Form 3160-5 (Jume 2015) UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WEI Do not use this form for proposals to drill or to re-e abandoned well. Use form 3160-3 (APD) for such pr			OCD Hobbs	OMB N		
			6. If Indian, Allottee		or Tribe Name	
SUBMIT IN	TRIPLICATE - Other inst	ructions on page 2	0		ement, Name and/or No.	
 Type of Well ☑ Oil Well ☑ Gas Well ☑ Otl 		RED I.	8. Well Name and No. THOR 21 FED C	ОМ 707Н		
2. Name of Operator EOG RESOURCES, INC.		STAN WAGNER er@eogresources.com	ECEN.	9. API Well No. 30-025-43684		
3a. Address ATTN: STAN WAGNER P.O. MIDLAND, TX 79702	3b. Phone No. (include ar Ph: 432-686-3689	ea code)	10. Field and Pool or WC-025 S2633	Exploratory Area 27G UPPER WC		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)			11. County or Parish, State			
Sec 21 T26S R33E Mer NMP SWSE 370FSL 1639FEL 🧹			LEA COUNTY, NM			
12. CHECK THE AI	PPROPRIATE BOX(ES)	TO INDICATE NATU	JRE OF NOTI	CE, REPORT, OR OTI	HER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION					
Notice of Intent	Acidize	Deepen	Pro	duction (Start/Resume)	UWater Shut-Off	
	Alter Casing	Hydraulic Frac	turing 🔲 Rec	lamation	U Well Integrity	
Subsequent Report	Casing Repair	New Construct		omplete	Other Change to Original A	
Final Abandonment Notice	 Change Plans Convert to Injection 	Plug and Aban Plug Back	_	nporarily Abandon ter Disposal	rarily Abandon PD	
EOG Resources requests aut Present well Details: 7-5/8" intermediate casing set was drilled to 17063'MD/1214 and has been severed at 1200 intermediate casing at 11409' Go Forward Plan: 1. Drill out CIBP at 11409' an	t at 11573'/11543' TVD. 6- 3'TVD. 5-1/2" production 6 81' with a jet cutter. A CIB	3/4" horizontal hole casing was stuck at 14 P was set in the 7-5/8"	164'			
14. I hereby certify that the foregoing is true and correct. Electronic Submission #378521 verified by the BLM Well Information System For EOG RESOURCES, INC., sent to the Hobbs Committed to AFMSS for processing by MUSTAFA HAQUE on 06/12/2017 () Name (Printed/Typed) STAN WAGNER Title REGULATORY ANALYST						
Name(Printed/Typed) STAN WA	AGNER	Title F	EGULATORY	ANALYSI		
Signature (Electronic S			6/09/2017			
Atout	THIS SPACE FC	R FEDERAL OR ST	TATE OFFICE	EUSE		
			Title Eng Date 0/12/17			
Conditions of approval, if any, are attache certify that the applicant holds legal or equivient would entitle the applicant to condu- which would entitle the applicant to condu-	uitable title to those rights in the		CFU			
Fitle 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent				to make to any department or	agency of the United	
(Instructions on page 2) ** OPERA	TOR-SUBMITTED ** O	PERATOR-SUBMIT	TED ** OPER	ATOR-SUBMITTED	**	

Additional data for EC transaction #378521 that would not fit on the form

32. Additional remarks, continued

TIH w/ Schlumberger Trackmaster Plus Expandable Anchor (hydraulically set) whipstock assembly with 350' of 2-7/8" tailpipe on 4-1/2" drill pipe.
 Position the whipstock assembly at 11665' and orient to 337 degree azimuth with a gyro. Set the expandable anchor and prepare to cement.
 Cement anchor in place with 150 sacks of 15.6 ppg cement. Top of cement is calculated to be 200' inside 7-5/8" intermediate casing.
 Sidetrack off of whipstock.
 Re-drill lateral (see attached directional plan).

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PRESENT WELL CONFIGURATION: 10-3/4" surface casing set at 1012' and cemented to surface. 7 5/8" intermediate casing set at 11,573' and cemented to surface; 6 3/4" open hole from 11,573'-17,063'; 5-1/2" casing fish from 12,081'-14,164'; 7-5/8" CIBP set at 11,409' and 10.0 ppg inside the 7-5/8" intermediate casing.

- 1. Drill up CIBP at 11,409' and clean out to TOF at 12,081'.
 - a. 6-3/4" mill toothed bit.
 - b. 4 1/2" drill pipe.
 - c. Condition mud and hole for whipstock and cementing
- 2. POOH to pick up 2 7/8" tubing tail pipe and cemented whipstock assembly.
 - a. TIH with open hole whipstock assembly with 2 7/8" tubing tail pipe (~350' with slotted tubing on bottom.
 - 1. Optimum MUT for 2 7/8" 6.5# EUE tubing is 2250 ft-lb
 - b. Orient whipstock to 337° azimuth with gyro and set bottom of whipstock 30' above KOP
 - 1. (Bottom at 11,693', Top at 11,665'). Reference attached OH whipstock setting procedure from Schlumberger.
- 3. Pump Balanced Plug (12,040-11,375') job procedure (perform at maximum annular velocity).
 - *See attached balanced cement plug diagram
 - a. Pump 30 bbls of 10.3 ppg OBM spacer.
 - b. Mix and pump 150 sacks of cement (15.6 ppg, 1.18 cu/ft/sk yield, 31.52 bbls of slurry).
 - c. Pump 17.3 bbls of 10.3 ppg OBM spacer.
 - d. Displace w/ 141 bbl active mud (includes under displacement by 1.5 bbl)
- 4. Follow Schlumberger procedure for pulling off of whipstock and circulating to clean drill pipe.
 - a. Pull 1000' above whipstock at 30 fpm, circulate two B/U
- 5. TOH and L/D Schlumberger tools and pick up curve assembly. Wait a reasonable amount of time before running in hole to allow cement to set up.
- 6. TIH and tag cement, wash and ream cement to top of whipstock. Orient directional tools and kick off of whipstock . Note: if on magnetic tool face, the whipstock will cause interference. Re-drill lateral hole.

