Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

HOBBS OCD
FEB 07 2019
RECEIVED

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

5. Lease Serial No.
NMNM108504

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
JAVELINA 30 FED 601H (701H)

2. Name of Operator
EOG RESOURCES, INC.
Contact: STAN WAGNER
E-Mail: stan_wagner@eogresources.com

9. API Well No.
30-025-42829

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 566FWL

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 to Original A PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 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 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.

Carlsbad Field Office
OCD Hobbs

Change SHL to: 2191' FSL & 566' FWL NWSW-30-25S-34E
Change BHL to: 100' FNL & 330' FWL NWNW-19-25S-34E
Change TVD to: 12528' Upper Wolfcamp
Change casing design as attached.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Change well name/number to: Javelina 30 Fed 701H

Dylan Rossmango
Engineering approved

OK to Approve Bob Ballard
Covered on EA ... Same COAs Apply ... BLM ... 2019

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #443816 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 Cody A. Layton Title AFM-L&M Date 02/06/19

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 CFO

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 ****

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, 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, NM 87505

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

☒ **AMENDED REPORT**

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1]API Number	[2]Pool Code	[3]Pool Name
30-025-42829	98094	Bobcat Draw; Upper Wolfcamp

[4]Property Code	[5]Property Name	[6]Well Number
315294	JAVELINA 30 FED	#701H

[7]OGRID No.	[8]Operator Name	[9]Elevation
7377	EOG RESOURCES, INC.	3317'

[10]Surface Location

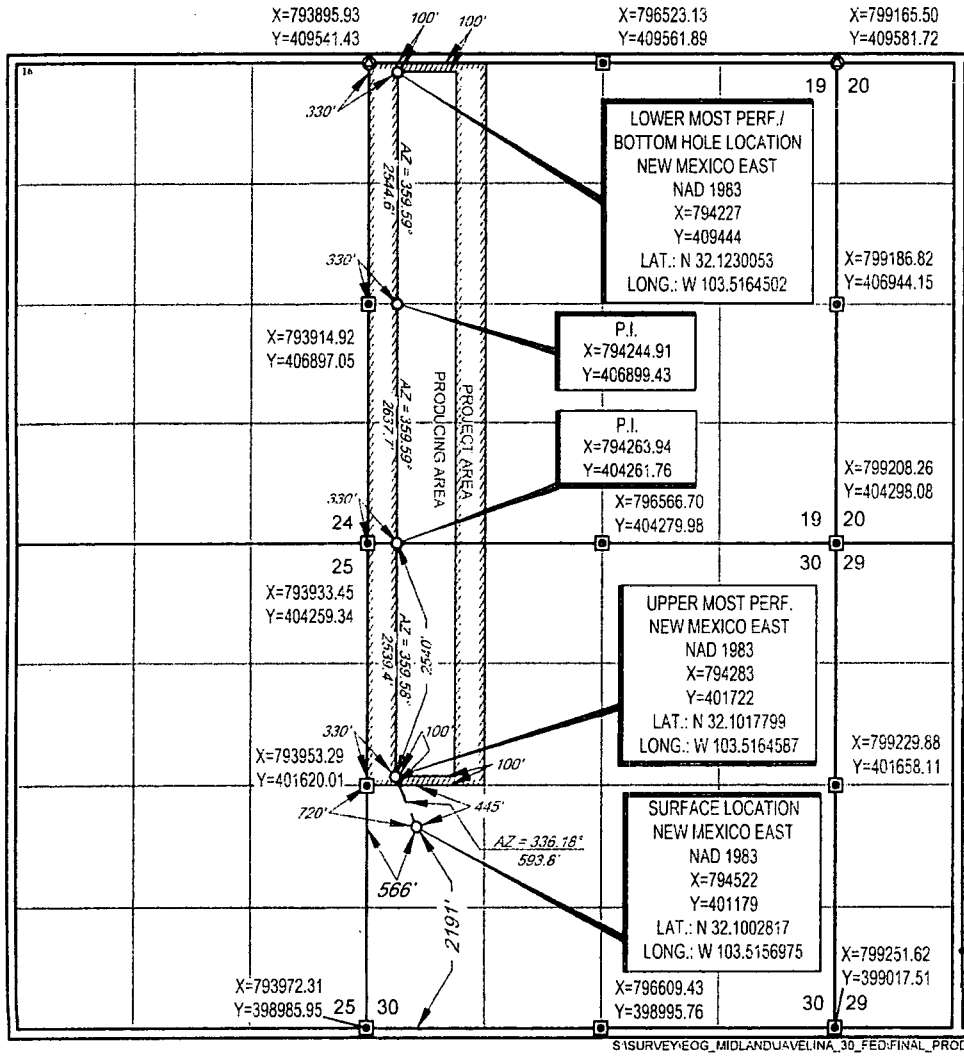
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	30	25-S	34-E	-	2191'	SOUTH	566'	WEST	LEA

[11]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
D	19	25-S	34-E	-	100'	NORTH	330'	WEST	LEA

[12]Dedicated Acres	[13]Joint or Infill	[14]Consolidation Code	[15]Order No.
240.00			

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.



[17]OPERATOR CERTIFICATION

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 a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stan Wagner 11/13/18
Signature Date

Stan Wagner
Printed Name

E-mail Address

[18]SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true to the best of my belief.

11/06/2018
Date of Survey
Signature and Seal of Professional Surveyor:

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Certificate Number

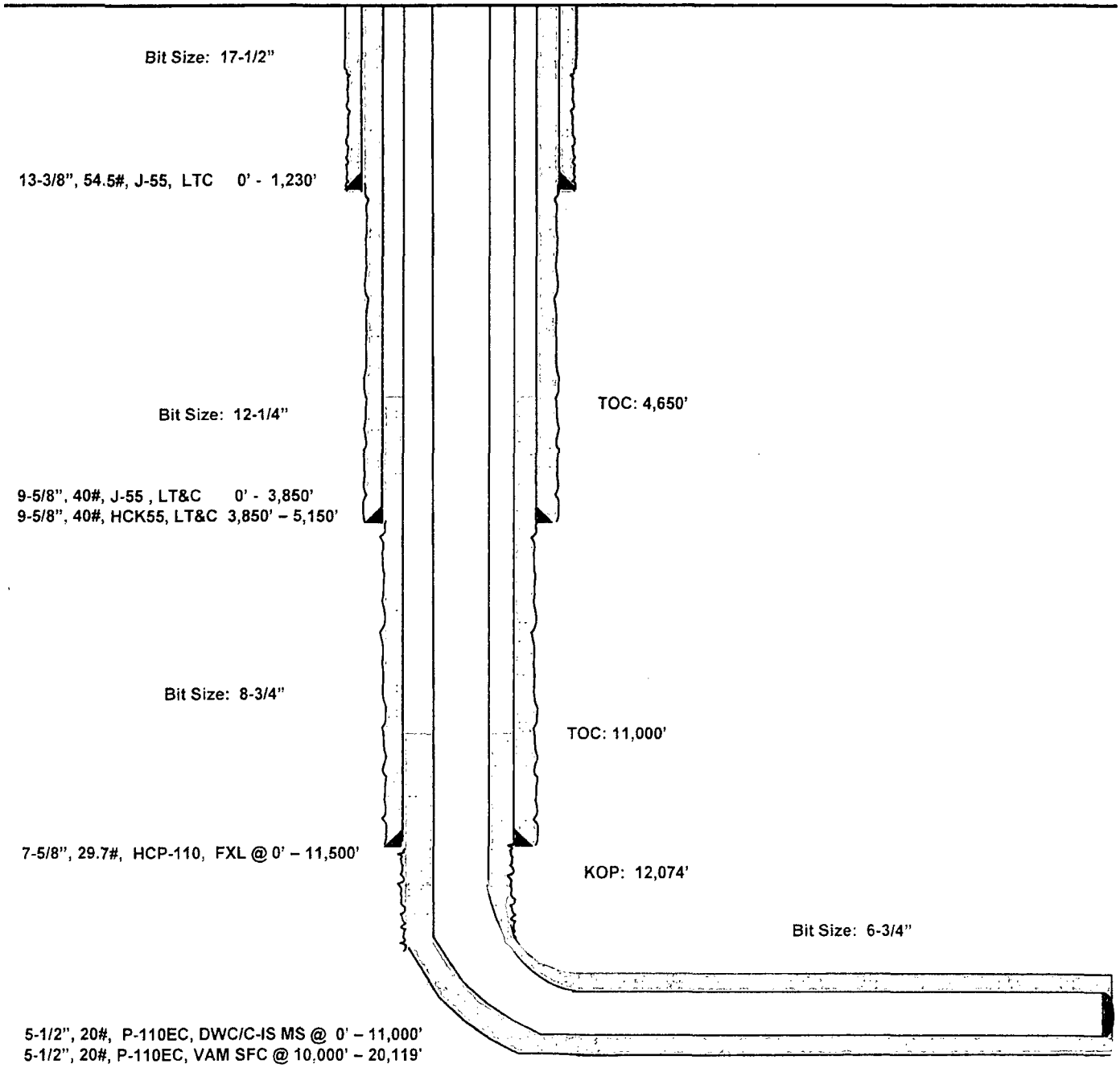
S:\SURVEY\EOG_MIDLAND\JAVELINA_30_FED\FINAL_PRODUCTS\LO_JAVELINA30FED_701H.DWG 11/9/2018 10:01:13 AM kanthony

Javelina 30 Fed #701H

Lea County, New Mexico
Proposed Wellbore
Revised 11/12/18
API: 30-025-42829

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

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



Lateral: 20,119' MD, 12,528' TVD
Upper Most Perf:
2539' FNL & 330' FWL Sec. 30
Lower Most Perf:
100' FNL & 330' FWL Sec. 19
BH Location: 100' FNL & 330' FWL
Section 19
T-25-S, R-34-E

Revised Permit Information 11/12/18:

Well Name: Javelina 30 Fed No. 701H

Location:

SL: 2191' FSL & 566' FWL, Section 30, T-25-S, R-34-E, Lea Co., N.M.
BHL: 100' FNL & 330' 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'-20,119'	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" 20,119'	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' – 20,119' Lateral	Oil Base	10.0-14.0	58-68	3 - 6

eog resources

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

Lea County, NM (NAD 83 NME)

Javelina 30 Fed #701H

Plan #0.1

Azimuths to Grid North
True North: -0.43°
Magnetic North: 6.33°

Magnetic Field
Strength: 47729.5nT
Dip Angle: 59.94°
Date: 11/12/2018
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 #701H

3317.0
KB + 34 @ 3351.0usft

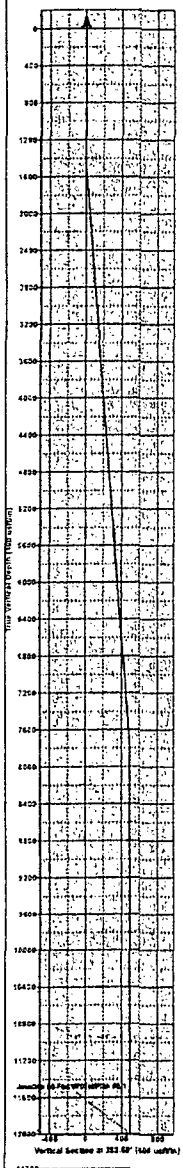
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	401178.00	794573.00	32° 6' 1.613 N	103° 30' 58.515 W	

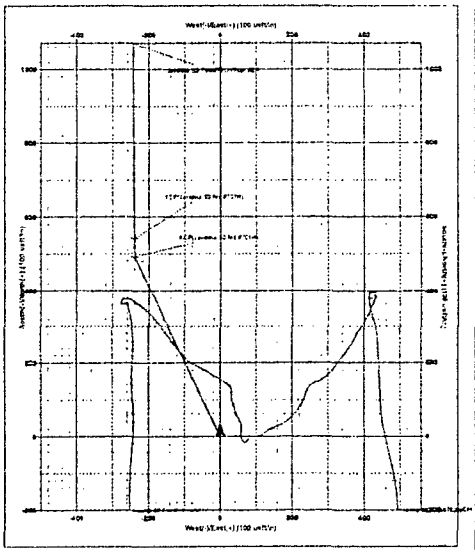
SECTION DETAILS

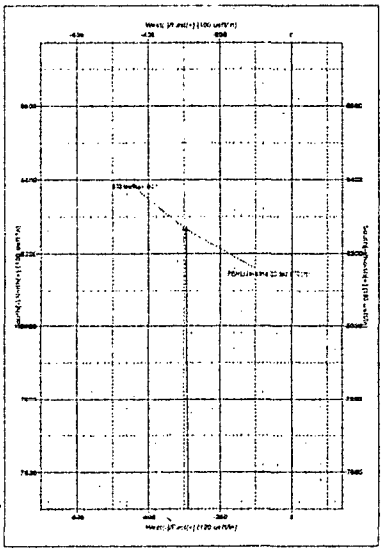
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1300.0	0.00	0.00	1300.0	0.0	0.0	0.00	0.00	0.0	
3	1549.2	4.98	334.14	1548.9	9.7	-4.7	2.00	334.14	9.9	
4	7606.3	4.98	334.14	7583.1	483.3	-234.3	0.00	0.00	491.3	
5	7855.5	0.00	0.00	7832.0	493.0	-239.0	2.00	180.00	501.2	
6	12074.0	0.00	0.00	12050.5	493.0	-239.0	0.00	0.00	501.2	KOP(Javelina 30 fed #701H)
7	12824.6	90.00	359.59	12528.0	970.5	-242.4	12.00	359.59	978.5	
8	20118.8	90.00	359.59	12528.0	8265.0	-295.0	0.00	0.00	8270.3	PBHL(Javelina 30 fed #701H)

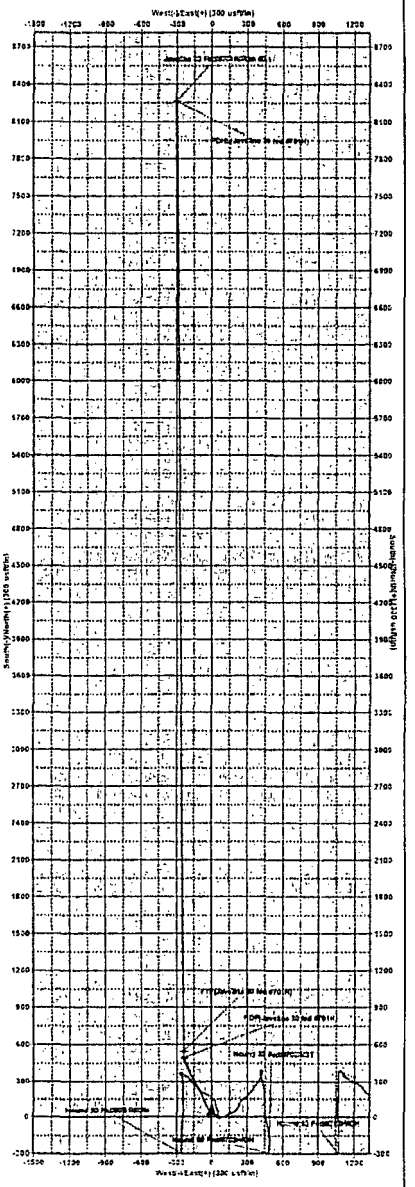
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

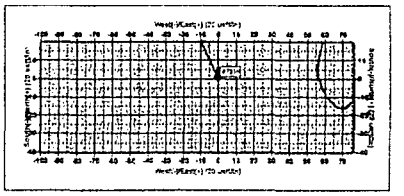
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
KOP(Javelina 30 fed #701H)	12050.5	493.0	-239.0	401672.00	794293.00	Point
FTP(Javelina 30 fed #701H)	12528.0	543.0	-239.0	401722.00	794293.00	Point
PBHL(Javelina 30 fed #701H)	12528.0	8265.0	-295.0	409444.60	794227.00	Point

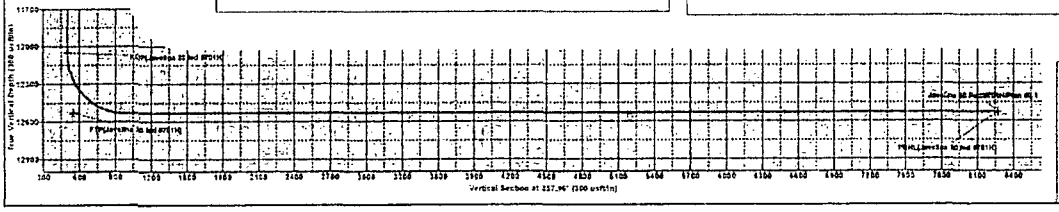


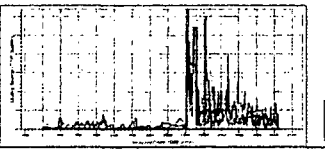












eog resources

EOG Resources - Midland

Lea County, NM (NAD 83 NME)
Javelina 30 Fed
#701H

OH

Plan: Plan #0.1

Standard Planning Report

12 November, 2018

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #701H
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:	#701H	**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:		**Northing:**	401,179.00 usft	**Latitude:**	32° 6' 1.013 N
From:	Map	**Easting:**	794,522.00 usft	**Longitude:**	103° 30' 56.515 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.43 °

Well	#701H				
Well Position	**+N/-S**	0.0 usft	**Northing:**	401,179.00 usft	**Latitude:**	32° 6' 1.013 N
	+E/-W	0.0 usft	**Easting:**	794,522.00 usft	**Longitude:**	103° 30' 56.515 W
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,317.0 usft

Wellbore	OH			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	11/12/2018	6.77	59.94	47,726.87068987

Design	Plan #0.1			
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	357.96

Plan Survey Tool Program **Date** 11/12/2018

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	20,118.8	Plan #0.1 (OH)	MWD	
				OWSG MWD - Standard	

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	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,549.2	4.98	334.14	1,548.9	9.7	-4.7	2.00	2.00	0.00	334.14	
7,606.3	4.98	334.14	7,583.1	483.3	-234.3	0.00	0.00	0.00	0.00	
7,855.5	0.00	0.00	7,832.0	493.0	-239.0	2.00	-2.00	0.00	180.00	
12,074.0	0.00	0.00	12,050.5	493.0	-239.0	0.00	0.00	0.00	0.00	KOP(Javelina 30 fed ;
12,824.0	90.00	359.59	12,528.0	970.5	-242.4	12.00	12.00	-0.06	359.59	
20,118.8	90.00	359.59	12,528.0	8,265.0	-295.0	0.00	0.00	0.00	0.00	PBHL(Javelina 30 fed

Database:	EDM 5000.14	**Local Co-ordinate Reference:**	Well #701H
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:	#701H	**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
1,549.2	4.98	334.14	1,548.9	9.7	-4.7	9.9	2.00	2.00	0.00
7,606.3	4.98	334.14	7,583.1	483.3	-234.3	491.3	0.00	0.00	0.00
7,855.5	0.00	0.00	7,832.0	493.0	-239.0	501.2	2.00	-2.00	0.00
12,074.0	0.00	0.00	12,050.5	493.0	-239.0	501.2	0.00	0.00	0.00
12,824.0	90.00	359.59	12,528.0	970.5	-242.4	978.5	12.00	12.00	0.00
20,118.8	90.00	359.59	12,528.0	8,265.0	-295.0	8,270.3	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Javelina 30 fed #7(- plan hits target center - Point	0.00	0.00	12,050.5	493.0	-239.0	401,672.00	794,283.00	32° 6' 5.909 N	103° 30' 59.250 W
PBHL(Javelina 30 fed #7 - plan hits target center - Point	0.00	0.00	12,528.0	8,265.0	-295.0	409,444.00	794,227.00	32° 7' 22.819 N	103° 30' 59.216 W
FTP(Javelina 30 fed #70 - plan misses target center by 164.1usft at 12488.3usft MD (12414.7 TVD, 661.7 N, -240.2 E) - Point	0.00	0.00	12,528.0	543.0	-239.0	401,722.00	794,283.00	32° 6' 6.404 N	103° 30' 59.246 W

PECOS DISTRICT
DRILLING OPERATIONS
CONDITIONS OF APPROVAL

OPERATOR'S NAME:	EOG RESOURCES INCORPORATED
LEASE NO.:	NMNM108504
WELL NAME & NO.:	JAVELINA 30 FED 701H
SURFACE HOLE FOOTAGE:	2191'/S & 566'/W
BOTTOM HOLE FOOTAGE	100'/N & 330'/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