575.0	7,791.5	644.5	7,816.5	0.01	0.00	-0.01	
18,700.0	90.00	359.65	10,575.0	7,891.5	643.9	7,916.3	0.01	0.00	-0.01	
18,800.0	90.00	359.65	10,575.0	7,991.5	643.2	8,016.1	0.01	0.00	-0.01	
18,900.0	90.00	359.64	10,575.0	8,091.5	642.6	8,115.8	0.01	0.00	-0.01	
19,000.0	90.00	359.63	10,575.0	8,191.5	642.0	8,215.6	0.01	0.00	-0.01	
19,100.0	90.00	359.63	10,575.0	8,291.5	641.3	8,315.3	0.01	0.00	-0.01	
19,200.0	90.00	359.62	10,575.0	8,391.5	640.7	8,415.1	0.01	0.00	-0.01	
19,300.0	90.00	359.61	10,575.0	8,491.5	640.0	8,514.9	0.01	0.00	-0.01	
19,400.0	90.00	359.61	10,575.0	8,591.5	639.3	8,614.6	0.01	0.00	-0.01	
19,500.0	90.00	359.60	10,575.0	8,691.5	638.6	8,714.4	0.01	0.00	-0.01	
19,600.0	90.00	359.59	10,575.0	8,791.5	637.9	8,814.2	0.01	0.00	-0.01	
19,700.0	90.00	359.59	10,575.0	8,891.5	637.2	8,913.9	0.01	0.00	-0.01	
19,800.0	90.00	359.58	10,575.0	8,991.5	636.5	9,013.7	0.01	0.00	-0.01	
19,900.0	90.00	359.57	10,575.0	9,091.5	635.8	9,113.4	0.01	0.00	-0.01	
20,000.0	90.00	359.57	10,575.0	9,191.5	635.0	9,213.2	0.01	0.00	-0.01	
20,100.0	90.00	359.56	10,575.0	9,291.5	634.3	9,312.9	0.01	0.00	-0.01	
20,200.0	90.00	359.56	10,575.0	9,391.5	633.5	9,412.7	0.01	0.00	-0.01	
20,300.0	90.00	359.55	10,575.0	9,491.5	632.7	9,512.5	0.01	0.00	-0.01	
20,400.0	90.00	359.54	10,575.0	9,591.5	631.9	9,612.2	0.01	0.00	-0.01	
20,500.0	90.00	359.54	10,575.0	9,691.5	631.1	9,712.0	0.01	0.00	-0.01	
20,600.0	90.00	359.53	10,575.0	9,791.5	630.3	9,811.7	0.01	0.00	-0.01	
20,700.0	90.00	359.52	10,575.0	9,891.5	629.5	9,911.5	0.01	0.00	-0.01	
20,800.0	90.00	359.52	10,575.0	9,991.5	628.6	10,011.2	0.01	0.00	-0.01	
20,874.5	90.00	359.51	10,575.0	10,066.0	628.0	10,085.6	0.01	0.00	-0.01	

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(Date 14 State #504 - plan hits target center - Point	0.00	0.00	10,097.5	-347.0	704.0	536,232.00	786,209.00	32° 28' 17.978 N	103° 32' 21.531 W	
FTP(Date 14 State #504 - plan hits target center - Point	0.00	0.00	10,310.2	-297.0	703.0	536,282.00	786,208.00	32° 28' 18.473 N	103° 32' 21.538 W	
PP1(Date 14 State Com - plan hits target center - Point	0.00	0.00	10,575.0	2,245.0	685.0	538,824.00	786,190.00	32° 28' 43.627 N	103° 32' 21.527 W	
PP2(Date 14 State Com - plan hits target center - Point	0.00	0.00	10,575.0	4,890.0	665.0	541,469.00	786,170.00	32° 29' 9.800 N	103° 32' 21.531 W	
PP3(Date 14 State Com - plan hits target center - Point	0.00	0.00	10,575.0	7,527.0	646.0	544,106.00	786,151.00	32° 29' 35.893 N	103° 32' 21.524 W	
PBHL(Date 14 State #504 - plan hits target center - Point	0.00	0.00	10,575.0	10,066.0	628.0	546,645.00	786,133.00	32° 30' 1.017 N	103° 32' 21.513 W	



Planning Report

Database:	EDT_18	Local Co-ordinate Reference:	Well #504H
Company:	Midland	TVD Reference:	KB = 26' @ 3816.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 26' @ 3816.0usft
Site:	Date 14 State Com	North Reference:	Grid
Well:	#504H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		



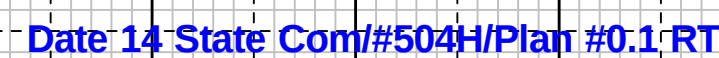
Plan #0.1 RT

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

			3790.0
	KB = 26' @ 3816.0usft		
Northing	Easting	Latitude	Longitude
536579.00	785505.00	32° 28' 21.464 N	103° 32' 29.718 W

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3123.0	0.00	0.00	3123.0	0.0	0.0	0.00	0.00	0.0	
3	3840.6	14.35	116.24	3833.1	-39.5	80.2	2.00	116.24	-34.5	
4	6285.7	14.35	116.24	6201.9	-307.5	623.8	0.00	0.00	-268.0	
5	7003.3	0.00	0.00	6912.0	-347.0	704.0	2.00	180.00	-302.5	
6	10188.8	0.00	0.00	10097.5	-347.0	704.0	0.00	0.00	-302.5	KOP(Date 14 State #504H)
7	10409.2	26.46	358.85	10310.2	-297.0	703.0	12.00	358.85	-252.6	FTP(Date 14 State #504H)
8	10938.7	90.00	359.63	10574.9	130.4	698.5	12.00	0.87	173.7	
9	13053.3	90.00	359.63	10575.0	2245.0	685.0	0.00	0.00	2283.3	PP1(Date 14 State Com #504H)
10	15698.4	90.00	359.50	10575.0	4890.0	665.0	0.01	-88.11	4921.9	PP2(Date 14 State Com #504H)
11	18335.5	90.00	359.68	10575.0	7527.0	646.0	0.01	91.45	7552.6	PP3(Date 14 State Com #504H)
12	20874.5	90.00	359.51	10575.0	10066.0	628.0	0.01	-88.43	10085.6	PBHL(Date 14 State #504H)

Name	TVD	+N/-S	+E/-W	Northing	Eastong
KOP(Date 14 State #504H)	10097.5	-347.0	704.0	53623.02	786209.00
FTP(Date 14 State #504H)	10310.2	-297.0	703.0	53628.00	786208.00
PP1(Date 14 State Com #504H)	10575.0	2245.0	685.0	53882.44	786190.00
PP2(Date 14 State Com #504H)	10575.0	4890.0	665.0	541469.00	786170.00
PP3(Date 14 State Com #504H)	10575.0	7527.0	646.0	544106.00	786151.00
PBHL(Date 14 State #504H)	10575.0	10066.0	628.0	546645.00	786133.00



Lea County, NM (NAD 83 NME)
Date 14 State Com
#504H
OH
Plan #0.1 RT
15:59, November 25 2025

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

COMMENTS

Action 530343

COMMENTS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 530343
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
matthew.gomez	NSP no longer required due to defining well's ability to proxy in adjacent acreage.	12/16/2025

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CONDITIONS

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Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 530343
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	All previous COA's still apply.	12/23/2025