

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**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.*

sqgoh dco  
OCD Hobbs

**HOBBS OCD**

SEP 05 2018

**RECEIVED**

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

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. - ~~Multiple - See Attached~~

9. API Well No. - ~~Multiple - See Attached~~

10. Field and Pool or Exploratory Area  
RED HILLS-WOLFCAMP, WEST (GAS)  
WC025G09S263327G-UP WOLFCAMP

11. County or Parish, State  
LEA COUNTY, NM

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EOG RESOURCES INCORPORATED  
Contact: RENEE JARRATT  
E-Mail: renee\_jarratt@eogresources.com

3a. Address  
MIDLAND, TX 79702

3b. Phone No. (include area code)  
Ph: 432-686-3684  
Fx: 432-686-6921

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Multiple--See Attached

**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 APD
	<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 to reflect Batch Drilling for the attached wells.

NMNM122622/Dogwood 23 Fed Com 706H/30-025-44097/Sec 23 T26S R33E SESW 194FSL  
2387FWL 32.022228, 103.5439838

NMNM122622/Dogwood 23 Fed Com 707H/30-025-44098/Sec 23 T26S R33E SESW 194FSL  
2352FWL 32.022228, 103.544052

NMNM122622/Dogwood 23 Fed Com 708H/30-025-44099/Sec 23 T26S R33E SWSW 195FSL  
883FWL 32.022228, 103.548790

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #432978 verified by the BLM Well Information System  
For EOG RESOURCES INCORPORATED, sent to the Hobbs  
Committed to AFMSS for processing by CHRISTOPHER WALLS on 08/29/2018 (18CRW0040SE)**

Name (Printed/Typed) **RENEE JARRATT** Title **REGULATORY ANALYST**

Signature (Electronic Submission) Date **08/28/2018**

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

Approved By CHRISTOPHER WALLS Title PETROLEUM ENGINEER Date 08/29/2018

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.

(Instructions on page 2)

**\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\***

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**Additional data for EC transaction #432978 that would not fit on the form**

**Wells/Facilities, continued**

<b>Agreement</b>	<b>Lease</b>	<b>Well/Fac Name, Number</b>	<b>API Number</b>	<b>Location</b>
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 705H	30-025-44096-00-X1	Sec 23 T26S R33E SESW 194FSL 2422FWL 32.022228 N Lat, 103.543823 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 706H	30-025-44097-00-X1	Sec 23 T26S R33E SESW 194FSL 2387FWL 32.022228 N Lat, 103.543938 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 707H	30-025-44098-00-X1	Sec 23 T26S R33E SESW 194FSL 2352FWL 32.022228 N Lat, 103.544052 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 708H	30-025-44099-00-X1	Sec 23 T26S R33E SWSW 195FSL 883FWL 32.022228 N Lat, 103.548790 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 709H	30-025-44100-00-X1	Sec 23 T26S R33E SWSW 195FSL 848FWL 32.022228 N Lat, 103.548904 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 710H	30-025-44114-00-X1	Sec 23 T26S R33E SWSW 195FSL 338FWL 32.022228 N Lat, 103.549019 W Lon

**32. Additional remarks, continued**

NMNM122622/Dogwood 23 Fed Com 709H/30-025-44100/Sec 23 T26S R33E SWSW 195FSL  
848FWL 32.022228, 103.548904

NMNM122622/Dogwood 23 Fed Com 710H/30-025-44014/Sec 23 T26S R33E SWSW 195FSL  
338FWL 32.022228, 103.549019

**Revisions to Operator-Submitted EC Data for Sundry Notice #432978**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM122622	NMNM122622
Agreement:		
Operator:	EOG RESOURCES, INC. P.O. BOX 2267 MIDLAND, TX 79702 Ph: 432-686-3644	EOG RESOURCES INCORPORATED  MIDLAND, TX 79702 Ph: 432.686.3689
Admin Contact:	RENEE JARRATT REGULATORY ANALYST E-Mail: renee_jarratt@eogresources.com  Ph: 432-686-3644	RENEE JARRATT REGULATORY ANALYST E-Mail: renee_jarratt@eogresources.com  Ph: 432-686-3684 Fx: 432-686-6921
Tech Contact:	RENEE JARRATT REGULATORY ANALYST E-Mail: renee_jarratt@eogresources.com  Ph: 432-686-3644	RENEE JARRATT REGULATORY ANALYST E-Mail: renee_jarratt@eogresources.com  Ph: 432-686-3684 Fx: 432-686-6921
Location:		
State:	NM	NM
County:	LEA	LEA
Field/Pool:	REDHILLS/WC-025 S263327G	RED HILLS-WOLFCAMP, WEST (GAS) WC025G09S263327G-UP WOLFCAMP
Well/Facility:	DOGWOOD 23 FED COM 705H Sec 23 T26S R33E SESW 194FSL 2422FWL 32.022228 N Lat, 103.543823 W Lon	DOGWOOD 23 FED COM 705H Sec 23 T26S R33E SESW 194FSL 2422FWL 32.022228 N Lat, 103.543823 W Lon DOGWOOD 23 FED COM 706H Sec 23 T26S R33E SESW 194FSL 2387FWL 32.022228 N Lat, 103.543938 W Lon DOGWOOD 23 FED COM 707H Sec 23 T26S R33E SESW 194FSL 2352FWL 32.022228 N Lat, 103.544052 W Lon DOGWOOD 23 FED COM 708H Sec 23 T26S R33E SWSW 195FSL 883FWL 32.022228 N Lat, 103.548790 W Lon DOGWOOD 23 FED COM 709H Sec 23 T26S R33E SWSW 195FSL 848FWL 32.022228 N Lat, 103.548904 W Lon DOGWOOD 23 FED COM 710H Sec 23 T26S R33E SWSW 195FSL 338FWL 32.022228 N Lat, 103.549019 W Lon



**Surface Batch Drilling Procedure**

1. MIRU H&P Flex 3 on the Home Well (**Furthest West Well on the 3 Well Pad**)
  - a. Notify BLM 24 hours prior to anticipated spud.
  - b. Ensure the blocks are centered over the hole and the rig is level.
  - c. Rig will go on day rate once the rig inspection is complete and the rig is capable of drilling
  - d. Note date and time the rig is accepted **AND** spud in PERC
  
2. Mud: Use FW mud for surface spud, do not pretreat. Target MW 8.4 PPG – 9.2 PPG. Utilize hi-visc sweeps as necessary to keep hole clean. Follow EOG mud program
  
3. Drill 17-1/2" Surface Hole according to Well Plan and TD ~40' below the Tamarisk Anhydrite, value considers 15' of rat hole.
  - a. TD and circulate 1 bottoms up or until hole is clean.
  - b. Notify BLM 4 Hours prior to running and cementing surface casing
  - c. POOH racking back BHA.
  
4. R/U CSG Crew and equipment (Hold PJSM). Run casing conventionally. P/U 13-3/8" fluted mandrel hanger + landing joint and land same on 20" landing sub.

<i>Item</i>	<i>Top Depth</i>		<i>Bottom Depth</i>		<i>Remarks</i>
Float Shoe	~998		~1000		Standard PDC Drillable FS
1 jt of casing	~953		~998		13 3/8" 54.5# J55 STC
Float Collar	~951		~953		Standard PDC Drillable FC
Balance of casing	Surf		~951		13 3/8" 54.5# J55 STC
<b>Centralizers:</b>	1 bow spring centralizer on the on bottom 3 joints, then every other joint				
<b>Size</b>	<b>Wt./ft.</b>	<b>Grade</b>	<b>Conn</b>	<b>Top</b>	<b>Bottom</b>
13 3/8	54.5	J55	STC	Surf	~1000
<b>Casing Details</b>					
ID:	12.615	Inches	Collapse Rating	1130	PSI
Drift	12.459	Inches	Burst Rating	2730	PSI
Joint Strength:	514	Kips	Body Yield:	853	Kips
Make up Torque (Min/Opt/Max)	3860 / 5140 / 6425				

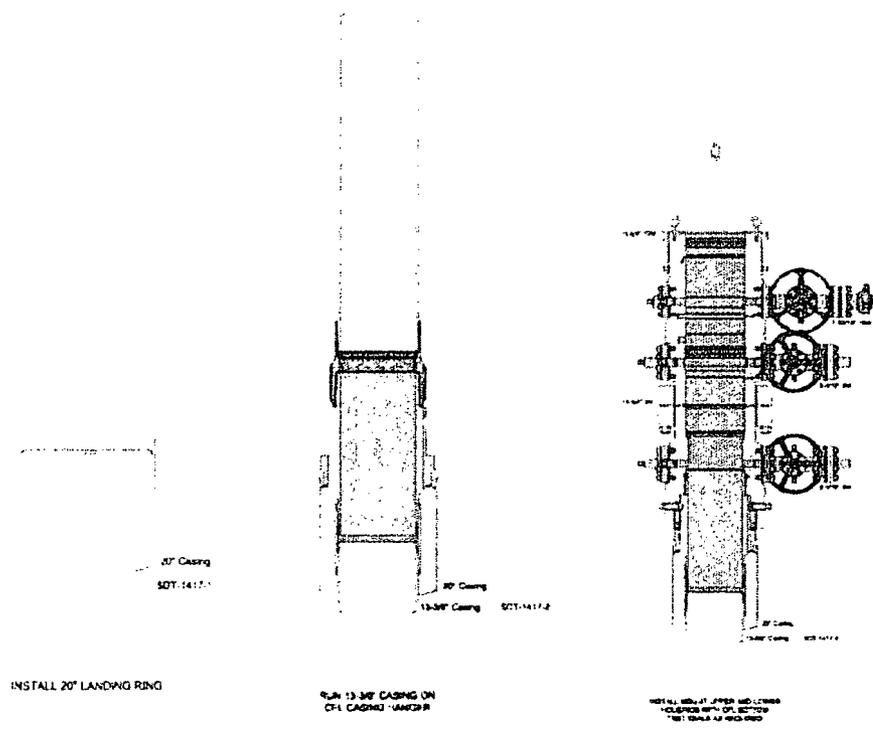
5. N/U Cement Head and cement 13-3/8" surface casing as follows:

<b>Surface Cement Pump Schedule</b>			
Spacer:	20 bbl FW Spacer		
<b>Lead:</b>		<b>Tail:</b>	
Density:	13.8	Density:	14.8
Yield:	1.62	Yield:	1.36
Mix Water:	8.45	Mix Water:	6.53
Excess %:	175% OH	Excess %:	30% OH

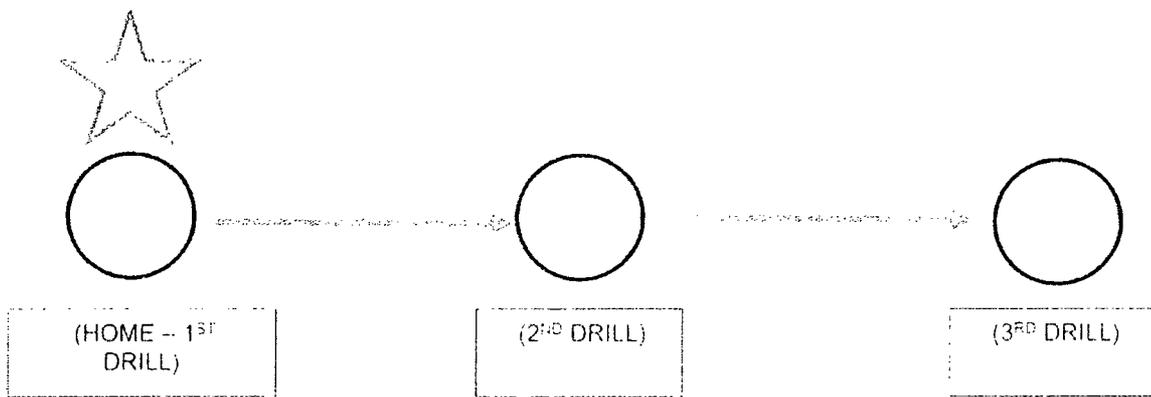
Top of Lead Cmt:	Surface	Top of Tail Cmt:	700'
Displacement:	Fresh Water		

- a Displace plug with FW and bump 500 psi over final circulating pressure. If plug does not bump, do not pump more than 1/2 the calculated shoe volume
  - b Release pressure and verify floats are holding. Note on PERC the volume of cement returns to surface and volume bled back
  - c IF cement is not circulated to surface or falls after job is complete, attempt to locate TOC with 1" tubing. Discuss w/ Midland about wireline temperature log or CBL. After BLM and Midland approval, cement the annulus with top-out cement.
6. Rig down cementers and release the landing joint, the 13-3/8" casing string will be supported by the 13-3/8" fluted hanger and 20" conductor.
  7. Skid Rig to the next well to be batch drilled
  8. Offline After skidding immediately install the Cactus MBU-4T CFL wellhead system, complete with TA Cap.
    - a. Test wellhead/13-3/4" hanger seal interface void to 5000psi, to be charted on certified chart recorder
  9. Continue above mentioned operations for remaining 2 wells to be batch drilled.
    - a. The only variance to the above operations will occur when installing wellhead on last well batch drilled. On the final well batch drilled the wellhead will be installed on-line after casing is cemented and the landing joint is removed.
  10. After the 13-3/8" casing has been cemented on the final well, remove the landing joint and install the Cactus MBU-4T CFL wellhead system
    - a. Test wellhead/13-3/4" hanger seal interface void to 5000psi, to be charted on certified chart recorder
  11. N/U and test BOPs

MBU-4T



PAD LAYOUT



We will Batch Drill Surface Hole's starting with the home well and move Away from "Home". After Surface is cemented on 3<sup>rd</sup> drill. Install the Cactus MBU-4T CFL wellhead system.