

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. JAVELINA 30 FED 602H (702H)
2. Name of Operator EOG RESOURCES, INC. Contact: STAN WAGNER E-Mail: stan_wagner@eogresources.com		9. API Well No. 30-025-42830
3a. Address ATTN: STAN WAGNER P.O. BOX 2267 MIDLAND, TX 79702	3b. Phone No. (include area code) Ph: 432-686-3689	10. Field and Pool or Exploratory Area BOBCAT DRAW; UPPR WC
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 30 T25S R34E Mer NMP NWSW 2191FSL 599FWL		11. County or Parish, State LEA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 recompleat 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 performed 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 recompleat 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 determined that the site is ready for final inspection.

EOG Resources requests an amendment to our approved APD for this well to reflect revised SHL, BHL, TVD, casing, and well name/number.

Change SHL to: 2191' FSL & 599' FWL NWSW-30-25S-34E
Change BHL to: 100' FNL & 984' FWL NWNW-19-25S-34E
Change TVD to: 12530' Upper Wolfcamp
Change casing design as attached.

Change well name/number to: Javelina 30 Fed 702H

Carlsbad Field Office
OCD Hobbs

Engineering approved

Dylan Rossmann
DAR

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

OK to approve Bob Ballou (owner) on EA. Per BLM on 10-25-2018

14. I hereby certify that the foregoing is true and correct. Electronic Submission #443815 verified by the BLM Well Information System For EOG RESOURCES, INC., sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 11/13/2018 ()	
Name (Printed/Typed) STAN WAGNER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 11/13/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>[Signature]</i>	Title <i>FE-M-C&V</i>	Date <i>02/06/19</i>
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 <i>CRO</i>

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)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Kv

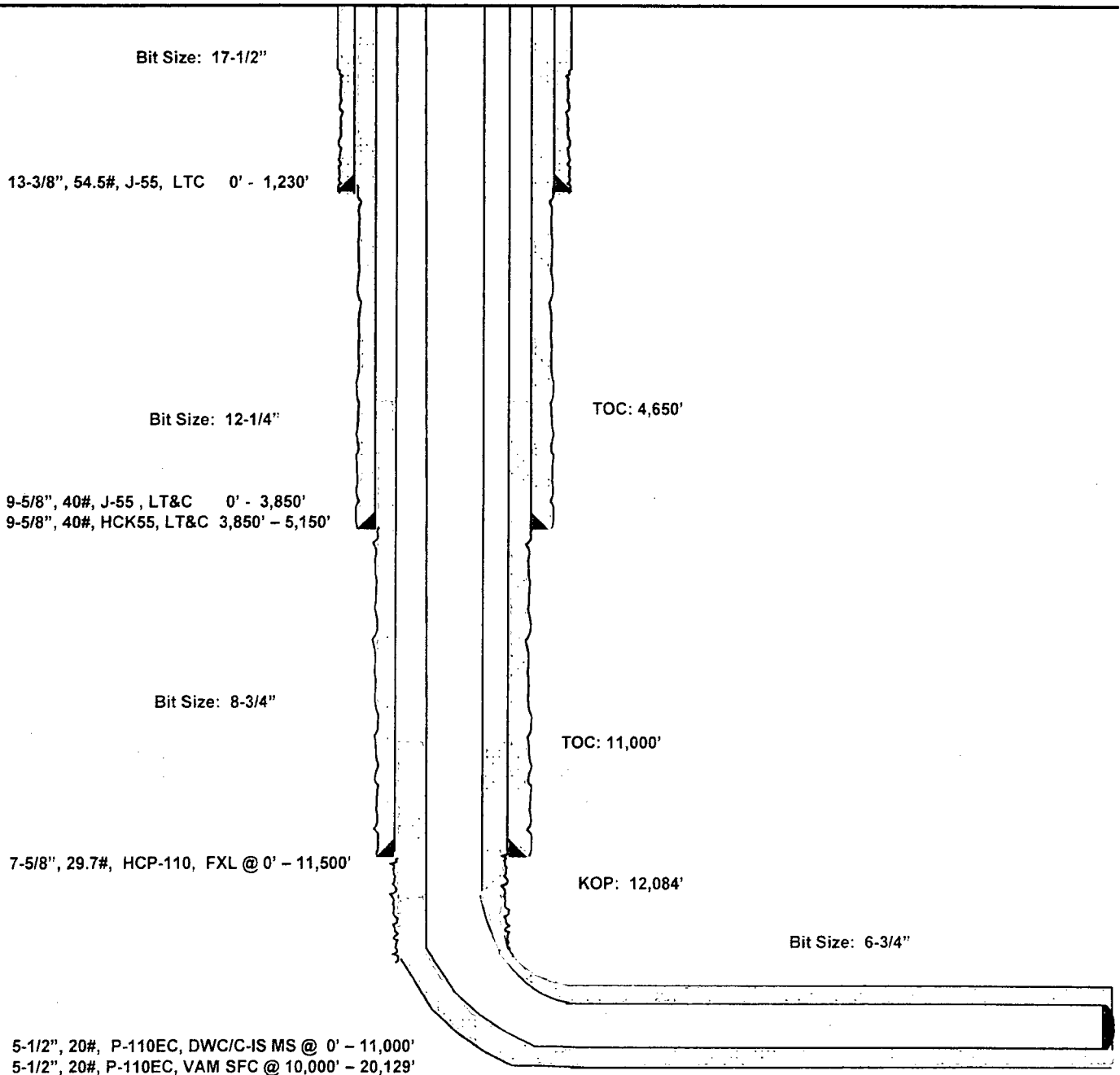
FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☒ AMENDED REPORT

Javelina 30 Fed #702H

2191' FSL
599' FWL
Section 30
T-25-S, R-34-E

Lea County, New Mexico
Proposed Wellbore
Revised 11/12/18
API: 30-025-42830

KB: 3,342'
GL: 3,317'



Lateral: 20,129' MD, 12,530' TVD
Upper Most Perf:
2540' FNL & 989' FWL Sec. 30
Lower Most Perf:
100' FNL & 984' FWL Sec. 19
BH Location: 100' FNL & 984' FWL
Section 19
T-25-S, R-34-E

Revised Permit Information 11/12/18:

Well Name: Javelina 30 Fed No. 702H

Location:

SL: 2191' FSL & 599' FWL, Section 30, T-25-S, R-34-E, Lea Co., N.M.

BHL: 100' FNL & 984' FWL, Section 19, T-25-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 1,230'	13.375"	54.5#	J55	LTC	1.125	1.25	1.60
12.25"	0 – 3,850'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	3,850' – 5,150'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0 – 11,500'	7.625"	29.7#	HCP-110	FXL	1.125	1.25	1.60
6.75"	0' – 11,000'	5.5"	20#	P-110EC	DWC/C-IS MS	1.125	1.25	1.60
6.75"	11,000' - 20,129'	5.5"	20#	P-110EC	VAM SFC	1.125	1.25	1.60

Variance is requested to wave the centralizer requirements for the 7-5/8" FJ 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 wave any centralizer requirements for the 5-1/2" FJ 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.

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Mix Water Gal/sk	Slurry Description
13-3/8" 1,230'	600	13.5	1.73	9.13	Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	200	14.8	1.34	6.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
9-5/8" 5,150'	1780	12.7	2.20	11.64	Lead: Class C + 0.15% C-20 + 11.63 pps Salt + 0.1% C-51 + 0.75% C-41P (TOC @ Surface)
	200	16.0	1.12	4.75	Tail: Class C + 0.13% C-20
7-5/8" 11,500'	340	11.5	2.72	15.70	Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ 4,650')
	210	16.0	1.12	4.74	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800
5-1/2" 20,129'	950	14.1	1.26	5.80	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 11,000')

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 1,230'	Fresh - Gel	8.6-8.8	28-34	N/c
1,230' – 5,150'	Brine	10.0-10.2	28-34	N/c
5,150' – 11,500'	Oil Base	8.7-9.4	58-68	N/c - 6
11,500' – 20,129' Lateral	Oil Base	10.0-14.0	58-68	3 - 6



Lea County, NM (NAD 83 NME)

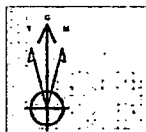
Javelina 30 Fed

#702H

Plan #0.1

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

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



Adjustments to Grid North
True North: -0.43°
Magnetic North: 8.53°
Magnetic Field
Strength: 47728.5 nT
Dip Angle: 68.84°
Date: 18/12/2018
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.33°
To convert a Magnetic Direction to a True Direction, Add 6.77° East
To convert a True Direction to a Grid Direction, Subtract 0.43°

WELL DETAILS #702H

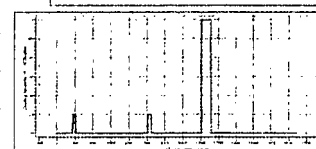
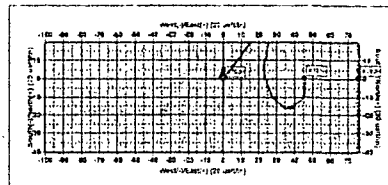
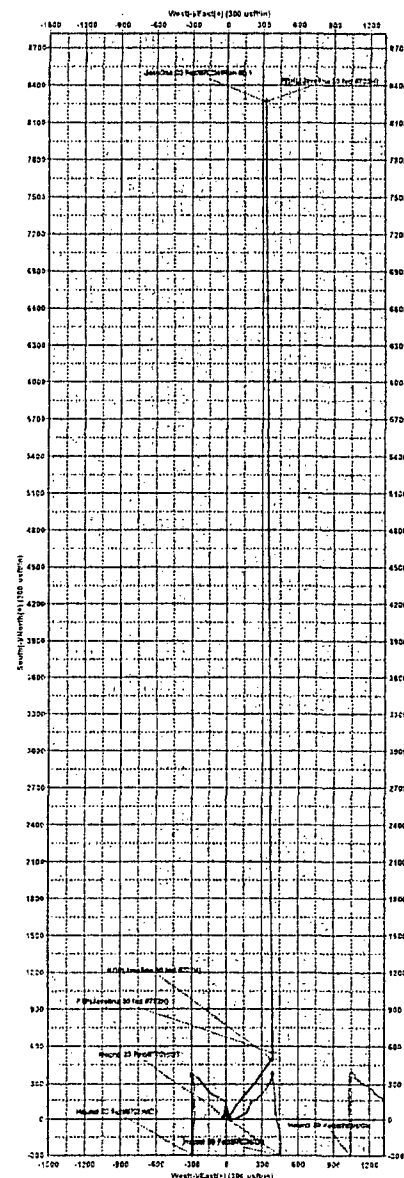
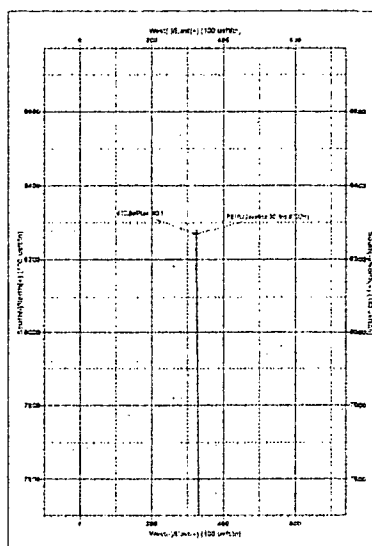
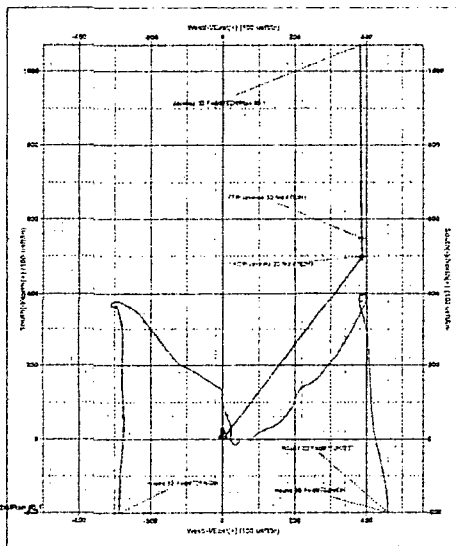
3317.0
R8 + 75 @ 3317.0
Easting: 794553.00
Northing: 401178.00
Longitude: 103° 30' 56.132 W
State

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1588.3	5.77	37.85	1587.8	11.4	8.9	2.00	37.85	11.8	
4	7577.0	5.77	37.85	7546.2	486.6	378.1	0.00	0.00	501.0	
5	7865.3	0.00	0.00	7834.0	498.0	387.0	2.00	180.00	512.8	
6	12083.8	0.00	0.00	12052.5	498.0	387.0	0.00	0.00	512.8	KOP(Javelina 30 fed #702H)
7	12833.8	90.00	359.54	12530.0	975.4	383.2	12.00	359.54	989.7	
8	20128.6	90.00	359.54	12530.0	8270.0	325.0	0.00	0.00	8276.4	PBHL(Javelina 30 fed #702H)

WELLBORE TARGET DETAILS (MAP COORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
KOP(Javelina 30 fed #702H)	12052.5	498.0	387.0	401177.00	794842.00	Point
PBHL(Javelina 30 fed #702H)	12530.0	8270.0	325.0	401177.00	794842.00	Point



Vertical Section at 17.81° (120 m/ft)

Vertical Section at 2.25° (120 m/ft)



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Javelina 30 Fed

#702H

OH

Plan: Plan #0.1

Standard Planning Report

12 November, 2018



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #702H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3342.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3342.0usft
Site:	Javelina 30 Fed	North Reference:	Grid
Well:	#702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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

Site	Javelina 30 Fed		
Site Position:	Map	Northings:	401,179.00 usft
From:		Easting:	794,522.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 1.013 N
		Longitude:	103° 30' 56.515 W
		Grid Convergence:	0.43 °

Well	#702H		
Well Position	+N-S	0.0 usft	Northings:
	+E-W	33.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level:

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination
	IGRF2015	11/12/2016	6.77
			Dip Angle
			59.94
			Field Strength
			47.726.88134875

Design	Plan #0.1		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			2.25

Plan Survey Tool Program	Date 11/12/2018		
Depth From	Depth To	Survey (Wellbore)	Tool Name
(usft)	(usft)		
1	0.0	20,128.6 Plan #0.1 (OH)	MWD
			OWSG MWD - Standard

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,588.3	5.77	37.65	1,587.8	11.4	8.9	2.00	2.00	0.00	37.85	
7,577.0	5.77	37.85	7,546.2	486.6	378.1	0.00	0.00	0.00	0.00	
7,865.3	0.00	0.00	7,834.0	498.0	387.0	2.00	-2.00	0.00	180.00	
12,083.8	0.00	0.00	12,052.5	498.0	387.0	0.00	0.00	0.00	0.00	KOP(Javelina 30 fed ;
12,833.8	90.00	359.54	12,530.0	975.4	383.2	12.00	12.00	-0.06	359.54	
20,128.6	90.00	359.54	12,530.0	8,270.0	325.0	0.00	0.00	0.00	0.00	PBHL(Javelina 30 fed

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #702H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3342.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3342.0usft
Site:	Javelina 30 Fed	North Reference:	Grid
Well:	#702H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

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
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,588.3	5.77	37.85	1,587.8	11.4	8.9	11.8	2.00	2.00	0.00
7,577.0	5.77	37.85	7,546.2	486.6	378.1	501.0	0.00	0.00	0.00
7,865.3	0.00	0.00	7,834.0	498.0	387.0	512.8	2.00	-2.00	0.00
12,083.8	0.00	0.00	12,052.5	498.0	387.0	512.8	0.00	0.00	0.00
12,833.8	90.00	359.54	12,530.0	975.4	383.2	989.7	12.00	12.00	0.00
20,128.6	90.00	359.54	12,530.0	8,270.0	325.0	8,276.4	0.00	0.00	0.00

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Javelina 30 fed #70) - hit/miss target - Shape - Point	0.00	0.00	12,052.5	498.0	387.0	401,677.00	794,942.00	32° 6' 5.909 N	103° 30' 51.589 W
FTP(Javelina 30 fed #70) - plan misses target center by 164.1usft at 12498.1usft MD (12416.7 TVD, 666.7 N, 385.7 E) - Point	0.00	0.00	12,530.0	548.0	387.0	401,727.00	794,942.00	32° 6' 6.404 N	103° 30' 51.584 W
PBHL(Javelina 30 fed #70) - plan hits target center - Point	0.00	0.01	12,530.0	8,270.0	325.0	409,449.00	794,880.00	32° 7' 22.819 N	103° 30' 51.623 W

PECOS DISTRICT DRILLING OPERATIONS CONDITIONS OF APPROVAL

OPERATOR'S NAME:	EOG RESOURCES INCORPORATED
LEASE NO.:	NMNM108504
WELL NAME & NO.:	JAVELINA 30 FED 702H
SURFACE HOLE FOOTAGE:	2191'/S & 599'/W
BOTTOM HOLE FOOTAGE	100'/N & 984'/W
LOCATION:	T-25S, R-34E, S30. NMPM
COUNTY:	LEA, NM

Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☒ Low	☐ Medium	☐ High
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	
Other	☐ 4 String Area	☐ Capitan Reef	☐ WIPP

A. CASING

1. The 13-3/8 inch surface casing shall be set at approximately 1230 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) 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 minimum required fill of cement behind the 9-5/8 inch intermediate casing is:
 - a. Cement to surface. If cement does not circulate see A.1.a, c-d above.

- b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst.
- 3. The minimum required fill of cement behind the **7-5/8** inch intermediate casing is:
 - a. Cement shall tie-back 200' into the previous casing. Operator shall provide method of verification.
- 4. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - a. Cement shall tie-back 200' into the previous casing. Operator shall provide method of verification.

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. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **5000 (5M) psi**.
- 3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the intermediate casing shoe shall be **10,000 (10M) psi**. **Variance approved to use a 5M annular. The annular must be tested to full working pressure (5000 psi).**

All other previous conditions of approval still apply.

DR 1/15/2019