

Submit a Copy To Appropriate District Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-44267
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name GEM 36 STATE COM
8. Well Number 709H
9. OGRID Number 7377
10. Pool name or Wildcat WC025 G09 S253236A; UPPER WOLFCAMP

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator EOG RESOURCES INC	
3. Address of Operator PO BOX 2267 MIDLAND, TX 79702	
4. Well Location Unit Letter M : 220' feet from the SOUTH line and 1193' feet from the WEST line Section 36 Township 25S Range 32E NMPM County LEA	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3347' GR	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input checked="" type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

ALL PRODUCTION CEASED ON THIS WELL - RIH TO PULL TUBING, COULD NOT PULL IT, PLEASE REFERENCE ATTACHED WELLWORK.

THIS WELL WILL BE PLUGGED AND ABANDONED AS SOON AS THE NOI TO P&A IS APPROVED.

Spud Date:

01/21/2018

Rig Release Date:

04/09/2018

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kay Maddox TITLE Regulatory Analyst DATE 11/17/2022

Type or print name Kay Maddox E-mail address: kay_maddox@eogresources.com PHONE: 432-638-8475

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 1/6/23

Conditions of Approval (if any)

575-263-6633

GEM 36 STATE COM #709H WELLWORK

ALL PRODUCTION CEASED ON THIS WELL – RIH ATTEMPTED TO CLEAN OUT THE WELLBORE, FINALLY DETERMINED THAT DRILLING MUD AND CEMENT FROM AN OFFSET WELLBORE INVADED THE WELLBORE THROUGH THE FRACTURE NETWORK AND PERFORATIONS. ATTEMPTED TO FISH TUBING FOR 3 MONTHS – DETAILS BELOW.

07/06/2021

- A workover rig attempted to pull the tubing, but it was stuck in place by the cement.
- Attempted to log free point with wireline but tools tagged at 9,288.

07/09/2021

- Slickline bailer recovered small piece of scale or cement
- Pumped 5000 gals of 15% HCL acid
- Ran free point, free at 9,310'
- Backed off pipe with string shot at 9,228' and pulled tubing out of hole.
- Screwed into fish with workstring, bumper sub, jars, intensifier, no movement, backed off, no recovery.
- Ran back in with L-80 to engage fish and prep for Coil Tubing
- Cleaned out tubing to 11,800' with 1-1/4" coil
- Ran another freepoint, 100% stuck below 9700'

07/17/2021

- Jet cut pipe at 11,176' and 10,290' but no movement
- Jet cut pipe at 9,595' and recovered 3 joints, 1 gas lift valve, and 8 joints below
- Cleanout run with bit and scraper to top of fish
- Set RBP and tested casing, casing held to 500 PSI
- Retrieved RBP and ran in hole with wash pipe

08/29/2021

- Washed over tubing from 9608'-10,052', recovering heavy cement, quit making hole
- Tripped for new shoe, continue wash/drill over tubing fish to 10,252' (next gas lift valve)
- Attempt to latch fish, no bite, ran in to dress off fish, ran back in with overshot

09/08/2021

- RIH w/jet cutter, cut tubing @ 11,575',

09/09/2021

- Latch onto collar at 9598, pulled 106,000 lbs above string weight, no movement
- Ran CCL and string shot. Saw previous jet cut just below gas lift valve.
- String shot back of 10,253' at top of the gas lift valve
- Recovered 20 joints with tubing coupling
- Screwed back into fish at 10,253' with workstring
- Jet cut 11,575', perforated 11,145-11,150, cut 10,716' and perforated 10,253-10,258'
- Worked pipe, no movement
- Circulated small amount of casing to surface

- Pumped 38 bbls 15% double inhibited HCL, let sit, then flushed
- Worked pipe, no movement
- Jet cut 2' below gas lift valve @ 10,254', worked free, recovered gas lift valve and small piece of tubing
- Washed over top of fish at 10,260' to 10,294' and hit hard stop with light cement and metal shavings in returns
- POOH to inspect BHA, cracks and heavy ID gouging
- RBIH with new shoe, washed over down to 10,306' making 12 feet in 3 days
- POOH, more heavy gouging on shoe
- RIH with workstring and packer to 10,150' to test casing, casing tested good
- Made cleanout run with shoe to recover missing packer elements
- Ran in with packer to pump acid squeeze 27 bbls 10% double inhibited
- Swabbed down, no inflow
- POOH LD packer

09/21/2021

- Trip in hole with tubing and shoe to top of fish and hang tubing off to return to gas lift

10/23/2021

- Ran in hole with GR and CCL, tagged solid at 10,288'
- Rigged up 1-1/4" coiled tubing with 2.17" bit and cleaned out to 12,000' no solids in returns

10/24/2021

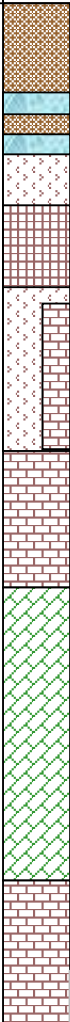
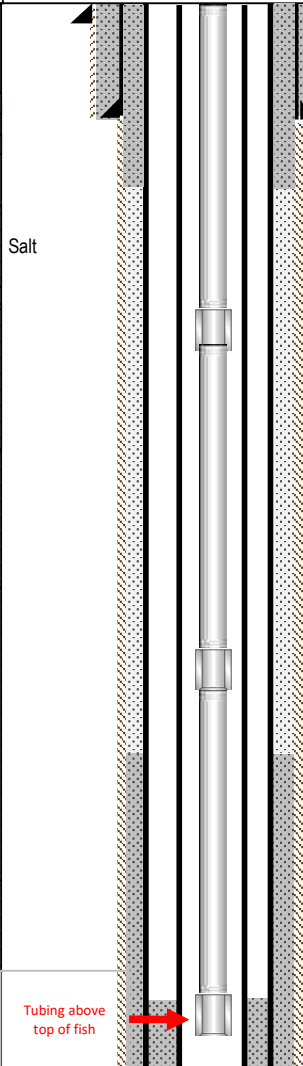
RDMO, WO approved NOI to P&A

Worked on pulling tubing for 3 months, pulled as much tubing as possible, some tubing and gas lift valves were left in hole, top of fish @ 10,260'. Put well back on production, no inflow due to cement below the fish which could not be accessed.

To put the well back on production EOG would have to mill up the fish that is cemented in hole which would be extremely time consuming and costly, and then cleanout the wellbore, but even then would still not produce much oil if the perforations and fracture network is cemented up as well. The reserves remaining and probability of success are not economically justifiable.

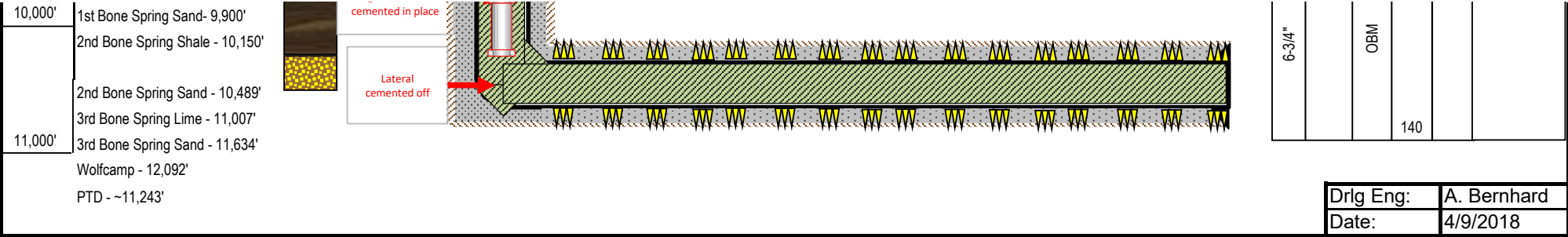


CURRENT WELL SKETCH

DEPTH (ft)	MARKERS (KB)	LITHOLOGY	OGRID: 7377 API: 30-025-44267 AFE: 109238 SPUD: 1/21/18 @ 13:30 hrs FRR: 4/9/18 @ 09:45 hrs Compl. Date: 5/18/18 RIG: Predator / H&P #620	Gem 36 State Com #709H Red Hills (Wolfcamp) Field Lea County, New Mexico	SURF: 220' FSL & 1193' FWL LOC: Sec. 36 SURVEY: T-25-S, R-32-E Lat/Long: 32.080348,-103.633481 GL: 3347.0' KB: 3372.0'	HOLE SIZE	MW (ppg)	MUD	BHST (°F)	LOT (ppg)	EVALUATION
2,000'	Rustler - 767' Top Salt - 1,087'			<p><u>20" Conductor @ 115'</u></p> <p><u>Surface Casing @ 907'</u> 13-3/8" 54.5# J-55 STC Cement w/ 485 sx Class C + 4% Gel + 2% CaCl2 + .25 pps Cellofakes (13.5ppg 1.76 yld), Followed by 310 sx Class C + 2% CaCl2 + .25 pps Cellofakes (14.8ppg 1.36yld). Did not bump plug. Circ 91 bbls of cement to suface.</p> <p><u>Intermediate Casing @ 11,614'</u> 7-5/8", 29.7#, HCP-110, BTC SCC (0' - 987") 7-5/8", 29.7#, HCP-110, MO-FXL (987' - 11,614') Cement Stage 1 w/ 600 sx Class H + 5% Salt + 0.5% CPT-30 + 0.4% CPT-35 + 0.6% CPT-23 + 1% MagOx (15.6 ppg, 1.25 yld). Bump plug, test casing to 2500 psi - OK. Did not circ cement. Cement Stage 2 via Bradenhead w/ 3000 sx Class C + 10% Salt + 1% CaCl2 + 1% MagOx + 5% Gypsum (14.8 ppg, 1.52 yld). Did not circ cement. Top Out via Bradenhead w/ 501 sx Class C + 3% CaCl2 + 1% MagOx (14.8 ppg, 1.52 yld). Cement to surface.</p> <p><u>Production Casing @ 17,054' MD, 12,193' TVD</u> 5-1/2", 20#, EY HCP-110, RDT-BTX (MJ @ 11,823') Cement w/ 545 sx Class H + 0.4% Halad R-344 + 3% MicroBond + 0.3% HR-601 (14.5 ppg, 1.25 yld). Bump plug, test casing to 5000 psi - OK. Did not circ cement - TOC @ 9130' Est.</p> <p><u>Tubing @ 10,244' MD, 10,185' TVD</u> 2-7/8", 6.5#, L-80, 8-RD</p> <p>Fish @ 10,245' (10,186' TVD) - 12,000' MD (11,938' TVD) 2-7/8", 6.5#, L-80, 8-RD and 2 Gas Lift Valves (All cemented in place, Fishing attempts unsuccessful)</p>		17-1/2"	8.6 9.0	FW	86	N/A	
3,000'						12-1/4"	9.9	Brine / Produced Water	117		
5,000'	Base Salt - 4,557'					8.7					
6,000'	Lamar - 4,762' Bell Canyon - 4,790'					9-7/8" & 8-3/4"	8.7	Brine / Produced Water	NA	117	
7,000'	Cherry Canyon - 5,769'										
8,000'	Brushy Canyon - 7,539'										
9,000'	Bone Spring Lime - 8,939' Leonard - 9,009'	Tubing above top of fish									
		FISH: Tubing and 2 gas lift valves									

10/10/2022

Gem 36 State Com #709H P&A WBD.xlsx



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CONDITIONS

Action 159755

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 159755
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
kfortner	None	1/6/2023