

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Hobbs

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.
NMNM122622

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
DOGWOOD 23 FED COM 702H

9. API Well No.
30-025-44074

10. Field and Pool or Exploratory Area
WC-025 S263327G UPPER WC

11. County or Parish, State
LEA COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

MAY 08 2018

RECEIVED

1. Type of Well
 Oil Well Gas Well Other

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

3a. Address
ATTN: STAN WAGNER P.O. BOX 2267
MIDLAND, TX 79702

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 23 T26S R33E Mer NMP SESE 200FSL 604FEL

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

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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 plans to set a whipstock to correct dogleg severity as detailed on the attached procedure.

well already drilled

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #403949 verified by the BLM Well Information System For EOG RESOURCES, INC., sent to the Hobbs Committed to AFMSS for processing by PRISCILLA PEREZ on 03/26/2018
 Name (Printed/Typed) STAN WAGNER Title REGULATORY ANALYST
 Signature (Electronic Submission) Date 02/08/2018

ACCEPTED FOR RECORD

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____ Title _____ Date APR 16 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

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD 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) **** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

[Handwritten signature]



Lea County, NM (NAD 83 NME)
 Dogwood 23 Fed Com #702H
 Plan #2

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

WELL DETAILS: #702H

Ground Level: 3331.0
 KB = 25' @ 3356.0usft
 Northing: 372741.80 Easting: 788275.80
 Latitude: 32° 1' 28.872 N Longitude: 103° 32' 11.585 W

Azimuths to Grid North
 True North: -0.42°
 Magnetic North: 6.43°
 Magnetic Field Strength: 47758.1nT
 Dip Angle: 59.87°
 Date: 2/1/2018
 Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.43°
 To convert a Magnetic Direction to a True Direction, Add 6.85° East
 To convert a True Direction to a Grid Direction, Subtract 0.42°

SECTION DETAILS

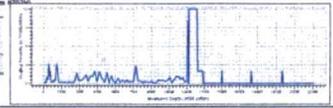
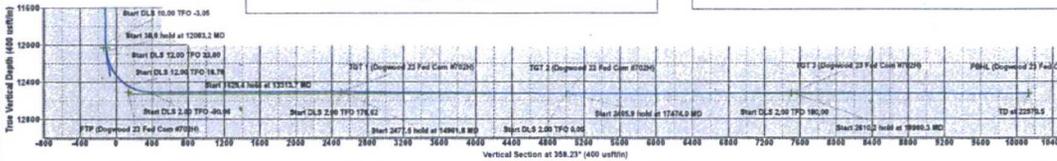
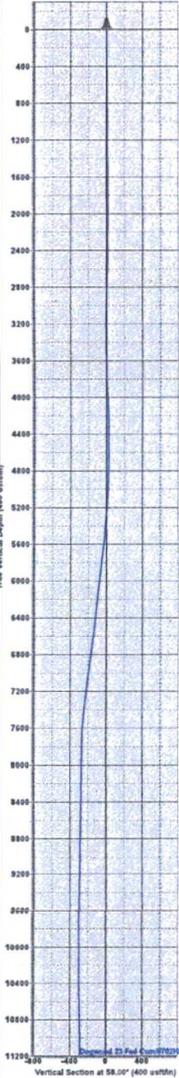
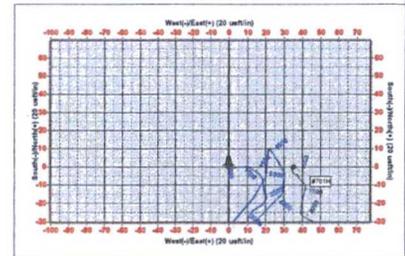
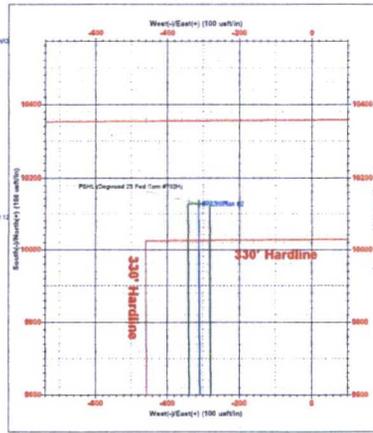
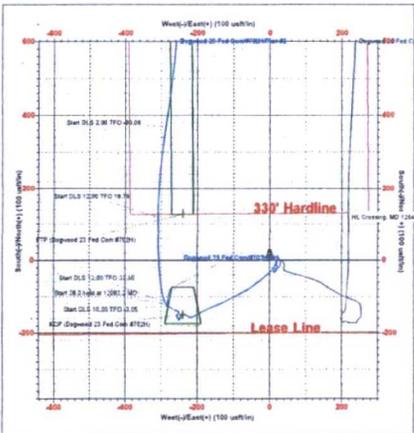
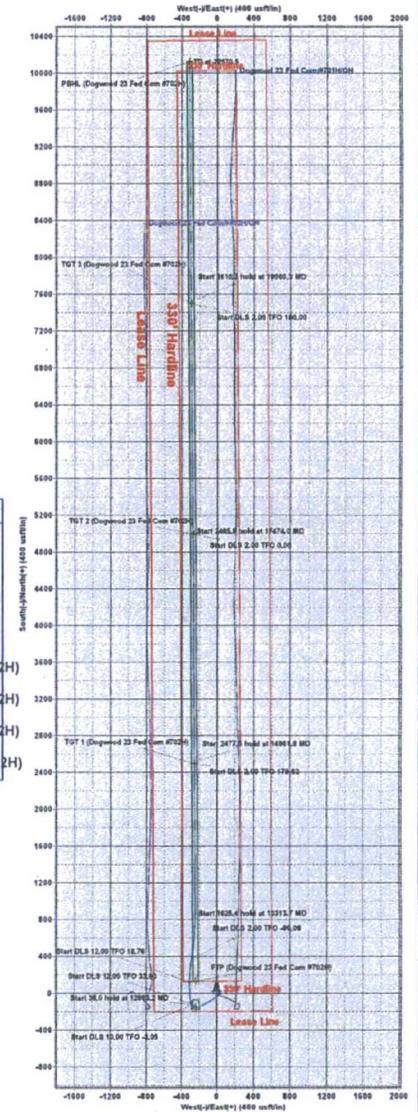
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
11970.0	1.50	305.50	11949.9	-127.1	-281.4	0.00	0.00	-118.4	
12000.0	1.68	332.54	11979.8	-126.5	-281.9	2.55	90.27	-117.7	
12083.2	10.00	330.00	12062.6	-119.2	-286.1	10.00	-3.05	-110.3	
12121.2	10.00	330.00	12100.0	-113.4	-289.4	0.00	0.00	-104.4	
12550.3	60.00	0.00	12441.9	120.6	-309.4	12.00	33.60	130.1	
12811.6	89.98	9.63	12508.9	368.7	-287.0	12.00	18.76	377.4	
13313.7	89.97	359.59	12509.1	868.6	-246.7	2.00	-90.06	875.8	
14939.1	89.97	359.59	12510.0	2494.0	-258.4	0.00	0.00	2500.8	TGT 1 (Dogwood 23 Fed Com #702H)
14961.8	89.52	359.59	12510.1	2516.6	-258.6	2.00	179.62	2523.4	
17439.3	89.52	359.59	12531.0	4994.0	-276.3	0.00	0.00	5000.2	TGT 2 (Dogwood 23 Fed Com #702H)
17474.0	90.21	359.59	12531.1	5028.7	-276.5	2.00	0.00	5034.9	
19939.9	90.21	359.59	12522.0	7494.5	-294.2	0.00	0.00	7500.0	TGT 3 (Dogwood 23 Fed Com #702H)
19960.3	89.80	359.59	12522.0	7514.9	-294.3	2.00	180.00	7520.4	
22570.5	89.80	359.59	12531.0	10125.0	-313.0	0.00	0.00	10129.8	PBHL (Dogwood 23 Fed Com #702H)

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP (Dogwood 23 Fed Com #702H)	12031.5	-149.7	-239.5	372591.33	788036.48
FTP (Dogwood 23 Fed Com #702H)	12629.0	128.0	-240.0	372869.00	788036.00
TGT 1 (Dogwood 23 Fed Com #702H)	12510.0	2494.0	-288.4	375235.00	788017.61
TGT 2 (Dogwood 23 Fed Com #702H)	12522.0	7494.5	-294.2	380235.50	787981.82
PBHL (Dogwood 23 Fed Com #702H)	12531.0	10125.0	-313.0	382866.00	787963.00
TGT 3 (Dogwood 23 Fed Com #702H)	12531.0	4994.0	-276.3	377736.00	787999.72



Vertical Section at 58.23° (400 usft/in)



eog resources

Cemented Open Hole Whipstock Procedure REV1

Dogwood 23 Fed Com #702H

2/1/2018

PRESENT WELL CONFIGURATION: 7-5/8" intermediate casing set at 11,844' MD and cemented to ~4,100'; 6-3/4" open hole from 11,844' - 12,340' (PBTD); and 12.5 ppg OBM.

1. PU SLB TrackMaster OH-C Whipstock assembly: 2 7/8" tubing tail pipe, SLB cementable whipstock, VES UBHO, x-over, 10 stands HWDP, and DP.
 - a. TIH with open hole whipstock assembly with ~250' (8 joints) 2 7/8" tubing tail pipe, tubing setting depth should be ~12,260'). **Ensure bottom joint of tubing is slotted.** Follow attached SLB running procedure and any directions by Schlumberger whipstock hand while TIH.
 - i. Optimum MUT for 2 7/8" 6.5# EUE tubing is 2,250 ft-lb
 - b. Orient whipstock w/ VES gyro at **~330° azimuth** and set whipstock anchor at **12,011' MD** (top of whipstock should be 11,993' MD)
 - i. Use attached OH whipstock setting procedure from Schlumberger and follow directions from Schlumberger whipstock hand.
2. Pump balanced cement plug from **12,260' MD - 11,755' MD**. Planned TOC is approx. 250' above whipstock. Refer to attached whipstock cement proposal. Pump and displace at 5-6 bpm unless losses are incurred. Slurry lab test results will be sent prior to start of the job.
 - a. Pump 50 bbls of 13.0 ppg Ultra HV spacer.
 - b. Mix and pump 105 sacks of cement (15.6 ppg, 1.18 cu/ft/sk yield, 22 bbls of slurry).
 - c. Pump 27 bbls of 13.0 ppg Ultra HV spacer behind cement.
 - d. Displace with 134 bbl active 12.5 ppg OBM.
3. Follow Schlumberger procedure for pulling off of whipstock and circulating to clean drill pipe.
 - a. Pull 1,000' above whipstock and circulate 2 x bottoms up. Pull first 300' at 30'/min
4. TOOH and LD Schlumberger tools. **WOC 8 hours before beginning to drill cement.**
5. PU 6-3/4" directional assembly: Security MMD63C, 4-3/4" 2.25* 7:8 4.5 Motor, UBHO, NMDC's, X-over, DP, 10 stds HWDP, DP. TIH & tag cement, wash and ream cement to top of whipstock. Orient directional tools and kick off of whipstock according to directional plan. Attempt to kick off of cement plug ~30-50' above whipstock. (Note: if on magnetic toolface, whipstock will cause interference).