

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

Update casing and cement program to current design.

Update the Pool as reflected in the C-102.

Location of Well

0. SHL: SWSW / 455 FSL / 1202 FWL / TWSP: 25S / RANGE: 30E / SECTION: 32 / LAT: 32.080299 / LONG: -103.908181 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 100 FNL / 2200 FWL / TWSP: 26S / RANGE: 30E / SECTION: 5 / LAT: 32.078785 / LONG: -103.90496 (TVD: 9717 feet, MD: 10113 feet)

BHL: SESW / 100 FSL / 2200 FWL / TWSP: 26S / RANGE: 30E / SECTION: 8 / LAT: 32.050117 / LONG: -103.904915 (TVD: 9717 feet, MD: 20541 feet)

CONFIDENTIAL



Banjo 32 Fed Com 762H

Revised Permit Information 07/19/2024:

Well Name: Banjo 32 Fed Com 762H

Location: SHL: 455' FSL & 1202' FWL, Section 32, T-25-S, R-30-E, Eddy Co., N.M.

BHL: 230' FSL & 2542' FWL, Section 8, T-26-S, R-30-E, Eddy Co., N.M.

CASING PROGRAM:

Hole Size	Interval MD		Interval TVD		Csg OD	Weight	Grade	Conn
	From (ft)	To (ft)	From (ft)	To (ft)				
12-1/4"	0	1,320	0	1,320	9-5/8"	36#	J-55	LTC
8-3/4"	0	11,934	0	11,600	7-5/8"	29.7#	ICYP-110	MO FXL
6-3/4"	0	11,434	0	11,100	5-1/2"	20#	P110-EC	DWC/C IS MS
6-3/4"	11,434	11,934	11,100	11,600	5-1/2"	20#	P110-EC	VAM Sprint SF
6-3/4"	11,934	22,226	11,600	11,811	5-1/2"	20#	P110-EC	DWC/C IS MS

Variance is requested to waive the centralizer requirements for the 7-5/8" casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 5-1/2" casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive the annular clearance requirements for the 5-1/2" casing by 7-5/8" casing annulus to the proposed top of cement.

EOG requests permission to allow deviation from the 0.422" annulus clearance requirement from Onshore Order #2 under the following conditions:

- Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings.
- Annular clearance less than 0.422" is acceptable for the production open hole section.

CEMENTING PROGRAM:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,320' 9-5/8"	360	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	80	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,120')
11,600' 7-5/8"	1330	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 5,630')
	1000	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
22,226' 5-1/2"	2267	12.5	2.05	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ Surface)
	2270	13.2	1.41	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 11,100')

**Banjo 32 Fed Com 762H**

Additive	Purpose
Bentonite Gel	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
MagOx	Expansive agent
Pre-Mag-M	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

EOG requests variance from minimum standards to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (5,826') and the second stage performed as a 1000 sack bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of 100 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top will be verified by Echo-meter.

EOG will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

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.

MUD PROGRAM:

Measured Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,320'	Fresh - Gel	8.6-8.8	28-34	N/c
1,320' – 11,600'	Brine	9.0-10.5	28-34	N/c
11,600' – 11,603'	Oil Base	8.7-9.4	58-68	N/c - 6
11,603' – 22,226' Lateral	Oil Base	10.0-14.0	58-68	4 - 6



Banjo 32 Fed Com 762H

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.

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.



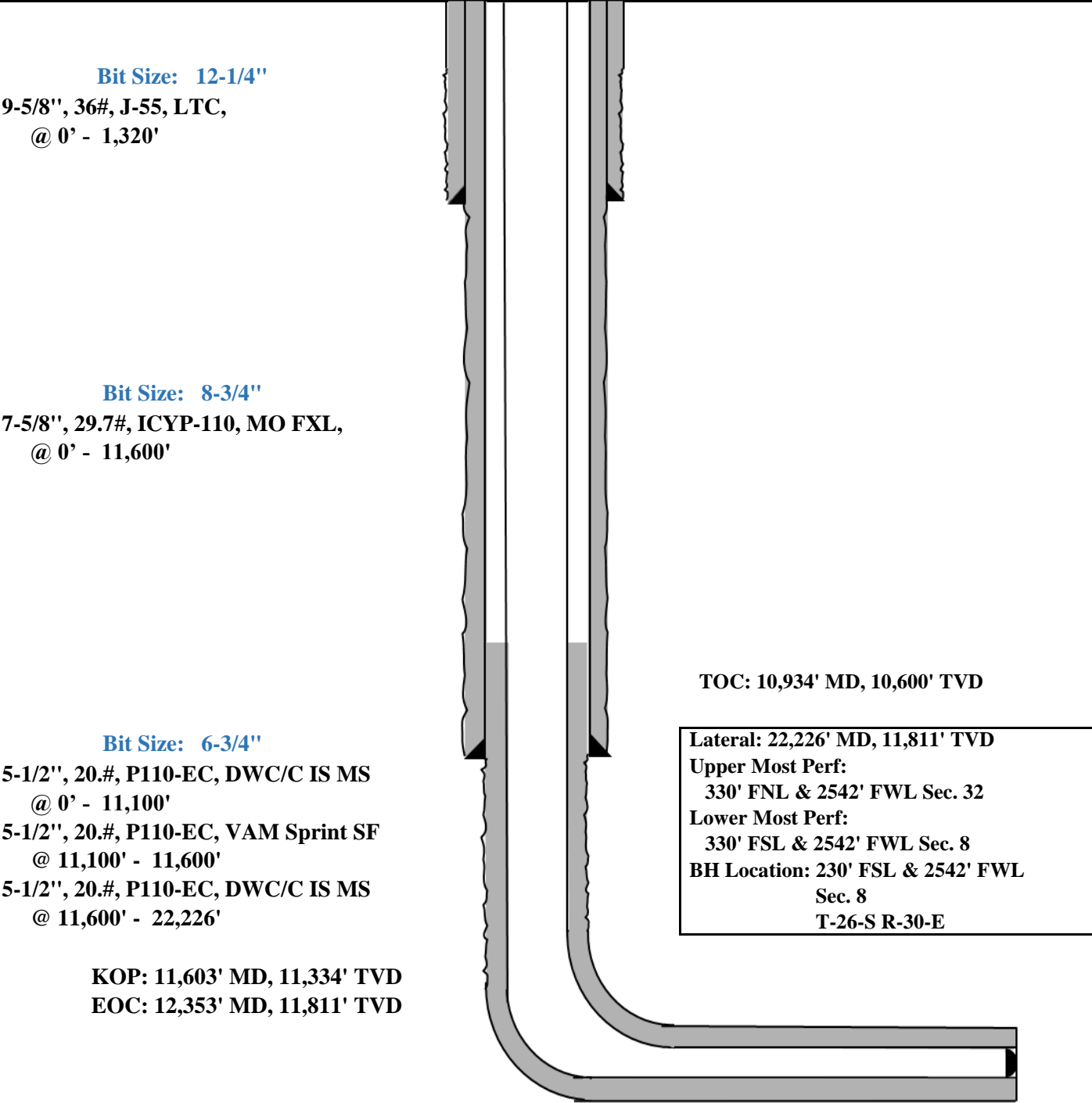
Banjo 32 Fed Com 762H

455' FSL
1202' FWL
Section 32
T-25-S, R-30-E

Revised Wellbore

API: 30-015-48265

KB: 3188'
GL: 3163'





Banjo 32 Fed Com 762H

Design B**CASING PROGRAM:**

Hole Size	Interval MD		Interval TVD		Csg OD	Weight	Grade	Conn
	From (ft)	To (ft)	From (ft)	To (ft)				
13"	0	1,320	0	1,320	10-3/4"	40.5#	J-55	STC
9-7/8"	0	11,934	0	11,600	8-3/4"	38.5#	P110-EC	VAM Sprint-SF
7-7/8"	0	11,603	0	11,334	6"	22.3#	P110-EC	DWC/C IS
6.75"	11,603	22,226	11,334	11,811	5-1/2"	20#	P110-EC	DWC/C IS MS

**For highlighted rows above, variance is requested to run entire string of either 6" or 5-1/2" casing string above due to availability.

Variance is requested to waive the centralizer requirements for the 8-3/4" casing in the 9-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 9-7/8" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive any centralizer requirements for the 6" and 5-1/2" casings in the 7-7/8" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 7-7/8" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to waive the annular clearance requirements for the 6" and 5-1/2" casings by 8-3/4" casing annulus to the proposed top of cement.

EOG requests permission to allow deviation from the 0.422" annulus clearance requirement from Onshore Order #2 under the following conditions:

- Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings.
- Annular clearance less than 0.422" is acceptable for the production open hole section.

CEMENTING PROGRAM:

Depth	No. Sacks	Wt. ppg	Yld Ft3/sk	Slurry Description
1,320' 10-3/4"	330	13.5	1.73	Lead: Class C + 4.0% Bentonite Gel + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	70	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate (TOC @ 1,120')
11,600' 8-3/4"	1510	14.2	1.11	1st Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3% Microbond (TOC @ 5,626')
	1000	14.8	1.5	2nd Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (TOC @ surface)
22,226' 6"	1560	13.2	1.31	Lead: Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC @ 11,100')

**Banjo 32 Fed Com 762H**

EOG requests variance from minimum standards to pump a two stage cement job on the 8-3/4" intermediate casing string with the first stage being pumped conventionally with the calculated top of cement at the Brushy Canyon (5,826') and the second stage performed as a 1000 sack bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of -973 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top will be verified by Echo-meter.

EOG will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

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 REQUESTS:

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

Variances requested include (supporting documents attached):

- BOP Break Testing for 5M Intermediate Intervals (EOG BLM Variance 3a_b)
- Offline Cementing for Surface and Intermediate Intervals (EOG BLM Variance 3a_b)
- Intermediate Bradenhead Cement (EOG BLM Variance 2a)



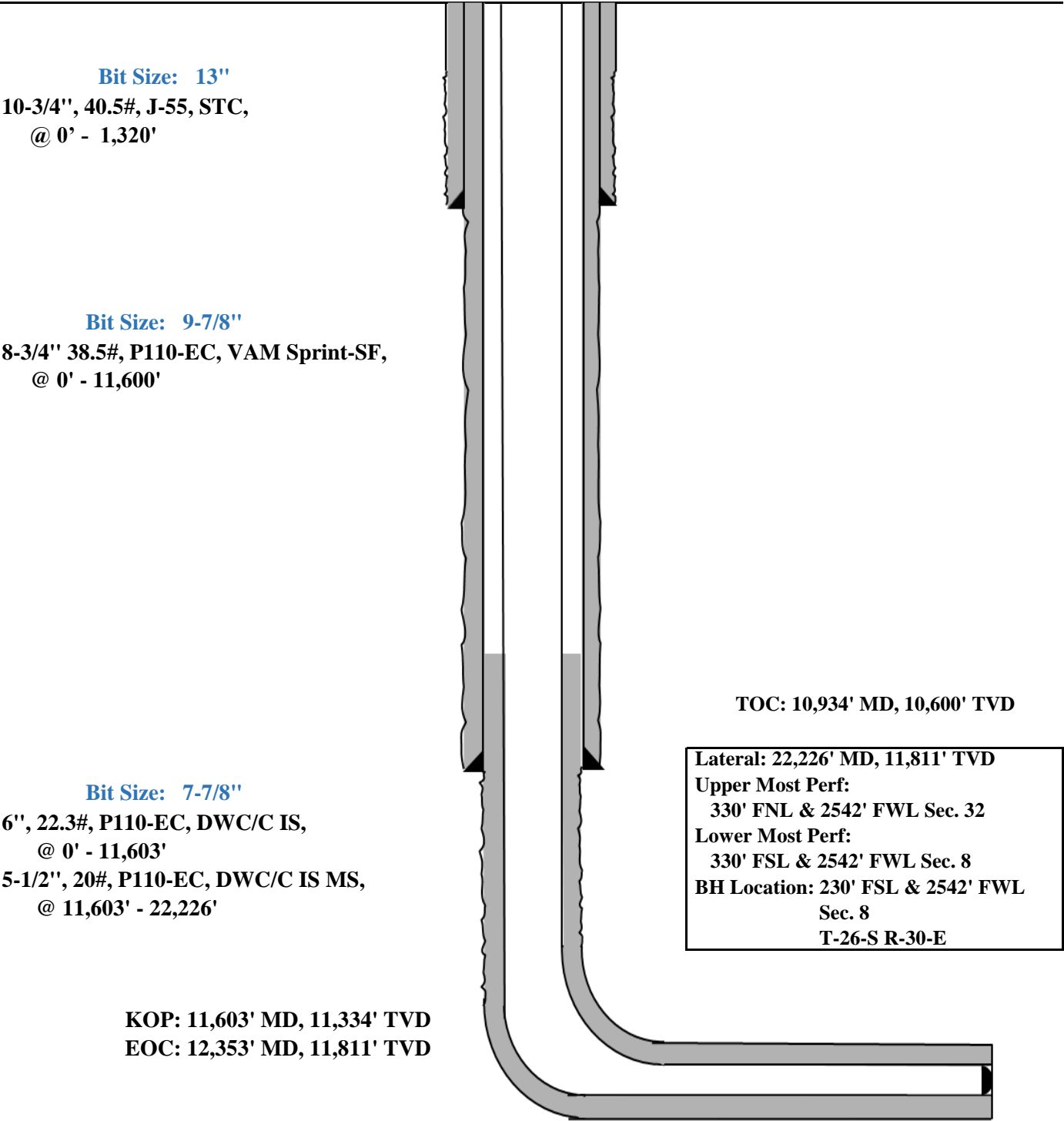
Banjo 32 Fed Com 762H

455' FSL
1202' FWL
Section 32
T-25-S, R-30-E

Proposed Wellbore

API: 30-015-48265

KB: 3188'
GL: 3163'





Banjo 32 Fed Com 762H

GEOLOGIC NAME OF SURFACE FORMATION:

Permian

ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1,242'
Tamarisk Anhydrite	1,292'
Top of Salt	1,549'
Base of Salt	3,436'
Lamar	3,634'
Bell Canyon	3,661'
Cherry Canyon	577'
Brushy Canyon	5,826'
Bone Spring Lime	7,481'
Leonard (Avalon) Shale	7,547'
1st Bone Spring Sand	8,412'
2nd Bone Spring Shale	8,685'
2nd Bone Spring Sand	9,134'
3rd Bone Spring Carb	9,615'
3rd Bone Spring Sand	10,326'
Wolfcamp	10,738'
TD	11,811'

ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400'	Fresh Water
Bell Canyon	3,661'	Oil
Cherry Canyon	577'	Oil
Brushy Canyon	5,826'	Oil
Leonard (Avalon) Shale	7,547'	Oil
1st Bone Spring Sand	8,412'	Oil
2nd Bone Spring Shale	8,685'	Oil
2nd Bone Spring Sand	9,134'	Oil

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:	<input type="checkbox"/> Initial Submittal
			<input checked="" type="checkbox"/> Amended Report
		<input type="checkbox"/> As Drilled	
Property Name and Well Number BANJO 32 FED COM 762H			

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-48265	Pool Code 98220	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 330002	Property Name BANJO 32 FED COM	Well Number 762H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Ground Level Elevation 3163'

Surface Location

UL or Lot No. M	Section 32	Township 25 S	Range 30 E	Lot	Feet from the N/S 455 FSL	Feet from the E/W 1202 FWL	Latitude N 32.080299°	Longitude W 103.908181°	County EDDY
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Bottom Hole Location If Different From Surface

UL or Lot No. N	Section 8	Township 26 S	Range 30 E	Lot	Feet from the N/S 230 FSL	Feet from the E/W 2542 FWL	Latitude N 32.050478°	Longitude W 103.903811°	County EDDY
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Dedicated Acres 640	Infill or Defining Well INFILL	Defining Well API 30-015-48948	Overlapping Spacing Unit (Y/N) YES	Consolidated Code
Order Numbers PENDING COM AGREEMENT			Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL or lot no. C	Section 5	Township 26 S	Range 30 E	Lot	Feet from the N/S 50 FNL	Feet from the E/W 2542 FWL	Latitude N 32.078926°	Longitude W 103.903857°	County EDDY
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First Take Point (FTP)

UL or lot no. C	Section 5	Township 26 S	Range 30 E	Lot	Feet from the N/S 330 FNL	Feet from the E/W 2542 FWL	Latitude N 32.078156°	Longitude W 103.903853°	County EDDY
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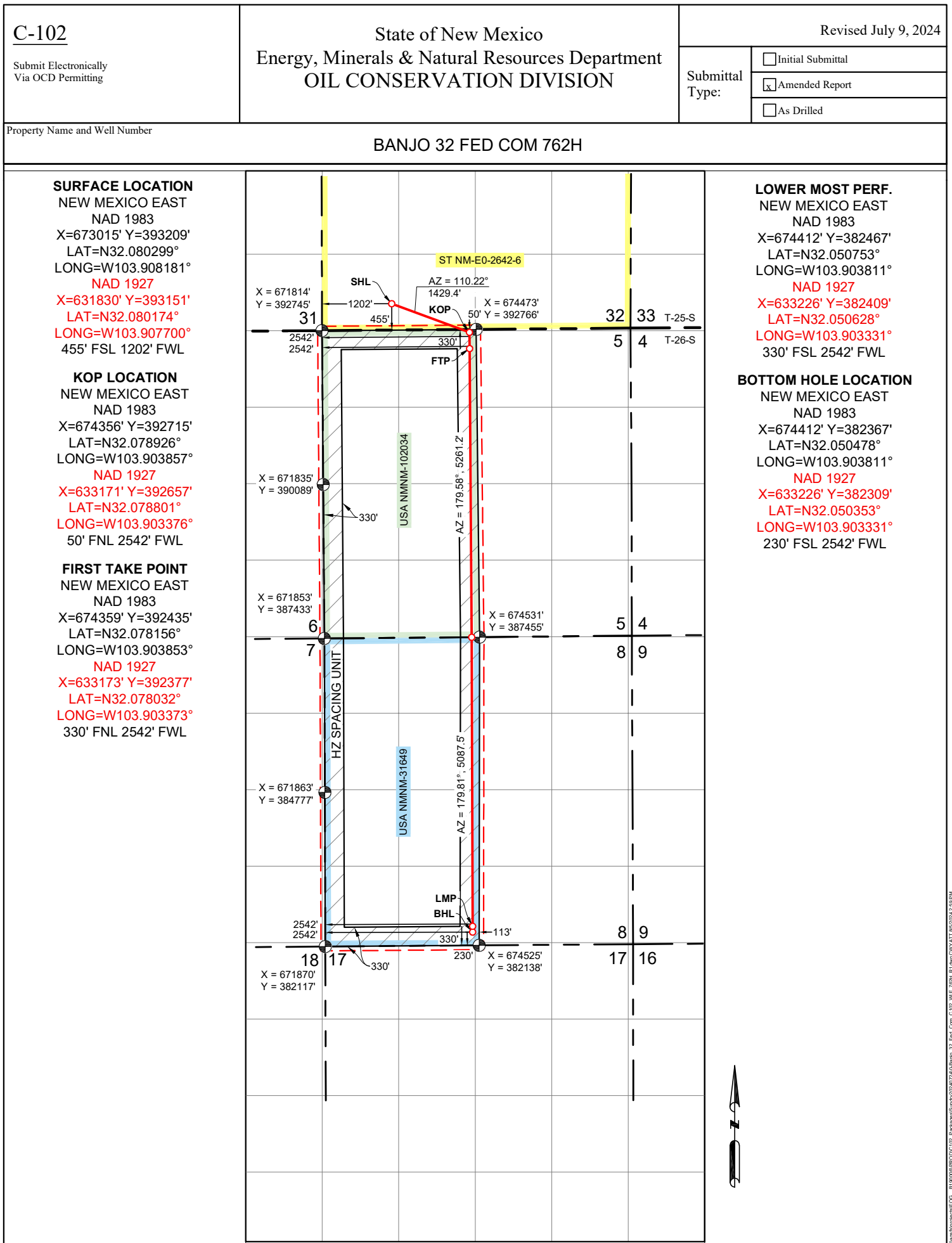
Last Take Point (LTP)

UL or lot no. N	Section 8	Township 26 S	Range 30 E	Lot	Feet from the N/S 330 FSL	Feet from the E/W 2542 FWL	Latitude N 32.050753°	Longitude W 103.903811°	County EDDY
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Unitized Area or Area of Uniform Interest	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation 3188'
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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> Signature <u>Kayla McConnell</u> Date <u>8/15/2024</u> Print Name <u>KAYLA MCCONNELL</u> E-mail Address <u>KAYLA_MCCONNELL@EOGRESORCES.COM</u>	SURVEYORS CERTIFICATION  Signature and Seal of Professional Surveyor _____ Date _____ <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> MITCHELL L. MCDONALD, N.M. P.L.S. Certificate Number <u>29821</u> Date of Survey <u>FEBRUARY 8, 2024</u>
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Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.





Midland

Eddy County, NM (NAD 83 NME)

Banjo 32 Fed Com

#762H

OH

Plan: Plan #0.1 RT

Standard Planning Report

06 August, 2024



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #762H
Company:	Midland	TVD Reference:	kb = 26' @ 3189.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3189.0usft
Site:	Banjo 32 Fed Com	North Reference:	Grid
Well:	#762H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Project	Eddy 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		Using geodetic scale factor

Site	Banjo 32 Fed Com		
Site Position:		Northing:	393,149.00 usft
From:	Map	Easting:	0.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 7.662 N
		Longitude:	106° 4' 51.015 W

Well	#762H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
Grid Convergence:	0.23 °	Latitude:	32° 4' 49.072 N
		Longitude:	103° 54' 29.454 W
		Ground Level:	3,163.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	8/6/2024	6.32	59.62	47,049.72672755

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	172.66	

Plan Survey Tool Program	Date	8/6/2024			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	22,225.5	Plan #0.1 RT (OH)	EOG MWD+IFR1	
			MWD + IFR1		



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #762H
Company:	Midland	TVD Reference:	kb = 26' @ 3189.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3189.0usft
Site:	Banjo 32 Fed Com	North Reference:	Grid
Well:	#762H	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	
1,417.0	0.00	0.00	1,417.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,627.0	24.20	110.22	2,591.4	-87.0	236.2	2.00	2.00	0.00	110.22	
4,885.8	24.20	110.22	4,651.6	-407.1	1,105.1	0.00	0.00	0.00	0.00	
6,095.8	0.00	0.00	5,826.0	-494.1	1,341.4	2.00	-2.00	0.00	180.00	
11,603.3	0.00	0.00	11,333.5	-494.1	1,341.4	0.00	0.00	0.00	0.00	KOP(Banjo 32 Fed Co
12,149.8	65.59	179.39	11,768.2	-774.2	1,344.3	12.00	12.00	32.83	179.39	FTP(Banjo 32 Fed Co
12,353.2	90.00	179.70	11,810.9	-971.5	1,345.9	12.00	12.00	0.15	0.75	
22,125.5	90.00	179.70	11,811.0	-10,743.6	1,397.2	0.00	0.00	0.00	0.00	Fed LTP(Banjo 32 Fe
22,225.5	90.00	180.30	11,811.0	-10,843.7	1,397.2	0.60	0.00	0.60	89.88	PBHL(Banjo 32 Fed C



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #762H
Company:	Midland	TVD Reference:	kb = 26' @ 3189.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3189.0usft
Site:	Banjo 32 Fed Com	North Reference:	Grid
Well:	#762H	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
1,417.0	0.00	0.00	1,417.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	1.66	110.22	1,500.0	-0.4	1.1	0.6	2.00	2.00	0.00
1,600.0	3.66	110.22	1,599.9	-2.0	5.5	2.7	2.00	2.00	0.00
1,700.0	5.66	110.22	1,699.5	-4.8	13.1	6.5	2.00	2.00	0.00
1,800.0	7.66	110.22	1,798.9	-8.8	24.0	11.8	2.00	2.00	0.00
1,900.0	9.66	110.22	1,897.7	-14.0	38.1	18.8	2.00	2.00	0.00
2,000.0	11.66	110.22	1,996.0	-20.4	55.5	27.4	2.00	2.00	0.00
2,100.0	13.66	110.22	2,093.5	-28.0	76.0	37.5	2.00	2.00	0.00
2,200.0	15.66	110.22	2,190.3	-36.8	99.8	49.2	2.00	2.00	0.00
2,300.0	17.66	110.22	2,286.1	-46.7	126.7	62.5	2.00	2.00	0.00
2,400.0	19.66	110.22	2,380.8	-57.7	156.7	77.3	2.00	2.00	0.00
2,500.0	21.66	110.22	2,474.4	-69.9	189.8	93.6	2.00	2.00	0.00
2,600.0	23.66	110.22	2,566.7	-83.2	226.0	111.4	2.00	2.00	0.00
2,627.0	24.20	110.22	2,591.4	-87.0	236.2	116.5	2.00	2.00	0.00
2,700.0	24.20	110.22	2,657.9	-97.4	264.3	130.3	0.00	0.00	0.00
2,800.0	24.20	110.22	2,749.1	-111.5	302.8	149.3	0.00	0.00	0.00
2,900.0	24.20	110.22	2,840.4	-125.7	341.3	168.3	0.00	0.00	0.00
3,000.0	24.20	110.22	2,931.6	-139.9	379.7	187.3	0.00	0.00	0.00
3,100.0	24.20	110.22	3,022.8	-154.1	418.2	206.2	0.00	0.00	0.00
3,200.0	24.20	110.22	3,114.0	-168.2	456.6	225.2	0.00	0.00	0.00
3,300.0	24.20	110.22	3,205.2	-182.4	495.1	244.2	0.00	0.00	0.00
3,400.0	24.20	110.22	3,296.4	-196.6	533.6	263.1	0.00	0.00	0.00
3,500.0	24.20	110.22	3,387.6	-210.7	572.0	282.1	0.00	0.00	0.00
3,600.0	24.20	110.22	3,478.8	-224.9	610.5	301.1	0.00	0.00	0.00
3,700.0	24.20	110.22	3,570.0	-239.1	649.0	320.0	0.00	0.00	0.00
3,800.0	24.20	110.22	3,661.3	-253.2	687.4	339.0	0.00	0.00	0.00
3,900.0	24.20	110.22	3,752.5	-267.4	725.9	358.0	0.00	0.00	0.00
4,000.0	24.20	110.22	3,843.7	-281.6	764.4	377.0	0.00	0.00	0.00
4,100.0	24.20	110.22	3,934.9	-295.8	802.8	395.9	0.00	0.00	0.00
4,200.0	24.20	110.22	4,026.1	-309.9	841.3	414.9	0.00	0.00	0.00
4,300.0	24.20	110.22	4,117.3	-324.1	879.8	433.9	0.00	0.00	0.00
4,400.0	24.20	110.22	4,208.5	-338.3	918.2	452.8	0.00	0.00	0.00
4,500.0	24.20	110.22	4,299.7	-352.4	956.7	471.8	0.00	0.00	0.00
4,600.0	24.20	110.22	4,390.9	-366.6	995.2	490.8	0.00	0.00	0.00
4,700.0	24.20	110.22	4,482.2	-380.8	1,033.6	509.7	0.00	0.00	0.00
4,800.0	24.20	110.22	4,573.4	-394.9	1,072.1	528.7	0.00	0.00	0.00
4,885.8	24.20	110.22	4,651.6	-407.1	1,105.1	545.0	0.00	0.00	0.00
4,900.0	23.92	110.22	4,664.6	-409.1	1,110.5	547.7	2.00	-2.00	0.00
5,000.0	21.92	110.22	4,756.7	-422.6	1,147.1	565.7	2.00	-2.00	0.00



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #762H
Company:	Midland	TVD Reference:	kb = 26' @ 3189.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3189.0usft
Site:	Banjo 32 Fed Com	North Reference:	Grid
Well:	#762H	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)	
5,100.0	19.92	110.22	4,850.1	-434.9	1,180.6	582.2	2.00	-2.00	0.00	
5,200.0	17.92	110.22	4,944.7	-446.1	1,211.0	597.2	2.00	-2.00	0.00	
5,300.0	15.92	110.22	5,040.4	-456.2	1,238.3	610.7	2.00	-2.00	0.00	
5,400.0	13.92	110.22	5,137.0	-465.1	1,262.5	622.6	2.00	-2.00	0.00	
5,500.0	11.92	110.22	5,234.5	-472.8	1,283.4	632.9	2.00	-2.00	0.00	
5,600.0	9.92	110.22	5,332.6	-479.3	1,301.2	641.7	2.00	-2.00	0.00	
5,700.0	7.92	110.22	5,431.4	-484.7	1,315.7	648.9	2.00	-2.00	0.00	
5,800.0	5.92	110.22	5,530.7	-488.9	1,327.0	654.4	2.00	-2.00	0.00	
5,900.0	3.92	110.22	5,630.3	-491.8	1,335.1	658.4	2.00	-2.00	0.00	
6,000.0	1.92	110.22	5,730.2	-493.6	1,339.9	660.8	2.00	-2.00	0.00	
6,095.8	0.00	0.00	5,826.0	-494.1	1,341.4	661.5	2.00	-2.00	0.00	
6,100.0	0.00	0.00	5,830.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
6,200.0	0.00	0.00	5,930.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,030.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,130.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,230.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,330.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,430.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,530.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,630.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,730.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
7,100.0	0.00	0.00	6,830.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
7,200.0	0.00	0.00	6,930.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,030.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,130.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,230.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,330.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,430.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,530.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,630.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,730.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,830.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
8,200.0	0.00	0.00	7,930.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,030.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,130.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,230.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,330.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,430.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,530.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,630.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,730.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,830.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
9,200.0	0.00	0.00	8,930.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,030.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,130.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,230.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,330.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,430.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,530.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,630.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,730.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
10,100.0	0.00	0.00	9,830.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
10,200.0	0.00	0.00	9,930.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,030.2	-494.1	1,341.4	661.5	0.00	0.00	0.00	



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #762H
Company:	Midland	TVD Reference:	kb = 26' @ 3189.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3189.0usft
Site:	Banjo 32 Fed Com	North Reference:	Grid
Well:	#762H	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)
10,400.0	0.00	0.00	10,130.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
10,500.0	0.00	0.00	10,230.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
10,600.0	0.00	0.00	10,330.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
10,700.0	0.00	0.00	10,430.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
10,800.0	0.00	0.00	10,530.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
10,900.0	0.00	0.00	10,630.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
11,000.0	0.00	0.00	10,730.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
11,100.0	0.00	0.00	10,830.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
11,200.0	0.00	0.00	10,930.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
11,300.0	0.00	0.00	11,030.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
11,400.0	0.00	0.00	11,130.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
11,500.0	0.00	0.00	11,230.2	-494.1	1,341.4	661.5	0.00	0.00	0.00
11,603.3	0.00	0.00	11,333.5	-494.1	1,341.4	661.5	0.00	0.00	0.00
11,625.0	2.60	179.39	11,355.2	-494.6	1,341.4	662.0	12.00	12.00	0.00
11,650.0	5.60	179.39	11,380.1	-496.4	1,341.4	663.8	12.00	12.00	0.00
11,675.0	8.60	179.39	11,404.9	-499.5	1,341.4	666.8	12.00	12.00	0.00
11,700.0	11.60	179.39	11,429.5	-503.9	1,341.5	671.2	12.00	12.00	0.00
11,725.0	14.60	179.39	11,453.9	-509.6	1,341.5	676.8	12.00	12.00	0.00
11,750.0	17.60	179.39	11,477.9	-516.5	1,341.6	683.7	12.00	12.00	0.00
11,775.0	20.60	179.39	11,501.5	-524.7	1,341.7	691.8	12.00	12.00	0.00
11,800.0	23.60	179.39	11,524.7	-534.1	1,341.8	701.2	12.00	12.00	0.00
11,825.0	26.61	179.39	11,547.3	-544.7	1,341.9	711.7	12.00	12.00	0.00
11,850.0	29.61	179.39	11,569.3	-556.5	1,342.0	723.4	12.00	12.00	0.00
11,875.0	32.61	179.39	11,590.7	-569.4	1,342.2	736.2	12.00	12.00	0.00
11,900.0	35.61	179.39	11,611.4	-583.4	1,342.3	750.1	12.00	12.00	0.00
11,925.0	38.61	179.39	11,631.4	-598.5	1,342.5	765.1	12.00	12.00	0.00
11,950.0	41.61	179.39	11,650.5	-614.6	1,342.6	781.1	12.00	12.00	0.00
11,975.0	44.61	179.39	11,668.7	-631.6	1,342.8	798.1	12.00	12.00	0.00
12,000.0	47.61	179.39	11,686.1	-649.7	1,343.0	816.0	12.00	12.00	0.00
12,025.0	50.61	179.39	11,702.4	-668.6	1,343.2	834.7	12.00	12.00	0.00
12,050.0	53.61	179.39	11,717.8	-688.3	1,343.4	854.3	12.00	12.00	0.00
12,075.0	56.61	179.39	11,732.1	-708.8	1,343.6	874.7	12.00	12.00	0.00
12,100.0	59.61	179.39	11,745.3	-730.0	1,343.9	895.8	12.00	12.00	0.00
12,125.0	62.61	179.39	11,757.4	-751.9	1,344.1	917.5	12.00	12.00	0.00
12,149.8	65.59	179.39	11,768.2	-774.2	1,344.3	939.7	12.00	12.00	0.00
12,175.0	68.61	179.43	11,778.0	-797.4	1,344.6	962.7	12.00	12.00	0.17
12,200.0	71.61	179.47	11,786.5	-820.9	1,344.8	986.0	12.00	12.00	0.16
12,225.0	74.61	179.51	11,793.8	-844.8	1,345.0	1,009.8	12.00	12.00	0.16
12,250.0	77.61	179.55	11,799.8	-869.1	1,345.2	1,033.9	12.00	12.00	0.15
12,275.0	80.61	179.59	11,804.5	-893.6	1,345.4	1,058.3	12.00	12.00	0.15
12,300.0	83.61	179.62	11,807.9	-918.4	1,345.6	1,082.8	12.00	12.00	0.15
12,325.0	86.61	179.66	11,810.1	-943.3	1,345.7	1,107.6	12.00	12.00	0.14
12,350.0	89.61	179.69	11,810.9	-968.3	1,345.9	1,132.3	12.00	12.00	0.14
12,353.2	90.00	179.70	11,810.9	-971.5	1,345.9	1,135.6	12.00	12.00	0.14
12,400.0	90.00	179.70	11,810.9	-1,018.3	1,346.1	1,182.0	0.00	0.00	0.00
12,500.0	90.00	179.70	11,810.9	-1,118.3	1,346.7	1,281.2	0.00	0.00	0.00
12,600.0	90.00	179.70	11,810.9	-1,218.3	1,347.2	1,380.5	0.00	0.00	0.00
12,700.0	90.00	179.70	11,810.9	-1,318.3	1,347.7	1,479.7	0.00	0.00	0.00
12,800.0	90.00	179.70	11,810.9	-1,418.3	1,348.2	1,579.0	0.00	0.00	0.00
12,900.0	90.00	179.70	11,810.9	-1,518.3	1,348.8	1,678.2	0.00	0.00	0.00
13,000.0	90.00	179.70	11,810.9	-1,618.3	1,349.3	1,777.4	0.00	0.00	0.00
13,100.0	90.00	179.70	11,810.9	-1,718.3	1,349.8	1,876.7	0.00	0.00	0.00
13,200.0	90.00	179.70	11,810.9	-1,818.3	1,350.3	1,975.9	0.00	0.00	0.00
13,300.0	90.00	179.70	11,810.9	-1,918.3	1,350.9	2,075.2	0.00	0.00	0.00



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #762H
Company:	Midland	TVD Reference:	kb = 26' @ 3189.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3189.0usft
Site:	Banjo 32 Fed Com	North Reference:	Grid
Well:	#762H	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)	
13,400.0	90.00	179.70	11,810.9	-2,018.3	1,351.4	2,174.4	0.00	0.00	0.00	
13,500.0	90.00	179.70	11,810.9	-2,118.3	1,351.9	2,273.7	0.00	0.00	0.00	
13,600.0	90.00	179.70	11,810.9	-2,218.3	1,352.4	2,372.9	0.00	0.00	0.00	
13,700.0	90.00	179.70	11,810.9	-2,318.3	1,353.0	2,472.2	0.00	0.00	0.00	
13,800.0	90.00	179.70	11,810.9	-2,418.3	1,353.5	2,571.4	0.00	0.00	0.00	
13,900.0	90.00	179.70	11,810.9	-2,518.3	1,354.0	2,670.7	0.00	0.00	0.00	
14,000.0	90.00	179.70	11,810.9	-2,618.3	1,354.5	2,769.9	0.00	0.00	0.00	
14,100.0	90.00	179.70	11,810.9	-2,718.3	1,355.1	2,869.2	0.00	0.00	0.00	
14,200.0	90.00	179.70	11,810.9	-2,818.3	1,355.6	2,968.4	0.00	0.00	0.00	
14,300.0	90.00	179.70	11,810.9	-2,918.3	1,356.1	3,067.6	0.00	0.00	0.00	
14,400.0	90.00	179.70	11,810.9	-3,018.3	1,356.6	3,166.9	0.00	0.00	0.00	
14,500.0	90.00	179.70	11,810.9	-3,118.3	1,357.2	3,266.1	0.00	0.00	0.00	
14,600.0	90.00	179.70	11,810.9	-3,218.3	1,357.7	3,365.4	0.00	0.00	0.00	
14,700.0	90.00	179.70	11,810.9	-3,318.3	1,358.2	3,464.6	0.00	0.00	0.00	
14,800.0	90.00	179.70	11,810.9	-3,418.3	1,358.7	3,563.9	0.00	0.00	0.00	
14,900.0	90.00	179.70	11,810.9	-3,518.3	1,359.3	3,663.1	0.00	0.00	0.00	
15,000.0	90.00	179.70	11,810.9	-3,618.3	1,359.8	3,762.4	0.00	0.00	0.00	
15,100.0	90.00	179.70	11,810.9	-3,718.3	1,360.3	3,861.6	0.00	0.00	0.00	
15,200.0	90.00	179.70	11,810.9	-3,818.3	1,360.8	3,960.9	0.00	0.00	0.00	
15,300.0	90.00	179.70	11,810.9	-3,918.3	1,361.4	4,060.1	0.00	0.00	0.00	
15,400.0	90.00	179.70	11,810.9	-4,018.3	1,361.9	4,159.3	0.00	0.00	0.00	
15,500.0	90.00	179.70	11,810.9	-4,118.3	1,362.4	4,258.6	0.00	0.00	0.00	
15,600.0	90.00	179.70	11,810.9	-4,218.2	1,362.9	4,357.8	0.00	0.00	0.00	
15,700.0	90.00	179.70	11,810.9	-4,318.2	1,363.5	4,457.1	0.00	0.00	0.00	
15,800.0	90.00	179.70	11,810.9	-4,418.2	1,364.0	4,556.3	0.00	0.00	0.00	
15,900.0	90.00	179.70	11,810.9	-4,518.2	1,364.5	4,655.6	0.00	0.00	0.00	
16,000.0	90.00	179.70	11,810.9	-4,618.2	1,365.0	4,754.8	0.00	0.00	0.00	
16,100.0	90.00	179.70	11,810.9	-4,718.2	1,365.6	4,854.1	0.00	0.00	0.00	
16,200.0	90.00	179.70	11,810.9	-4,818.2	1,366.1	4,953.3	0.00	0.00	0.00	
16,300.0	90.00	179.70	11,810.9	-4,918.2	1,366.6	5,052.6	0.00	0.00	0.00	
16,400.0	90.00	179.70	11,810.9	-5,018.2	1,367.1	5,151.8	0.00	0.00	0.00	
16,500.0	90.00	179.70	11,810.9	-5,118.2	1,367.7	5,251.1	0.00	0.00	0.00	
16,600.0	90.00	179.70	11,810.9	-5,218.2	1,368.2	5,350.3	0.00	0.00	0.00	
16,700.0	90.00	179.70	11,810.9	-5,318.2	1,368.7	5,449.5	0.00	0.00	0.00	
16,800.0	90.00	179.70	11,810.9	-5,418.2	1,369.2	5,548.8	0.00	0.00	0.00	
16,900.0	90.00	179.70	11,810.9	-5,518.2	1,369.8	5,648.0	0.00	0.00	0.00	
17,000.0	90.00	179.70	11,810.9	-5,618.2	1,370.3	5,747.3	0.00	0.00	0.00	
17,100.0	90.00	179.70	11,810.9	-5,718.2	1,370.8	5,846.5	0.00	0.00	0.00	
17,200.0	90.00	179.70	11,810.9	-5,818.2	1,371.3	5,945.8	0.00	0.00	0.00	
17,300.0	90.00	179.70	11,810.9	-5,918.2	1,371.9	6,045.0	0.00	0.00	0.00	
17,400.0	90.00	179.70	11,810.9	-6,018.2	1,372.4	6,144.3	0.00	0.00	0.00	
17,500.0	90.00	179.70	11,810.9	-6,118.2	1,372.9	6,243.5	0.00	0.00	0.00	
17,600.0	90.00	179.70	11,810.9	-6,218.2	1,373.4	6,342.8	0.00	0.00	0.00	
17,700.0	90.00	179.70	11,810.9	-6,318.2	1,374.0	6,442.0	0.00	0.00	0.00	
17,800.0	90.00	179.70	11,811.0	-6,418.2	1,374.5	6,541.2	0.00	0.00	0.00	
17,900.0	90.00	179.70	11,811.0	-6,518.2	1,375.0	6,640.5	0.00	0.00	0.00	
18,000.0	90.00	179.70	11,811.0	-6,618.2	1,375.5	6,739.7	0.00	0.00	0.00	
18,100.0	90.00	179.70	11,811.0	-6,718.2	1,376.1	6,839.0	0.00	0.00	0.00	
18,200.0	90.00	179.70	11,811.0	-6,818.2	1,376.6	6,938.2	0.00	0.00	0.00	
18,300.0	90.00	179.70	11,811.0	-6,918.2	1,377.1	7,037.5	0.00	0.00	0.00	
18,400.0	90.00	179.70	11,811.0	-7,018.2	1,377.6	7,136.7	0.00	0.00	0.00	
18,500.0	90.00	179.70	11,811.0	-7,118.2	1,378.2	7,236.0	0.00	0.00	0.00	
18,600.0	90.00	179.70	11,811.0	-7,218.2	1,378.7	7,335.2	0.00	0.00	0.00	
18,700.0	90.00	179.70	11,811.0	-7,318.2	1,379.2	7,434.5	0.00	0.00	0.00	



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #762H
Company:	Midland	TVD Reference:	kb = 26' @ 3189.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3189.0usft
Site:	Banjo 32 Fed Com	North Reference:	Grid
Well:	#762H	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)
18,800.0	90.00	179.70	11,811.0	-7,418.2	1,379.7	7,533.7	0.00	0.00	0.00
18,900.0	90.00	179.70	11,811.0	-7,518.2	1,380.3	7,633.0	0.00	0.00	0.00
19,000.0	90.00	179.70	11,811.0	-7,618.2	1,380.8	7,732.2	0.00	0.00	0.00
19,100.0	90.00	179.70	11,811.0	-7,718.2	1,381.3	7,831.4	0.00	0.00	0.00
19,200.0	90.00	179.70	11,811.0	-7,818.2	1,381.8	7,930.7	0.00	0.00	0.00
19,300.0	90.00	179.70	11,811.0	-7,918.2	1,382.4	8,029.9	0.00	0.00	0.00
19,400.0	90.00	179.70	11,811.0	-8,018.2	1,382.9	8,129.2	0.00	0.00	0.00
19,500.0	90.00	179.70	11,811.0	-8,118.2	1,383.4	8,228.4	0.00	0.00	0.00
19,600.0	90.00	179.70	11,811.0	-8,218.2	1,384.0	8,327.7	0.00	0.00	0.00
19,700.0	90.00	179.70	11,811.0	-8,318.2	1,384.5	8,426.9	0.00	0.00	0.00
19,800.0	90.00	179.70	11,811.0	-8,418.2	1,385.0	8,526.2	0.00	0.00	0.00
19,900.0	90.00	179.70	11,811.0	-8,518.2	1,385.5	8,625.4	0.00	0.00	0.00
20,000.0	90.00	179.70	11,811.0	-8,618.2	1,386.1	8,724.7	0.00	0.00	0.00
20,100.0	90.00	179.70	11,811.0	-8,718.2	1,386.6	8,823.9	0.00	0.00	0.00
20,200.0	90.00	179.70	11,811.0	-8,818.2	1,387.1	8,923.1	0.00	0.00	0.00
20,300.0	90.00	179.70	11,811.0	-8,918.2	1,387.6	9,022.4	0.00	0.00	0.00
20,400.0	90.00	179.70	11,811.0	-9,018.2	1,388.2	9,121.6	0.00	0.00	0.00
20,500.0	90.00	179.70	11,811.0	-9,118.2	1,388.7	9,220.9	0.00	0.00	0.00
20,600.0	90.00	179.70	11,811.0	-9,218.2	1,389.2	9,320.1	0.00	0.00	0.00
20,700.0	90.00	179.70	11,811.0	-9,318.2	1,389.7	9,419.4	0.00	0.00	0.00
20,800.0	90.00	179.70	11,811.0	-9,418.2	1,390.3	9,518.6	0.00	0.00	0.00
20,900.0	90.00	179.70	11,811.0	-9,518.2	1,390.8	9,617.9	0.00	0.00	0.00
21,000.0	90.00	179.70	11,811.0	-9,618.2	1,391.3	9,717.1	0.00	0.00	0.00
21,100.0	90.00	179.70	11,811.0	-9,718.2	1,391.8	9,816.4	0.00	0.00	0.00
21,200.0	90.00	179.70	11,811.0	-9,818.2	1,392.4	9,915.6	0.00	0.00	0.00
21,300.0	90.00	179.70	11,811.0	-9,918.2	1,392.9	10,014.9	0.00	0.00	0.00
21,400.0	90.00	179.70	11,811.0	-10,018.2	1,393.4	10,114.1	0.00	0.00	0.00
21,500.0	90.00	179.70	11,811.0	-10,118.2	1,393.9	10,213.3	0.00	0.00	0.00
21,600.0	90.00	179.70	11,811.0	-10,218.2	1,394.5	10,312.6	0.00	0.00	0.00
21,700.0	90.00	179.70	11,811.0	-10,318.2	1,395.0	10,411.8	0.00	0.00	0.00
21,800.0	90.00	179.70	11,811.0	-10,418.2	1,395.5	10,511.1	0.00	0.00	0.00
21,900.0	90.00	179.70	11,811.0	-10,518.2	1,396.0	10,610.3	0.00	0.00	0.00
22,000.0	90.00	179.70	11,811.0	-10,618.2	1,396.6	10,709.6	0.00	0.00	0.00
22,100.0	90.00	179.70	11,811.0	-10,718.2	1,397.1	10,808.8	0.00	0.00	0.00
22,125.5	90.00	179.70	11,811.0	-10,743.6	1,397.2	10,834.1	0.00	0.00	0.00
22,200.0	90.00	180.15	11,811.0	-10,818.2	1,397.3	10,908.0	0.60	0.00	0.60
22,225.5	90.00	180.30	11,811.0	-10,843.7	1,397.2	10,933.3	0.60	0.00	0.60



Planning Report

Database:	PEDMB	Local Co-ordinate Reference:	Well #762H
Company:	Midland	TVD Reference:	kb = 26' @ 3189.0usft
Project:	Eddy County, NM (NAD 83 NME)	MD Reference:	kb = 26' @ 3189.0usft
Site:	Banjo 32 Fed Com	North Reference:	Grid
Well:	#762H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1 RT		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
KOP(Banjo 32 Fed Com - plan hits target center - Point	0.00	0.00	11,333.5	-494.1	1,341.4	392,715.00	674,356.00	32° 4' 44.131 N	103° 54' 13.890 W
FTP(Banjo 32 Fed Com - plan hits target center - Point	0.00	0.00	11,768.2	-774.2	1,344.3	392,435.00	674,359.00	32° 4' 41.360 N	103° 54' 13.868 W
PBHL(Banjo 32 Fed Cor - plan hits target center - Point	0.00	0.00	11,811.0	-10,843.7	1,397.2	382,367.00	674,412.00	32° 3' 1.725 N	103° 54' 13.718 W
Fed LTP(Banjo 32 Fed C - plan hits target center - Point	0.00	0.00	11,811.0	-10,743.6	1,397.2	382,467.00	674,412.00	32° 3' 2.714 N	103° 54' 13.713 W

Eddy County, NM (NAD 83 NME)

Banjo 32 Fed Com #762H

Plan #0.1 RT



To convert a Magnetic Direction to a Grid Direction, Add 6.09°
To convert a Magnetic Direction to a True Direction, Add 6.32° East
To convert a True Direction to a Grid Direction, Subtract 0.23°

PROJECT DETAILS: Eddy 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: #762H

3163.0
kb = 26' @ 3189.0usft
Northing 393209.00 Easting 673015.00 Latitude 32° 4' 49.072 N Longitude 103° 54' 29.454 W

SECTION DETAILS

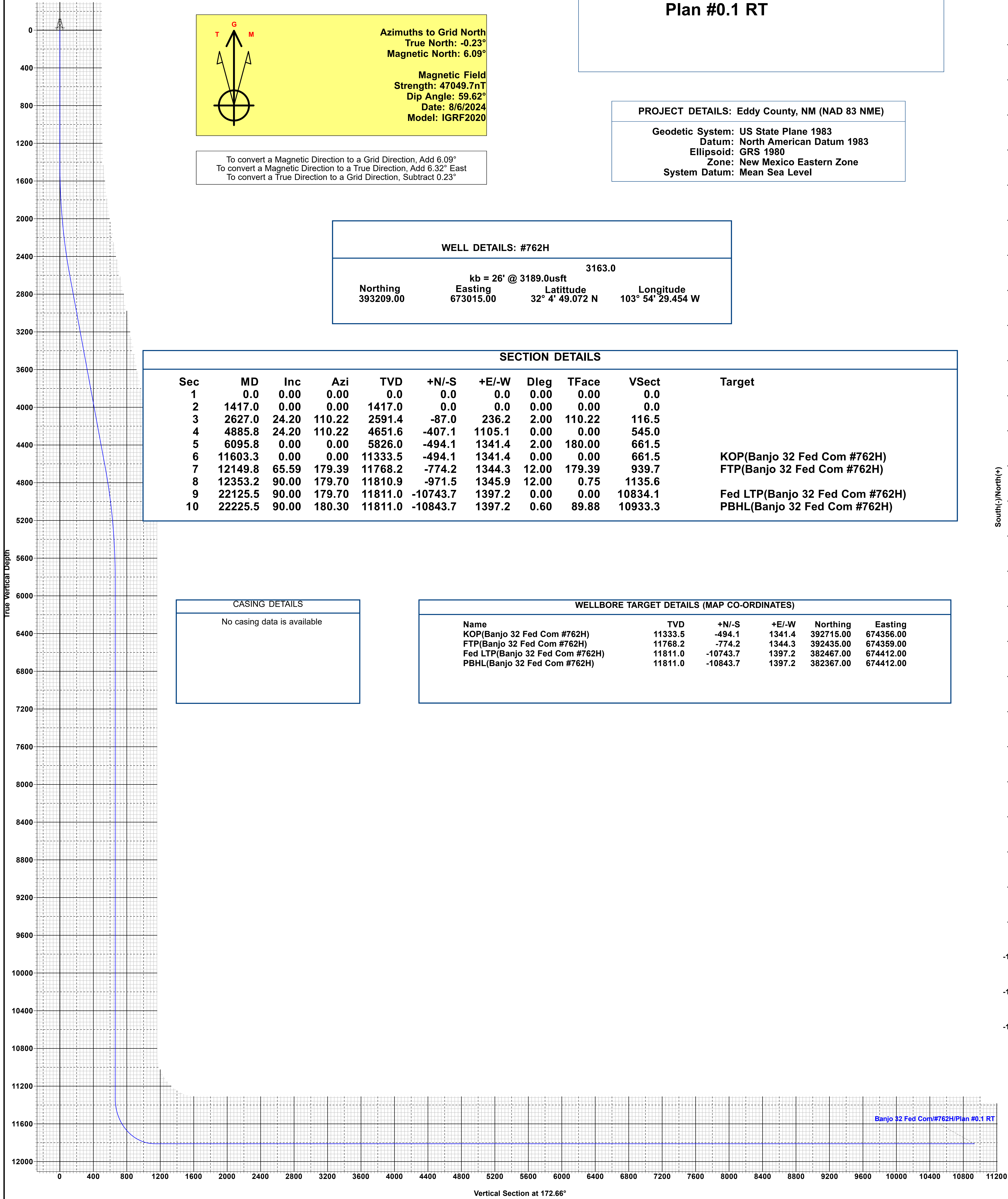
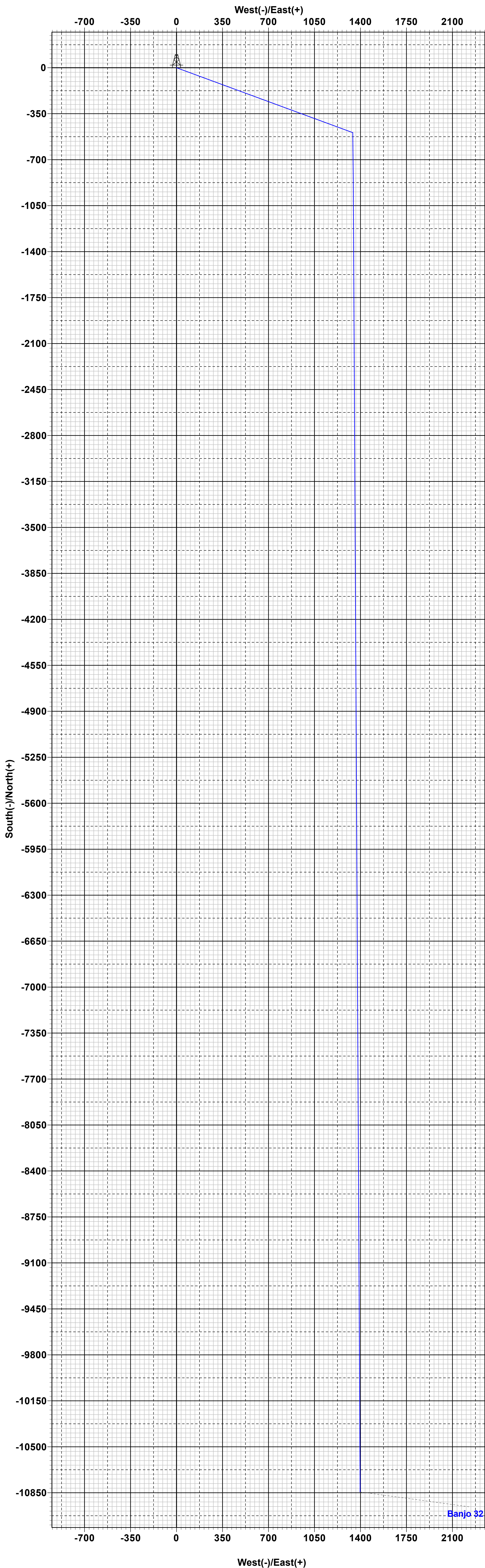
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1417.0	0.00	0.00	1417.0	0.0	0.0	0.00	0.00	0.0	
3	2627.0	24.20	110.22	2591.4	-87.0	236.2	2.00	110.22	116.5	
4	4885.8	24.20	110.22	4651.6	-407.1	1105.1	0.00	0.00	545.0	
5	6095.8	0.00	0.00	5826.0	-494.1	1341.4	2.00	180.00	661.5	
6	11603.3	0.00	0.00	11333.5	-494.1	1341.4	0.00	0.00	661.5	KOP(Banjo 32 Fed Com #762H)
7	12149.8	65.59	179.39	11768.2	-774.2	1344.3	12.00	179.99	939.7	FTP(Banjo 32 Fed Com #762H)
8	12353.2	90.00	179.70	11810.9	-971.5	1345.9	12.00	0.75	1135.6	
9	22125.5	90.00	179.70	11811.0	-10743.7	1397.2	0.00	0.00	10834.1	Fed LTP(Banjo 32 Fed Com #762H)
10	22225.5	90.00	180.30	11811.0	-10843.7	1397.2	0.60	89.88	10933.3	PBHL(Banjo 32 Fed Com #762H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(Banjo 32 Fed Com #762H)	11333.5	-494.1	1341.4	392715.00	674356.00
FTP(Banjo 32 Fed Com #762H)	11768.2	-774.2	1344.3	392435.00	674359.00
Fed LTP(Banjo 32 Fed Com #762H)	11811.0	-10743.7	1397.2	382467.00	674412.00
PBHL(Banjo 32 Fed Com #762H)	11811.0	-10843.7	1397.2	382367.00	674412.00





Jordan Kessler
Phone: (432) 488-6108
Email: jordan_kessler@eogresources.com

August 12, 2024

VIA CERTIFIED MAIL

TO: AFFECTED PARTIES

Re: Application of EOG Resources, Inc. for administrative approval of an unorthodox well location for its Banjo 5 Fed Com 762H well dedicated to the W/2 of Sections 5 and 8, Township 26 South, Range 30 East, NMPM, Eddy County, New Mexico.

Ladies and Gentlemen:

Enclosed is a copy of the above-referenced application which was filed with the New Mexico Oil Conservation Division on this date. Any objection to this application must be filed in writing within twenty days from this date with the applicant and the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87505. If no objection is received within this twenty-day period, this application may be approved administratively by the Division.

If you have any questions about this application, please contact the following:

James Barwis
EOG Resources, Inc.
(432) 425-1204
James_Barwis@eogresources.com

Very truly yours,

A handwritten signature in blue ink, appearing to read "JK", is written over a light blue rectangular background.

Jordan Kessler
Senior Regulatory Advisor



Jordan Kessler
Phone: (432) 488-6108
Email: jordan_kessler@eogresources.com

August 12, 2024

VIA ONLINE FILING

Acting OCD Director
Oil Conservation Division
New Mexico Department of Energy, Minerals, and Natural Resources
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Application of EOG Resources, Inc. for administrative approval of an unorthodox well location for its Banjo 5 Fed Com 762H well dedicated to the W/2 of Sections 5 and 8, Township 26 South, Range 30 East, NMPM, Eddy County, New Mexico.

Dear Acting Director,

EOG Resources, Inc. (OGRID No. 7377) seeks administrative approval of an unorthodox well location for its Banjo 5 Fed Com 762H well (API No. 30-015-48265) (formerly known as the Banjo 5 Fed Com 584H well). The spacing unit dedicated to the well is comprised of the W/2 of Sections 5 and 8, Township 26 South, Range 30 East, NMPM, Eddy County, New Mexico and is within the Purple Sage; Wolfcamp (Gas) Pool (13354). The horizontal spacing unit for the well is approximately 640-acres and does not include proximity tracts.

This well has not yet been drilled. It is proposed to be drilled as follows:

- The surface location is located 455 feet from the North line, 1202 feet from the West line (Unit M) of Section 32,
- The bottom hole location is located 230 feet from the South line, 2542 feet from the West line (Unit N) of Section 8,
- The first take point is located 330 feet from the North line, 2542 feet from the West line (Unit C) of Section 5,
- The last take point is located 330 feet from the South line, 2542 feet from the West line (Unit N) of Section 8.

The acreage is governed by the Purple Sage; Wolfcamp pool rules set forth in Division Order No. R-14262, which provides for 320-acre spacing units and 330-foot setbacks. Accordingly, the proposed completed interval is unorthodox because it will be closer than 330 feet to the eastern boundary. It encroaches on the spacing units in the E/2 of Sections 5 and 8.

Approval of the unorthodox location will allow EOG to use its preferred well spacing plan for horizontal wells, which will prevent waste.

Exhibit A is the C-102 sundry pending with the BLM that shows the location of the proposed well, including the proposed unorthodox, completed interval. The proposed completed interval encroaches on the spacing unit/tracts to the east. The third page of Exhibit A is the original APD for the well, showing the former name (Banjo 5 Fed Com 584H Well) and location of the well.

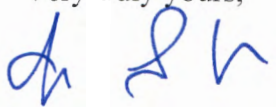
Exhibit B is a plat that shows the Banjo 5 Fed Com 762H well in relation to the adjoining spacing units/tracts to the east.

Exhibit C is a certification from the landman indicating that he has reviewed the tracts affected by this request. Exhibit C includes a list of the affected parties and **Exhibit D** provides proof that a copy of this application, including exhibits, was mailed to each affected party. This notice advises affected parties that any objection must be filed in writing with the Division within 20 days from the date the Division receives the application.

Exhibit E is a statement from a petroleum engineer providing justification for the requested non-standard location.

Thank you for your attention to this matter.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'J. Kessler', is placed over a light blue rectangular background.

Jordan Kessler
Senior Regulatory Advisor

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:	<input type="checkbox"/> Initial Submittal
			<input type="checkbox"/> Amended Report
		<input type="checkbox"/> As Drilled	
Property Name and Well Number BANJO 32 FED COM 762H			

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-48265	Pool Code 13354	Pool Name PURPLE SAGE; WOLFCAMP (GAS)
Property Code 330002	Property Name BANJO 32 FED COM	Well Number 762H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Ground Level Elevation 3163'

Surface Location

UL or Lot No. M	Section 32	Township 25 S	Range 30 E	Lot	Feet from the N/S 455 FSL	Feet from the E/W 1202 FWL	Latitude N 32.080299°	Longitude W 103.908181°	County EDDY
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Bottom Hole Location If Different From Surface

UL or Lot No. N	Section 8	Township 26 S	Range 30 E	Lot	Feet from the N/S 230 FSL	Feet from the E/W 2542 FWL	Latitude N 32.050478°	Longitude W 103.903811°	County EDDY
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Dedicated Acres 640	Infill or Defining Well INFILL	Defining Well API	Overlapping Spacing Unit (Y/N) YES	Consolidated Code
Order Numbers PENDING COM AGREEMENT			Well Setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No	

Kick Off Point (KOP)

UL or lot no. C	Section 5	Township 26 S	Range 30 E	Lot	Feet from the N/S 50 FNL	Feet from the E/W 2542 FWL	Latitude N 32.078926°	Longitude W 103.903857°	County EDDY
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First Take Point (FTP)

UL or lot no. C	Section 5	Township 26 S	Range 30 E	Lot	Feet from the N/S 330 FNL	Feet from the E/W 2542 FWL	Latitude N 32.078156°	Longitude W 103.903853°	County EDDY
---------------------------	---------------------	-------------------------	----------------------	-----	-------------------------------------	--------------------------------------	---------------------------------	-----------------------------------	-----------------------

Last Take Point (LTP)

UL or lot no. N	Section 8	Township 26 S	Range 30 E	Lot	Feet from the N/S 330 FSL	Feet from the E/W 2542 FWL	Latitude N 32.050753°	Longitude W 103.903811°	County EDDY
---------------------------	---------------------	-------------------------	----------------------	-----	-------------------------------------	--------------------------------------	---------------------------------	-----------------------------------	-----------------------

Unitized Area or Area of Uniform Interest	Spacing Unity Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical	Ground Floor Elevation 3188'
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OPERATOR CERTIFICATION

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.

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.

Signature _____ Date _____

Print Name _____

E-mail Address _____

SURVEYORS CERTIFICATION

Signature and Seal of Professional Surveyor _____ Date _____

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.

MITCHELL L. MCDONALD, N.M. P.L.S.Certificate Number
29821Date of Survey
FEBRUARY 8, 2024

Note: No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

Exhibit A

Released to Imaging: 7/26/2025 8:26:26 AM

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 Bravo 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) 476-3460 Fax: (505) 476-3462

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

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015- 48265	Pool Code 97814 13354	Pool Name CORRAL CANYON BONE SPRING, SOUTH WILDCAT G 015 S2620010, BONE SPRING
Property Code 330002	Property Name BANJO 32 FED COM	Well Number 584H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3163'

Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	32	25 S	30 E		455	SOUTH	1202	WEST	EDDY

Bottom Hole Location If Different From Surface

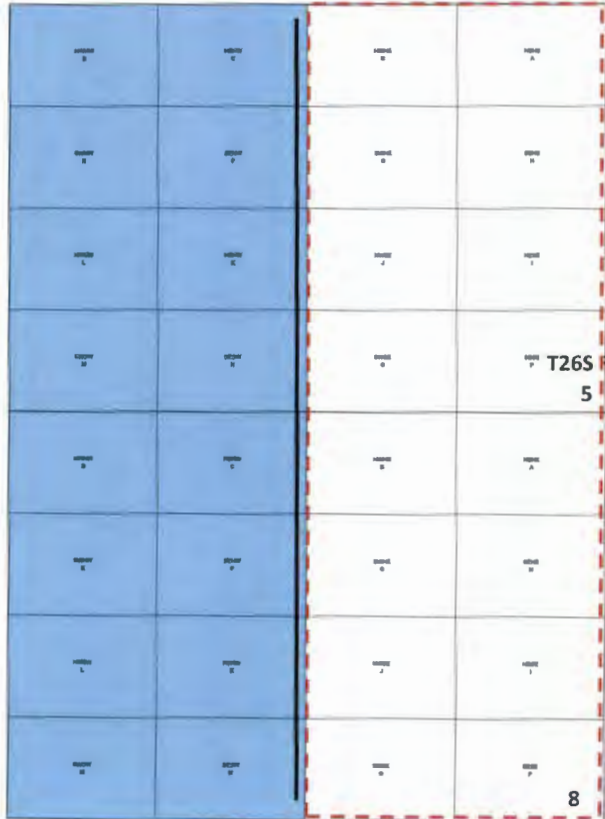
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	8	26 S	30 E		100	SOUTH	2200	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidated Code	Order No.
640.00			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Jayna K. Hobby</i> 7/6/20 Signature Date</p> <p>Jayna K. Hobby Print Name</p> <p>Jayna_Hobby@eogresources.com E-mail Address</p> <p>SURVEYORS CERTIFICATION</p> <p>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.</p> <p>NOVEMBER 16, 2019 Date of Survey</p> <p>Signature and Seal of <i>Casey Wayne Faircloth</i></p> <p>CASEY WAYNE FAIRCLOTH NEW MEXICO 21051 PROFESSIONAL SURVEYOR</p> <p>Job No.: EOG.190006 CASEY WAYNE FAIRCLOTH, N.M.P.L.S. Certificate Number 21051</p>
--	--

PM



Banjo 32 Fed Com 762H
W2 Sections 5 & 8, T26S, R30E, Eddy Co, NM



Banjo 5-32 Fed Com Spacing Unit



Operator/Working Interest Owner:
EOG Resources, Inc
Accelerate Resources Corporation
Mineral Owner:
Bureau of Land Management



Well:
Banjo 32 Fed Com 762H

Exhibit B



P.O. Box 2267, Midland, Texas 79702
Phone: (432) 686-3600 Fax: (432) 686-3773

July 25th, 2024

Certification of Ownership

I have reviewed the ownership of the oil and gas leasehold in the E2 of Sections 5 & 8, 26S-30E, Eddy County, New Mexico, for purposes of the unorthodox location for EOG's Banjo 32 Fed Com 762H well located in the E/2W/2 of Section 5 & E/2W/2 of Section 8 -26S-30E. As of the date of this letter, the affected parties are:

See Attached EXHIBIT "A"

Sincerely,

EOG Resources, Inc.

James Barwis
Landman

Exhibit C



P.O. Box 2267, Midland, Texas 79702
Phone: (432) 686-3600 Fax: (432) 686-3773

EXHIBIT "A"

Tract 1

	Name	Address	Interest Type
1	EOG Resources, Inc.	5509 Champions Dr, Midland, TX 79706	Working Interest
2	Accelerate Resources Corporation	7950 Legacy Drive Suite 500 Plano, TX 75024	Working Interest
3	BLM	PO BOX 10971 Midland, TX 79702	Royalty Interest

NSL Application for Banjo 5 Fed Com 588H
EOG Resources, Inc.
EXHIBIT A- Notice List

New Mexico Oil Conservation Division
Attn: Ms. Karen Sharp
1625 N. French Drive
Hobbs, New Mexico 88240
CMRRR

United States of the Interior
Bureau of Land Management
301 Dinosaur Trail
Santa Fe, NM 87508

EOG Resources, Inc.
P O BOX 4362
HOUSTON, TX 77210-4362

Accelerate Resources Corporation
7950 Legacy Drive
Suite 500
Plano, TX 75024

Copies of this application were mailed to the following individuals, companies, and organizations
on or before

Lisa Trascher
EOG Resources, Inc.

Exhibit D



July 30, 2024

Re: EOG Resources, Inc. NSL Application
Banjo 5 Fed Com #762H

To Whom it may concern:

A non-standard location is necessary to develop the Wolfcamp resource in an economic fashion. The non-standard location also reflects the as-drilled location of the well. Based on analog Wolfcamp wells along with geologic analysis, EOG believes placing the well at this location maintains optimal spacing to continue development of resources in the formation. Granting the exception will allow for more total production from the section and more efficient development of the asset therefore protecting correlative rights.

Sincerely

EOG Resources, Inc.

A handwritten signature in black ink, appearing to read "Dane Hooker", is written over a light blue horizontal line.

Dane Hooker
Reservoir Engineer

Exhibit E

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

PAD: BANJO/ STARK 32/5 FED COM – DEEP TARGETS
SHL: SEC32/5 T25S R30E, EDDY COUNTY

Well Name	API #	Surface		Intermediate		Production	
		MD	TVD	MD	TVD	MD	TVD
Banjo 32 Fed Com #761H (FKA 594H)	30-015-48267	1,320	1,320	11,632	11,600	21,987	11,811
Banjo 32 Fed Com #762H (FKA 584H)	30-015-48265	1,320	1,320	11,934	11,600	22,226	11,811
Banjo 32 Fed Com #771H (FKA 504H)	30-015-48264	1,320	1,320	11,696	11,600	22,205	11,972
Banjo 5 Fed Com #751H (FKA 586H)	30-025-47901	1,320	1,320	11,617	11,600	21,761	11,599
Banjo 5 Fed Com #752H (FKA 595H)	30-015-47904	1,320	1,320	11,923	11,600	22,006	11,599
Stark 32 Fed Com #753H (FKA Banjo 32 Fed Com 593H)	30-015-48266	1,320	1,320	11,846	11,600	21,979	11,599

SUNDRY WRITTEN FOR DEEPEST WELL IN THE LIST ABOVE, BUT
 APPROVAL APPLIES TO ALL. ALL PREVIOUS COAs STILL APPLY

COA

H2S	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Potash	<input checked="" type="radio"/> None	<input type="radio"/> Secretary	<input type="radio"/> R-111-P
Cave/Karst Potential	<input checked="" type="radio"/> Low	<input type="radio"/> Medium	<input type="radio"/> High
Cave/Karst Potential	<input type="radio"/> Critical		
Variance	<input type="radio"/> None	<input checked="" type="radio"/> Flex Hose	<input type="radio"/> Other
Wellhead	<input type="radio"/> Conventional	<input checked="" type="radio"/> Multibowl	<input type="radio"/> Both
Wellhead Variance	<input type="radio"/> Diverter		
Other	<input type="checkbox"/> 4 String	<input type="checkbox"/> Capitan Reef	<input type="checkbox"/> WIPP
Other	<input checked="" type="checkbox"/> Fluid Filled	<input type="checkbox"/> Pilot Hole	<input type="checkbox"/> Open Annulus
Cementing	<input type="checkbox"/> Contingency Cement Squeeze	<input checked="" type="checkbox"/> EchoMeter	<input checked="" type="checkbox"/> Primary Cement Squeeze
Special Requirements	<input type="checkbox"/> Water Disposal	<input checked="" type="checkbox"/> COM	<input type="checkbox"/> Unit
Special Requirements	<input type="checkbox"/> Batch Sundry		
Special Requirements Variance	<input checked="" type="checkbox"/> Break Testing	<input checked="" type="checkbox"/> Offline Cementing	<input checked="" type="checkbox"/> Casing Clearance

A. CASING

Primary Casing Design:

1. The **9-5/8** inch surface casing shall be set at approximately **1,320** feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run

- to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The **7-5/8** inch intermediate casing shall be set at approximately **11,600 feet TVD**. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:

Option 1 (Single Stage):

- Cement to surface. If cement does not circulate see B.1.a, c-d above.

Option 2:

Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

- a. First stage: Operator will cement with intent to reach the top of the **Brushy Canyon**
- b. Second stage:
 - Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified.

Operator has proposed to pump down 7-5/8" X 9-5/8" annulus. Operator must top out cement after the bradenhead squeeze and verify cement to surface. Operator can also check TOC with Echo-meter. CBL must be run from TD of the 7-5/8" casing to surface if confidence is lacking on the quality of the bradenhead squeeze cement job. Submit results to BLM.

If cement does not tie-back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.

Bradenhead squeeze in the production interval is only as an edge case remediation measure and is NOT approved in this COA. If production cement job experiences losses and a bradenhead squeeze is needed for tie-back, BLM Engineering should be

notified prior to job with volumes and planned wellbore schematic. CBL will be needed when this occurs.

If cement does not reach surface, the next casing string must come to surface.

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

3. The **5-1/2** inch production casing shall be set at approximately **22,226** feet. The minimum required fill of cement behind the **5-1/2** inch production casing is:

Option 1 (Single Stage):

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

Alternate Casing Design:

1. The **10-3/4** inch surface casing shall be set at approximately **1,320** feet (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.
 - e. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - f. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - g. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - h. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. The **8-3/4** inch intermediate casing shall be set at approximately **11,600 feet TVD**. The minimum required fill of cement behind the **8-3/4** inch intermediate casing is:

Option 1 (Single Stage):

- Cement to surface. If cement does not circulate see B.1.a, c-d above.

Option 2:

Operator has proposed to cement in two stages by conventionally cementing the first stage and performing a bradenhead squeeze on the second stage, contingent upon no returns to surface.

- c. First stage: Operator will cement with intent to reach the top of the **Brushy Canyon**
- d. Second stage:
 - Operator will perform bradenhead squeeze and top-out. Cement to surface. If cement does not reach surface, the appropriate BLM office shall be notified.

Operator has proposed to pump down 10-3/4 X 8-3/4" annulus. Operator must top out cement after the bradenhead squeeze and verify cement to surface. Operator can also check TOC with Echo-meter. CBL must be run from TD of the 8-3/4" casing to surface if confidence is lacking on the quality of the bradenhead squeeze cement job. Submit results to BLM.

If cement does not tie-back into the previous casing shoe, a third stage remediation BH may be performed. The appropriate BLM office shall be notified.

Bradenhead squeeze in the production interval is only as an edge case remediation measure and is NOT approved in this COA. If production cement job experiences losses and a bradenhead squeeze is needed for tie-back, BLM Engineering should be notified prior to job with volumes and planned wellbore schematic. CBL will be needed when this occurs.

If cement does not reach surface, the next casing string must come to surface.

Operator must use a limited flush fluid volume of 1 bbl following backside cementing procedures.

Intermediate casing must be kept fluid filled to meet BLM minimum collapse requirement.

3. The 6 inch production casing shall be set at approximately **22,226** feet. The minimum required fill of cement behind the 6 inch production casing is:

Option 1 (Single Stage):

- Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.

Production casing must be kept fluid filled to meet BLM minimum collapse requirement.

NOTE ON PRODUCTION CASING FOR ALTERNATE DESIGN: OPERATOR HAS REQUESTED TO RUN 6" OR 5.5" OR A TAPERED STRING WITH BOTH. ALL THREE OPTIONS REVIEWED AND IS OK.

B. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 (70% Working Pressure) psi.**
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

Offline Cementing

Offline cementing approved for surface and intermediate intervals. Contact the BLM PETs prior to the commencement of any offline cementing procedure.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

Contact Eddy County Petroleum Engineering Inspection Staff:

Email or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220; BLM_NM_CFO_DrillingNotifications@BLM.GOV; (575) 361-2822

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

- a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
- b. When the operator proposes to set surface casing with Spudder Rig
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review.

These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the

cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

- iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.)

created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

KPI 8/30/2024

**Banjo 32 Fed Com 762H (FKA 584H) API #: 30-015-48265 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 - Intermediate Bradenhead Cement
- EOG BLM Variance 3a_b - BOP Break-test and Offline Intermediate Cement



Intermediate Bradenhead Cement:

EOG requests variance from minimum standards 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 and the second stage performed as 1000 sack bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary, a top out consisting of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top of cement will be verified by Echo-meter.

EOG will include the Echo-meter verified fluid top and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

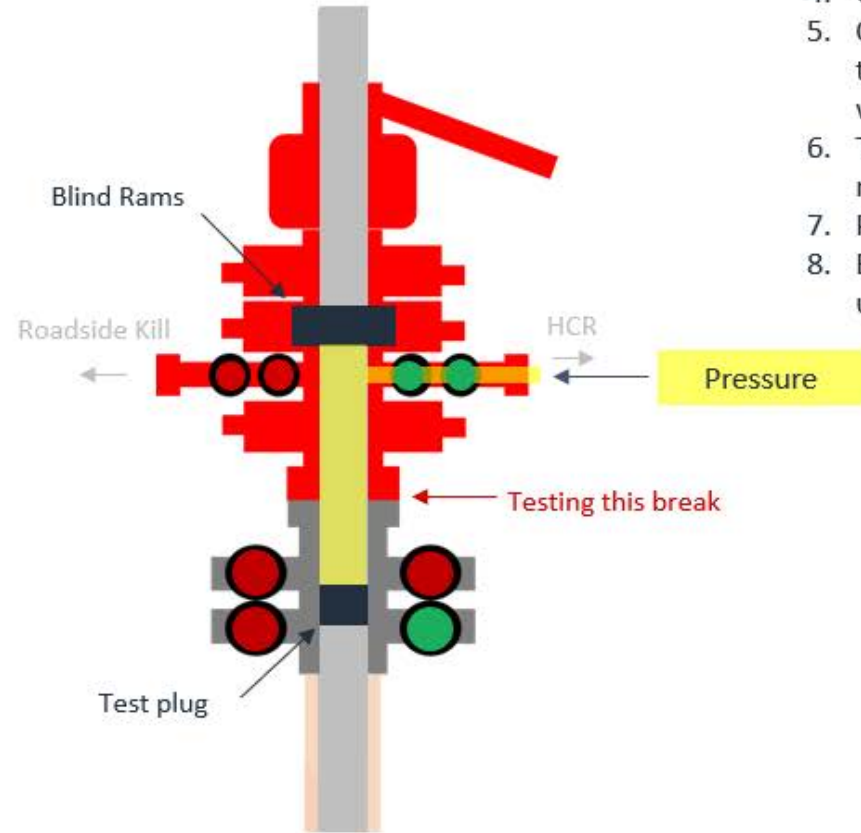
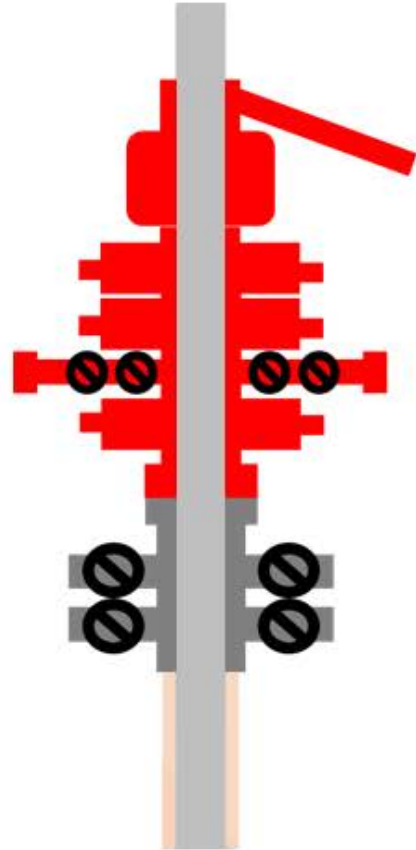
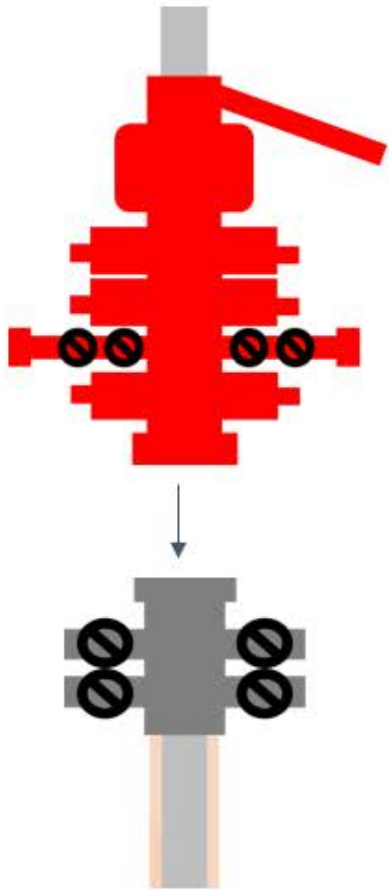
EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

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

The diagram illustrates the process of well intervention in three stages:

- Initial State:** A red wellhead assembly is shown above a grey wellbore. A downward arrow indicates the next step.
- Wellbore Insertion:** A grey wellbore is inserted into the wellhead. The wellhead assembly is shown in red, and the wellbore is shown in grey.
- Fluid Pumping and Testing:** A yellow fluid is being pumped down the wellbore. The wellhead assembly is shown in red, and the wellbore is shown in grey. Labels include:
 - Upper Pipe Rams
 - Roadside Kill
 - HCR
 - Testing this break
 - Test plug

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



Offline Intermediate Cementing Procedure

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Cement Program

1. No changes to the cement program will take place for offline cementing.

Summarized Operational Procedure for Intermediate Casing

1. Run casing as per normal operations. While running casing, conduct negative pressure test and confirm integrity of the float equipment back pressure valves.
 - a. Float equipment is equipped with two back pressure valves rated to a minimum of 5,000 psi.
2. Land production casing on mandrel hanger through BOP.
 - a. If casing is unable to be landed with a mandrel hanger, then the **casing will be cemented online**.
3. Break circulation and confirm no restrictions.
 - a. Ensure no blockage of float equipment and appropriate annular returns.
 - b. Perform flow check to confirm well is static.
4. Set pack-off
 - a. If utilizing a fluted/ported mandrel hanger, ensure well is static on the annulus and inside the casing by filling the pipe with kill weight fluid, remove landing joint, and set annular packoff through BOP. Pressure test to 5,000 psi for 10 min.
 - b. If utilizing a solid mandrel hanger, ensure well is static on the annulus and inside the casing by filling the pipe with kill weight fluid. Pressure test seals to 5,000 psi for 10 min. Remove landing joint through BOP.
5. After confirmation of both annular barriers and the two casing barriers, install TA plug and pressure test to 5,000 psi for 10 min. Notify the BLM with intent to proceed with nipple down and offline cementing.
 - a. Minimum 4 hrs notice.
6. With the well secured and BLM notified, nipple down BOP and secure on hydraulic carrier or cradle.
 - a. **Note, if any of the barriers fail to test, the BOP stack will not be nipped down until after the cement job has concluded and both lead and tail slurry have reached 500 psi.**
7. Skid/Walk rig off current well.
8. Confirm well is static before removing TA Plug.
 - a. Cementing operations will not proceed until well is under control. (If well is not static, notify BLM and proceed to kill)
 - b. Casing outlet valves will provide access to both the casing ID and annulus. Rig or third party pump truck will kill well prior to cementing.
 - c. Well control plan can be seen in Section B, Well Control Procedures.
 - d. If need be, rig can be moved back over well and BOP nipped back up for any further remediation.



Offline Intermediate Cementing Procedure

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- e. Diagram for rig positioning relative to offline cementing can be seen in Figure 4.
9. Rig up return lines to take returns from wellhead to pits and rig choke.
 - a. Test all connections and lines from wellhead to choke manifold to 5,000 psi high for 10 min.
 - b. If either test fails, perform corrections and retest before proceeding.
 - c. Return line schematics can be seen in Figure 3.
10. Remove TA Plug from the casing.
11. Install offline cement tool.
 - a. Current offline cement tool schematics can be seen in Figure 1 (Cameron) and Figure 2 (Cactus).
12. Rig up cement head and cementing lines.
 - a. Pressure test cement lines against cement head to 80% of casing burst for 10 min.
13. Break circulation on well to confirm no restrictions.
 - a. If gas is present on circulation, well will be shut in and returns rerouted through gas buster.
 - b. Max anticipated time before circulating with cement truck is 6 hrs.
14. Pump cement job as per plan.
 - a. At plug bump, test casing to 0.22 psi/ft or 1500 psi, whichever is greater.
 - b. If plug does not bump on calculated, shut down and wait 8 hrs or 500 psi compressive strength, whichever is greater before testing casing.
15. Confirm well is static and floats are holding after cement job.
 - a. With floats holding and backside static:
 - i. Remove cement head.
 - b. If floats are leaking:
 - i. Shut-in well and WOC (Wait on Cement) until tail slurry reaches 500 psi compressive strength and the casing is static prior to removing cement head.
 - c. If there is flow on the backside:
 - i. Shut in well and WOC until tail slurry reaches 500 psi compressive strength. Ensure that the casing is static prior to removing cement head.
16. Remove offline cement tool.
17. Install night cap with pressure gauge for monitoring.
18. Test night cap to 5,000 psi for 10 min.



Offline Intermediate Cementing Procedure

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Example Well Control Plan Content

A. Well Control Component Table

The table below, which covers the cementing of the **5M MASP (Maximum Allowable Surface Pressure) portion of the well**, outlines the well control component rating in use. This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the BOP nipped up to the wellhead.

Intermediate hole section, 5M requirement

Component	RWP
Pack-off	10M
Casing Wellhead Valves	10M
Annular Wellhead Valves	5M
TA Plug	10M
Float Valves	5M
2" 1502 Lo-Torque Valves	15M

B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while circulating and cementing through the Offline Cement Adapter.

General Procedure While Circulating

1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.



Offline Intermediate Cementing Procedure

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6. Read and record the following:
 - a. SICP (Shut in Casing Pressure) and AP (Annular Pressure)
 - b. Pit gain
 - c. Time
 - d. Regroup and identify forward plan to continue circulating out kick via rig choke and mud/gas separator. Circulate and adjust mud density as needed to control well.

General Procedure While Cementing

1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut-in.
5. Notify tool pusher/company representative.
6. Open rig choke and begin pumping again taking returns through choke manifold and mud/gas separator.
7. Continue to place cement until plug bumps.
8. At plug bump close rig choke and cement head.
9. Read and record the following
 - a. SICP and AP
 - b. Pit gain
 - c. Time
 - d. Shut-in annulus valves on wellhead

General Procedure After Cementing

1. Sound alarm (alert crew).
2. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
3. Confirm shut-in.
4. Notify tool pusher/company representative.
5. Read and record the following:
 - a. SICP and AP
 - b. Pit gain
 - c. Time
 - d. Shut-in annulus valves on wellhead



Offline Intermediate Cementing Procedure

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Figure 1: Cameron TA Plug and Offline Adapter Schematic





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Figure 2: Cactus TA Plug and Offline Adapter Schematic





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Figure 3: Back Yard Rig Up





Offline Intermediate Cementing Procedure

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Figure 4: Rig Placement Diagram





EOG Batch Casing

Pad Name: Banjo 32-5 Stark 32-5 Fed Com DEEP

SHL: Section 32, Township 25-S, Range 30-E, Eddy County, NM

Well Name	API #	Surface		Intermediate		Production	
		MD	TVD	MD	TVD	MD	TVD
Banjo 32 Fed Com #761H (FKA 594H)	30-015-48267	1,320	1,320	11,632	11,600	21,987	11,811
Banjo 32 Fed Com #762H (FKA 584H)	30-015-48265	1,320	1,320	11,934	11,600	22,226	11,811
Banjo 32 Fed Com #771H (FKA 504H)	30-015-48264	1,320	1,320	11,696	11,600	22,205	11,972
Banjo 5 Fed Com #751H (FKA 586H)	30-025-47901	1,320	1,320	11,617	11,600	21,761	11,599
Banjo 5 Fed Com #752H (FKA 595H)	30-015-47904	1,320	1,320	11,923	11,600	22,006	11,599
Stark 32 Fed Com #753H (FKA Banjo 32 Fed Com 593H)	30-015-48266	1,320	1,320	11,846	11,600	21,979	11,599



EOG Batch Casing

Variances

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

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



EOG Batch Casing

GEOLOGIC NAME OF SURFACE FORMATION:

Permian

ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1,242'
Tamarisk Anhydrite	1,292'
Top of Salt	1,549'
Base of Salt	3,436'
Lamar	3,634'
Bell Canyon	3,661'
Cherry Canyon	577'
Brushy Canyon	5,826'
Bone Spring Lime	7,481'
Leonard (Avalon) Shale	7,547'
1st Bone Spring Sand	8,412'
2nd Bone Spring Shale	8,685'
2nd Bone Spring Sand	9,134'
3rd Bone Spring Carb	9,615'
3rd Bone Spring Sand	10,326'
Wolfcamp	10,738'

ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Upper Permian Sands	0- 400'	Fresh Water
Bell Canyon	3,661'	Oil
Cherry Canyon	577'	Oil
Brushy Canyon	5,826'	Oil
Leonard (Avalon) Shale	7,547'	Oil
1st Bone Spring Sand	8,412'	Oil
2nd Bone Spring Shale	8,685'	Oil
2nd Bone Spring Sand	9,134'	Oil

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

Sante Fe Main Office
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General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Action 390647

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 390647
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
ward.rikala	Work was performed without OCD approval.	7/26/2025