

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.*

5. Lease Serial No.  
NMNM118727

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

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

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
ORRTANNA 20 FED 705H

2. Name of Operator  
EOG RESOURCES INC  
Contact: STAN WAGNER  
E-Mail: stan\_wagner@eogresources.com

9. API Well No.  
30-025-43745-00-X1

3a. Address  
1111 BAGBY SKY LOBBY2  
HOUSTON, TX 77002

3b. Phone No. (include area code)  
Ph: 432-686-3689

10. Field and Pool or Exploratory Area  
WC025G09S263327G-UP WOLFCAMP

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 20 T26S R33E SWSE 610FSL 2455FEL  
32.023441 N Lat, 103.593666 W Lon

**HOBBS OCD**

**AUG 16 2018**

11. County or Parish, State  
LEA COUNTY, NM

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

**RECEIVED**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 checked="" type="checkbox"/> Other Change to Original APD
	<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 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 a change to a 4-string casing design as attached.

**Ariscada Field Office  
OCD Hobbs**

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #428810 verified by the BLM Well Information System  
 For EOG RESOURCES INC, sent to the Hobbs  
 Committed to AFMSS for processing by PRISCILLA PEREZ on 08/02/2018 (18PP1573SE)**

Name (Printed/Typed) STAN WAGNER	Title REGULATORY ANALYST
Signature (Electronic Submission)	Date 07/26/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	ZOTA STEVENS Title PETROLEUM ENGINEER	Date 08/14/2018
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 Hobbs

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.

*KO*

**Revised Permit Information 4/16/18:**

Well Name: Orrtanna 20 Fed No. 705H

Location:

SL: 610' FSL & 2455' FEL, Section 20, T-26-S, R-33-E, Lea Co., N.M.

BHL: 230' FNL & 2315' FEL, Section 20, T-26-S, R-33-E, Lea Co., N.M.

**Casing Program:**

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF <sub>min</sub> Collapse	DF <sub>min</sub> Burst	DF <sub>min</sub> Tension
17.5"	0 - 850'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4,000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4,000' - 4,800'	9.625"	40#	HCK55	LTC	1.125	1.25	1.60
8.75"	0 - 11,200'	7.625"	29.7#	HCP110	FXL	1.125	1.25	1.60
6.75"	0 - 10,700'	5.5"	20#	P110EC	DWC CIS MS	1.125	1.25	1.60
6.75"	10700-17142'	5.5"	20#	P110EC	VAM SFC	1.125	1.25	1.60

Variance is requested for annular clearance of the 5-1/2" x 7-5/8" to the top of cement.

**Cement Program:**

Depth	No. Sacks	Wt. lb/gal	Yld Ft <sup>3</sup> /ft	Slurry Description
850'	697	13.5	1.74	Lead: Class 'C' + 4.00% Bentonite + 2.00% CaCl <sub>2</sub> (TOC @ Surface)
	333	14.8	1.35	Tail: Class 'C' + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate + 2.0% KCl (1.06 lb/sk)
4,800'	692	12.7	2.22	Lead: Class C + 0.15% C-20 + 11.63 pps Salt + 0.1% C-51 + 0.75% C-41P (TOC @ Surface)
	303	14.8	1.32	Tail: Class C + 0.13% C-20
11,200'	375	10.8	3.67	Lead: Class C + 0.40% D013 + 0.20% D046 + 0.10% D065 + 0.20% D167 (TOC @ 4,300')
	400	14.8	2.38	Tail: Class H + 94.0 pps D909 + 0.25% D065 + 0.30% D167 + 0.02% D208 + 0.15% D800
17,142'	1000	14.8	1.31	Class H + 0.1% C-20 + 0.05% CSA-1000 + 0.20% C-49 + 0.40% C-17 (TOC @ 10,700')

**Mud Program:**

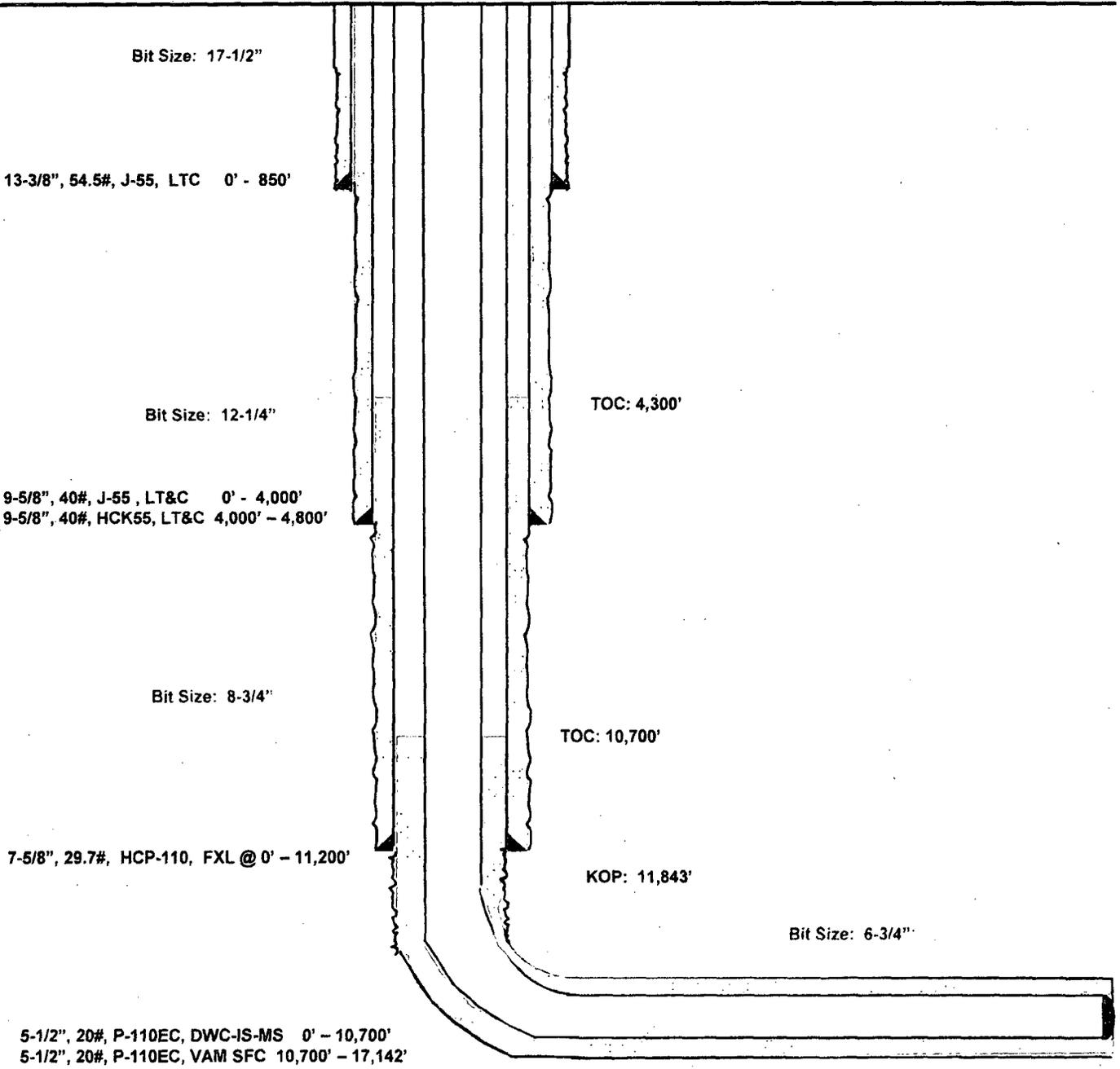
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 - 850'	Fresh - Gel	8.6-8.8	28-34	N/c
850' - 4,800'	Brine	10.0-10.2	28-34	N/c
4,800' - 11,200'	Oil Base	8.7-9.4	58-68	N/c - 6
11,200' - 17,142' Lateral	Oil Base	10.0-11.5	58-68	3 - 6

Orrtanna 20 Fed #705H  
Lea County, New Mexico

610' FSL  
2455' FEL  
Section 20  
T-26-S, R-33-E

Proposed Wellbore  
Revised 4/16/18  
API: 30-025-43745

KB: 3,277'  
GL: 3,252'



Lateral: 17,142' MD, 12,294' TVD  
Upper Most Perf:  
330' FSL & 2316' FEL Sec. 20  
Lower Most Perf:  
330' FNL & 2315' FEL Sec. 20  
BH Location: 230' FNL & 2315' FEL  
Section 20  
T-26-S, R-33-E