Form 3160-5 (June 2015)	UNITED STATES EPARTMENT OF THE IN SURFAU OF LAND MANA(TERIOR	NMOC	D	FORM A OMB NO Expires: Jan	PPROVED . 1004-0137 uary 31, 2018
SUNDRY	NOTICES AND REPOR	RTS ON WEL	LS Hobb	S	 Lease Serial No. NMNM118726 	
abandoned we	ell. Use form 3160-3 (APE)) for such pro	posals.	SOC	6. If Indian, Allottee or	Tribe Name
SUBMIT IN	TRIPLICATE - Other inst	ructions on pa	ige 2 3	2017	7. If Unit or CA/Agreer	nent, Name and/or No.
1. Type of Well Moli Well Gas Well Ot	her		RECEN	Fr	8. Well Name and No. ANTIETAM 9 FED	СОМ 701Н
2. Name of Operator EOG RESOURCES, INC.	Contact: S E-Mail: stan_wagne	STAN WAGNE er@eogresource	R s.com	0	9. API Well No. 30-025-43477	
3a. Address ATTN: STAN WAGNER P.O. MIDLAND, TX 79702	BOX 2267	3b. Phone No. (i Ph: 432-686-	nclude area code) 3689		10. Field and Pool or E WC-025 S25330	xploratory Area 9A UPPER WC
4. Location of Well (Footage, Sec., 7	T., R., M., or Survey Description)	1 .			11. County or Parish, S	tate
Sec 9 T26S R33E Mer NMP	NWNW 59FNL 348FWL]			LEA COUNTY, N	IM
12. CHECK THE A	PPROPRIATE BOX(ES)	TO INDICATI	E NATURE OI	F NOTICE, 1	REPORT, OR OTH	ER DATA
TYPE OF SUBMISSION			TYPE OF	ACTION		,
☑ Notice of Intent ☐ Subsequent Report	Acidize	Deepe	n ulic Fracturing	Producti Reclama	on (Start/Resume) tion	□ Water Shut-Off □ Well Integrity
□ Final Abandonment Notice	Change Plans	□ Plug a	nd Abandon	Tempora	arily Abandon	Change to Original A
	Convert to Injection	🗖 Plug E	lack	U Water D	isposal	10
determined that the site is ready for EOG Resources requests an plugging back of a pilot hole. The new proposed TVD is 13 Detailed information attached	amendment to our approve 200'. I.	ed APD for this Pilot hole When tw (575-393 which m	e is required to /o plugs are set 3-3612) prior to ust be a minimu	the drilling a have a plug a , the BLM is t tag of bottom um of 200' in	at the bottom of the ho to be contacted plug, length.	ole.
14. I hereby certify that the foregoing i	As Stills is true and correct. Electronic Submission #3	67319 verified	by the BLM Wel	I Information	System	
Name (Printed/Typed) STAN W/	Committed to AFMSS for p	rocessing by D	EBORAH MCKI	NNEY on 02/1	16/2017 () ALYST	()]
Signature (Electronic	Submission)	I	Date 02/16/26	017	1 DOULA	
	THIS SPACE FO		OR STATE	OFFICEUS	PROVYD	
Approved By			Title		AR 8/2017	Date
Conditions of approval, if any, are attacht certify that the applicant holds legal or eq which would entitle the applicant to cond	ed. Approval of this notice does nuitable title to those rights in the uct operations thereon.	not warrant or subject lease	Office	PTREAT		
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it a c statements or representations as	crime for any person to any matter with	on knowingly and in its jurisdiction.	willfully 6 And	ks Brany department or ta	gency of the United
(Instructions on page 2) ** OPERA	TOR-SUBMITTED ** OF	PERATOR-S	UBMITTED	* OPERATO		* Kef
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1. GEOLOGIC NAME OF SURFACE FORMATION: Permian

2. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Rustler	1,103'
Top of Salt	1,468'
Base of Salt / Top Anhydrite	5,018'
Lamar	5,018'
Bell Canyon	5,053'
Cherry Canyon	6,128'
Brushy Canyon	7,618'
Bone Spring Lime	9,198'
1 st Bone Spring Sand	10,158'
2 nd Bone Spring Lime	10,383'
2 nd Bone Spring Sand	10,748'
3 rd Bone Spring Carb	11,218'
3rd Bone Spring Sand	11,878'
Wolfcamp	12,328'
TD	12,430'

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Water

0-400'	Fresh
6,128'	Oil
7,618'	Oil
/ 10,158'	Oil
10,383'	Oil
10,748'	Oil
11,218'	Oil
11,878'	Oil
12,328'	Oil
	0-400' 6,128' 7,618' 10,158' 10,383' 10,748' 11,218' 11,878' 12,328'

No other Formations are expected to give up oil, gas or fresh water in measurable quantities. Surface fresh water sands will be protected by setting 10.75" casing at 1,190' and circulating cement back to surface.

1.

4. CASING PROGRAM - NEW

Hole	5	Csg				DFmin	DFmin	DFmin
Size	Interval	OD	Weight	Grade	Conn	Collapse	Burst	Tension
14.75"	0 - 1,190'	10.75"	40.5#	J55	STC	1.125	1.25	1.60
8.75"	0' - 10,900'	7.625"	29.7#	HCP-110	FlushMax III	1.125	1.25	1.60
6.75"	0'-10,400'	5.5"	23#	HCP-110	VAM Top HT	1.125	1.25	1.60
6.75"	10,400'-19,860'	5.5"	23#	HCP-110	VAM SG	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.

Depth	No. Sacks	Wt. ppg	Yld Ft³/ft	Mix Water Gal/sk	Slurry Description		
10-3/4" 1,190	375	13.5	1.73	9.13	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	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate		
7-5/8"	250	14.8	1.38	6.48	Class C + 5% Gypsum + 3% CaCl2		
10,900'	2000	14.8	1.38	6.48	Class C + 5% Gypsum + 3% CaCl2		
	550	14.4	1.20	4.81	50:50 Class H:Poz + 0.25% CPT20A + 0.40% CPT49 + 0.20% CPT35 + 0.80% CPT16A + 0.25% CPT503P		
13,200	110	17.8	0.91	11.56	230' Btm Hole Plug Class 'H' + 1.20% CD-31 + 0.20% R-3 + 5.00% Salt (1.252 lb/sk)		
11,600' – 12,200'	350	17.8	0.91	11.56	600' Sidetrack Plug - Class 'H' + 1.20% CD-31 + 0.20% R-3 + 5.00% Salt (1.252 lb/sk)		
5-1/2" 19,860'	775	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 @ 10,400')		

Cementing Program:

Note: Cement volumes based on bit size plus at least 25% excess in the open hole plus 10% excess in the cased-hole overlap section.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Variance is requested to use a co-flex line between the BOP and choke manifold (instead of using a 4" OD steel line).

The minimum blowout preventer equipment (BOPE) shown in Exhibit #1 will consist of a single ram, mud cross and double ram-type (10,000 psi WP) preventer and an annular preventer (5000-psi WP). Both units will be hydraulically operated and the ram-type will be equipped with blind rams on bottom and drill pipe rams on top. All BOPE will be tested in accordance with Onshore Oil & Gas order No. 2.

Before drilling out of the surface casing, the ram-type BOP and accessory equipment will be tested to 5000/250 psig and the annular preventer to 3500/250 psig. The surface casing will be tested to 1500 psi for 30 minutes.

Before drilling out of the intermediate casing, the ram-type BOP and accessory equipment will be tested to 5000/250 psig and the annular preventer to 3500/250 psig. The intermediate casing will be tested to 2000 psi for 30 minutes.

Pipe rams will be operationally checked each 24-hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets.

A hydraulically operated choke will be installed prior to drilling out of the intermediate casing shoe.

6. TYPES AND CHARACTERISTICS OF THE PROPOSED MUD SYSTEM:

During this procedure we plan to use a Closed-Loop System and haul contents to the required disposal.

Depth	Туре	Weight (ppg)	Viscosity	Water Loss
0 – 1,190'	Fresh - Gel	8.6-8.8	28-34	N/c
1,190' – 10,900'	Brine	8.8-10.0	28-34	N/c
10,900 - 13,200'	Oil Base	8.7-11.5	58-68	3-6
Pilot Hole			5	
10,952' - 19,860'	Oil Base	10.0-11.5	58-68	3 - 6
Lateral				

The applicable depths and properties of the drilling fluid systems are as follows.

An electronic pit volume totalizer (PVT) will be utilized on the circulating system, to monitor pit volume, flow rate, pump pressure and stroke rate.

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the wellsite at all times.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- (A) A kelly cock will be kept in the drill string at all times.
- (B) A full opening drill pipe-stabbing valve (inside BOP) with proper drill pipe connections will be on the rig floor at all times.
- (C) H₂S monitoring and detection equipment will be utilized from surface casing point to TD.

8. LOGGING, TESTING AND CORING PROGRAM:

Open-hole logs are not planned for this well.

GR–CCL Will be run in cased hole during completions phase of operations.

9. ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES AND POTENTIAL HAZARDS:

The estimated bottom-hole temperature (BHT) at TD is 182 degrees F with an estimated maximum bottom-hole pressure (BHP) at TD of 7433 psig. No hydrogen sulfide or other hazardous gases or fluids have been encountered, reported or are known to exist at this depth in this area. Severe loss circulation is expected from 7,300' to Intermediate casing point.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The drilling operation should be finished in approximately one month. If the well is productive, an additional 60-90 days will be required for completion and testing before a decision is made to install permanent facilities.

11. WELLHEAD:

A multi-bowl wellhead system will be utilized.

After running the 10-3/4" surface casing, a 13-5/8" BOP/BOPE system with a minimum working pressure of 5000 psi will be installed on the wellhead system and will be pressure tested to 250 psi low followed by a 5000 psi pressure test. This pressure test will be repeated at least every 30 days, as per Onshore Order No. 2

The minimum working pressure of the BOP and related BOPE required for drilling below the surface casing shoe shall be 5000 psi.

The multi-bowl wellhead will be installed by vendor's representative(s). A copy of the installation instructions for the Stream Flo FBD100 Multi-Bowl WH system has been sent to the NM BLM office in Carlsbad, NM.

The wellhead will be installed by a third party welder while being monitored by WH vendor's representative.

All BOP equipment will be tested utilizing a conventional test plug. Not a cup or Jpacker type.

A solid steel body pack-off will be utilized after running and cementing the intermediate casing. After installation the pack-off and lower flange will be pressure tested to 5000 psi. The remaining BOPE will not be retested after installing the intermediate casing.

Both the surface and intermediate casing strings will be tested as per Onshore Order No. 2 to at least 0.22 psi/ft or 1500 psi, whichever is greater.

