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

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.

HOBBS OCD
NOV 28 2018
RECEIVED

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other	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 708H
2. Name of Operator EOG RESOURCES INC Contact: RENEE JARRATT E-Mail: renee_jarratt@eogresources.com	9. API Well No. 30-025-44099-00-X1
3a. Address 1111 BAGBY SKY LOBBY2 HOUSTON, TX 77002 3b. Phone No. (include area code) Ph: 432-686-3644	10. Field and Pool or Exploratory Area WC025G09S263327G-UP WOLFCAMP
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)* Sec 23 T26S R33E SWSW 195FSL 883FWL 32.022228 N Lat, 103.548790 W Lon	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	
	☐ 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.

12/4
10/19/18 Resume Drilling ~~8-3/4"~~ Hole
10/21/18 Run 9-5/8", 40#, J55 LTC (0'-3955')
Run 9-5/8", 40#, HCK55 LTC (3955'-5005')
Cmt lead 1065 sx Class C, 13.0 ppg, 2.15 yld
Tail 455 sx Class C, 14.8 ppg, 1.42 yld
Test to 2110 psi/30 min - good
Circ 366 sx to surface
Resume drilling 8-3/4" hole
10/24/18 Set CIBP @ 4939' w14 sx cmnt (25')
10/25/18 Install TA cap
Test to 500 psi/30 min - good
Left well TA'd SI

Carlsbad Field Office
OCD Hobbs

Accepted for Record only

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

Electronic Submission #442745 verified by the BLM Well Information System
For EOG RESOURCES INC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 11/06/2018 (19PP0315SE)

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

Signature (Electronic Submission) — Date 11/06/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED — ZOTA STEVENS, Title PETROLEUM ENGINEER — Date 11/13/2018

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 ****

MAB/OCD
11/29/2018

Additional data for EC transaction #442745 that would not fit on the form

32. Additional remarks, continued

Release Rig

Verbal Approval of Procedure given by:

Zota Stevens
10/29/18

eog resources

Temporary Abandonment Procedure
Dogwood 23 Fed Com #708H
API# 30-025-44099
10/23/2018

Present Well Configuration:

- 13-3/8" 54.50# J55 surface casing set at 1,005' MD (25' below Tamarisk Anydrite). Cemented with 177 bbls cement to surface.
- 9-5/8" 40# HCL80/J55 intermediate 1 casing (salt string) set at 5,005' MD (112' above top of Lamar). Cemented with 140 bbls cement to surface.
- 8-3/4" open hole drilled to 9,336' MD / 9,296' TVD (base of Brushy Canyon, above top of Bone Spring Lime)
- Formations in open hole:
    - Lamar – 5,117' MD
    - Bell Canyon – 5,176' MD
    - Cherry Canyon – 6,181' MD
    - Brushy Canyon – 7,851' MD

Procedure:

1. **TIH with drilling BHA to current TD 9,336' MD**
2. **TOOH laying down 4.5" DP (~9,000' of DP). L/D directional BHA and drill collars**
3. **P/U bit and bit sub, TIH with ~9000' of 4.5" DP from derrick**
4. **Circulate and condition mud with bit at TD 9,336' MD**
    a. Ensure ~9.0 ppg WBM in/out, minimum of 1x bottoms up
    b. Ensure that all mud left in hole and used in trip tanks is treated as follows:
        - Corrosion inhibitor WCI 1013 @ 20gal/100 bbls
        - Biocide B2512 @ 5gal/100 bbls
5. **TOOH and L/D DP, bit sub, bit. Should leave ~5000' of 4.5" DP in derrick**
6. **Rig up E-line (VES). RIH with 8" gauge ring/junk basket/CCL to just above 9-5/8" float collar depth. POOH logging collars. Note: bridge plug running OD is 7.71"**
7. **Run and set Alpha Oil Tools "Big Boy" cast iron bridge plug @ ~4,939' MD**
    a. Set in middle of first full joint above 9-5/8" casing float collar
8. **POOH with wireline**
9. **Pressure test cast iron bridge plug and 9-5/8" casing against closed blind rams to 500 for 30 minutes**
    a. Simulates ~10.9 ppg EMW at 9-5/8" casing shoe
10. **Dump bail at least 25' cement on top of 9-5/8" composite plug with wireline**
    a. 2 bbls slurry, 14 sacks of Type I/II Portland Cement, 0.9 cuft/sack yield, 94 lbs/sack
    b. Make 3 runs with full 50' x 4" dump bailer
11. **TIH open ended and TOOH laying down remaining 4.5" DP**
12. **Pull wear bushing**
13. **Install Cactus TA cap on upper wellhead housing**
    a. Pressure test wellhead, TA cap, 9-5/8" casing, and composite plug/cement to 500 psi for 30 minutes (simulates ~10.9 ppg EMW at 9-5/8" casing shoe)
14. **Release H&P 462, rig down and prepare for Rig Move to Lomas Rojas 26 State Com #504H**

Big Boy Bridge Plug

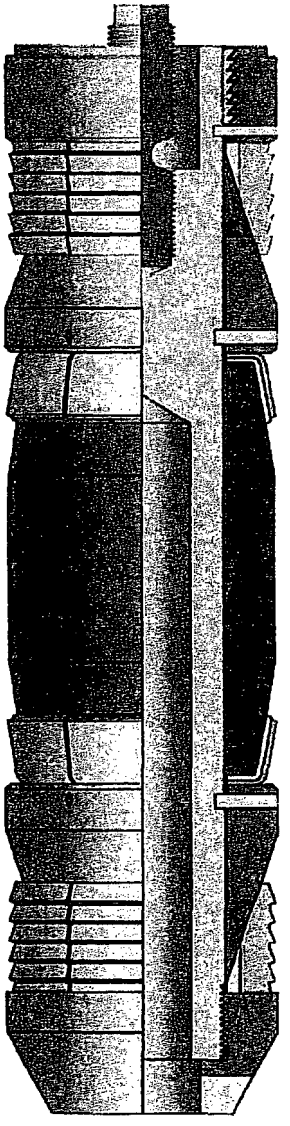
Wireline Set

The Big Boy Bridge Plug has proven to be a product that can be depended on. It has excellent running characteristics and secure sets. The plug can be set on different types of wireline pressure setting tools.

The Big Boy is designed for rapid drill-out while maintaining sufficient strength during the set. This plug sustains high pressures and temperatures.

FEATURES:

- Electric wireline set
- Drillable
- Cast iron construction
- One piece slips - hardened to depth of wicker only
- Sets in any grade casing including P-110
- Form-fitting metal back-ups prevent rubber extrusion
- For temporary or permanent service
- Ratcheting lock ring holds setting force



This illustration does not reflect all sizes

SPECIFICATIONS

CASING		PLUG		SETTING RANGE		SETTING TOOL	
OD	WT. (LBS/FT)	PART NO.	O.D.	MIN.	MAX.	BAKER	GO
2 3/8	3.3 - 5.9	000-1710-002	1.71	1.867	2.107	05	
2 3/8	3.3 - 5.9	000-1710-000	1.71	1.867	2.107		1 11/16
2 7/8	6.4 - 6.5	000-2100-002	2.10	2.280	2.563	05	
2 7/8	6.4 - 6.5	000-2100-000	2.10	2.280	2.563		1 11/16
2 7/8	6.4 - 6.5	000-2100-000	2.10	2.280	2.563		2 1/8
3 1/2	5.7 - 10.2	000-2750-002	2.75	2.867	3.258	05	
3 1/2	5.7 - 10.2	000-2750-000	2.75	2.867	3.258	10	
3 1/2	5.7 - 10.2	000-2750-000	2.75	2.867	3.258		1 11/16
3 1/2	5.7 - 10.2	000-2750-000	2.75	2.867	3.258		2 1/8
4	5.6 - 14	000-3120-002	3.12	3.340	3.732	10	2 1/8
4 1/2	9.5 - 16.6	000-3500-002	3.50	3.826	4.090	10	3 1/2
4 1/2	9.5 - 13.5	000-3710-002	3.71	3.920	4.560	10	3 1/2
5	11.5 - 21	000-3710-002	3.71	3.920	4.560	10	3 1/2
5 1/2	13 - 25	000-4240-002	4.24	4.580	5.047	20	3 1/2
5 3/4	22.5 - 25.2	000-4240-002	4.24	4.580	5.047	20	3 1/2
6	14 - 26	000-4750-002	4.75	5.140	5.595	20	3 1/2
6 5/8	34	000-4750-002	4.75	5.140	5.595	20	3 1/2
6	10.5 - 12	000-5340-002	5.34	5.595	6.366	20	3 1/2
6 5/8	17 - 34	000-5340-002	5.34	5.595	6.366	20	3 1/2
7	23 - 40	000-5340-002	5.34	5.595	6.366	20	3 1/2
6 5/8	17 - 22	000-5610-002	5.61	5.989	6.655	20	3 1/2
7	17 - 35	000-5610-002	5.61	5.989	6.655	20	3 1/2
7 5/8	20 - 39	000-6090-002	6.09	6.625	7.263	20	3 1/2
8 5/8	24 - 49	000-6960-002	6.96	7.511	8.248	20	3 1/2
9 5/8	29.3 - 53.5	000-7710-002	7.71	8.435	9.063	20	3 1/2
10 3/4	54 - 81	000-8710-002	8.71	9.250	9.784	20	3 1/2
10 3/4	32.7 - 51	000-9500-002	9.50	9.850	11.150	20	3 1/2
11 3/4	38 - 60	000-9500-002	9.50	9.850	11.150	20	3 1/2
13 3/8	77 - 102	000-1156-002	11.56	11.633	12.464	20	3 1/2
13 3/8	48 - 72	000-1200-002	12.00	12.347	12.715	20	3 1/2
16	65 - 109	000-1425-002	14.25	14.688	15.250	20	3 1/2
18 5/8	76 - 96.5	000-1725-002	17.25	17.655	18.730	20	3 1/2
20	133 - 169	000-1725-002	17.25	17.655	18.730	20	3 1/2

Trinity Oil Tools Guidelines for Running Wireline Set Bridge Plugs:
Big Boy, Midget 1 & Midget 2

1. Use casing scraper before running any equipment in the well to remove scale and other materials from the casing wall. Any tool that is expected to grip the casing wall has to reach the casing wall. Follow scraper with gage ring and junk basket.
2. Always follow cleaning, redressing and operational procedures on the setting tool. Make certain oil levels in pressure setting tool are correct for the well environment involved. Take into consideration the heat expansion of the oil in your manufacturers guidelines that should be supplied with your pressure setting tool.
3. Use the correct bridge plug for the temperature, pressure, casing size, casing weight and environment.

Big Boy Bridge Plug	Pressure	Temperature
2 3/8" tubing thru 7 5/8" casing (1.71 - 6.09 plugs)	10,000 psi	325° F
8 5/8" thru 9 5/8" casing (6.96 - 7.71 plugs)	8,000 psi	300° F
10 3/4" thru 11 3/4" casing (8.71 - 9.50 plugs)	5,000 psi	300° F
13 3/8" casing (11.56 - 12.00 plugs)	3,000 psi	300° F
16" casing (14.25 plugs)	2,000 psi	200° F
18 5/8 thru 20" casing (17.25 plugs)	2,000 psi	200° F

Midget Bridge Plug	Pressure	Temperature
2 3/8" tubing thru 7" casing (1.71 - 5.61 plugs)	6,000 psi	200° F

4. Casing should have 100% cement bond before running plug in the well.
5. Do not overtighten bridge plug onto setting tool. This action cause the slips to crack which leads to premature setting. Snug tight is sufficient for a bridge plug. The lock spring or nut, depending on make of setting tool, must accompany the tension mandrel to prevent plug from backing off.
6. Do not allow the setting tool weight to rest on the bridge plug after making up. This can cause the slips to crack.
7. Help guide the setting tool and bridge plug through lubricators, wellhead and blowout preventer. When running under pressure raise tools to the top of lubricator before equalizing the pressure into lubricator.
8. Running speed should not exceed 300 feet per minute to avoid fluid displacement cutting on elastomer. Should setting tool misfire, retrieve equipment no faster than it went in. Slow down for liners and other restrictions.
9. Never set plug in casing collar or where milling has occurred.
10. Always set plugs in static well conditions (no fluid or gas movement).
11. Shock to the plug can result in failure. Warn service companies of the plug depth to avoid high impact collisions. When using the plug for locating purposes, be gentle and ease tools onto plug. Never place tubing weight on plug.
12. Pressure setting tool failure can result from several causes (ex: out of date power charge or bad o-ring). In the event that a pressure setting tool does not shear off of the bridge plug and you have to pull out of the rope socket, the shear stud will still part in a normal manner when the setting tool is fished out. This happens most commonly because the power charge did not put up sufficient pressure to shear the stud in the plug. The Trinity studs are made to shear correctly and are held to high standards of accuracy. When the fishing tool goes in to retrieve the setting tool, you can watch the accuracy of the shear stud when it shears, assuming that the weight indicator is not out of calibration. The shear values are listed as follows:

Size of Plug (O.D.)	Shear Stud Value
1.710 thru 2.750	12,000 lbs.
3.120	25,000 lbs.
3.500 thru 4.750	30,000 lbs.
5.340 thru 12.000	50,000 lbs.

13. When perforating, bridge plug should be protected with a minimum of ten feet of cement dumped directly on top of plug. Cement should be given sufficient time to set up before perforating.
14. Perforating should not be done closer than fifty feet of bridge plug.

Trinity plugs will not be guaranteed against failure from damage resulting from perforating above a plug which has had cement dumped on it. This includes any other means of shock that will directly transfer to the plug.

These Recommendations are made by Trinity Oil Tools for the benefit of all parties knowledge and understanding of the proper way to use this product and achieve the best performance.

The ratings listed herein shall supercede all ratings, advertising, literature, posters or publications of any kind from Trinity Oil Tools published before date listed above.

Voice: (985) 857-8700
Fax: (985) 857-3190

Big Boy Bridge Plug

DIMENSIONAL DATA

Plug Size O.D.	*	A	B	C	D	E	F	G	H	J	K
1.71 GO	L	1.710	1.656	1.687	1.687	1.093	3.390	3.218	3.078	9.687	12.000
1.71 Baker	L	1.710	1.656	1.687	1.687	1.093	3.390	3.218	3.078	9.687	15.875
2.10 GO	L	2.100	2.031	2.062	2.062	1.250	3.296	3.812	2.796	9.906	12.218
2.10 Baker	L	2.100	2.031	2.062	2.062	1.250	3.296	3.812	2.796	9.906	16.093
2.75 GO	R	2.750	2.671	2.687	2.687	1.800	2.453	5.093	4.078	11.843	14.155
2.75 Baker	R	2.750	2.671	2.687	2.687	1.500	2.453	5.093	4.078	11.843	18.030
3.12	R	3.120	3.062	3.062	3.062	1.875	2.390	5.250	3.952	11.843	15.718
3.50	L	3.500	3.421	3.437	3.437	2.125	4.921	5.470	4.733	15.155	15.655
3.71	L	3.710	3.625	3.648	3.648	2.125	4.921	5.470	4.733	15.155	15.655
4.24	L	4.240	4.187	4.187	4.187	2.750	4.872	5.390	5.028	15.343	15.843
4.75	L	4.750	4.687	4.687	4.687	2.750	4.872	5.390	5.028	15.343	15.843
5.34	L	5.340	5.281	5.260	5.260	3.687	3.932	7.250	5.932	19.124	**
5.61	L	5.610	5.562	5.546	5.546	3.687	5.932	7.250	5.932	19.124	**
6.09	R	6.090	6.015	5.968	5.968	4.125	3.860	8.859	7.132	20.250	**
6.96	R	6.960	6.875	6.843	6.843	4.625	4.000	9.796	7.490	22.500	**
7.71	R	7.710	7.640	7.593	7.593	5.125	5.125	10.046	7.625	23.187	**
8.71	R	8.710	8.640	8.593	8.593	5.687	4.867	10.562	8.235	24.063	**
9.50	R	9.500	9.375	9.375	9.375	6.750	5.644	10.562	9.011	25.594	**
11.56	R	11.56	11.437	11.437	11.437	9.000	5.750	10.609	8.250	25.969	**
12.00	R	12.00	11.875	11.875	11.875	9.000	5.750	10.609	8.250	25.969	**
14.25	R	14.25	14.125	14.125	14.125	11.500	6.985	8.859	10.235	26.562	**
17.25	R	17.25	17.125	17.125	17.125	14.000	6.901	7.609	9.401	23.125	**

*. The second column indicates which illustration to use for plug dimensioning (left or right).
**. The shear stud on this size does not extend above the top of the body.
Some sizes differ slightly from the illustrations shown