

Submit 1 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

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

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-42147
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 West Pearl 36 State Com
8. Well Number #5H
9. OGRID Number 229137
10. Pool name or Wildcat Lea; Bone Spring
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3734' GR

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 ☒ Gas Well ☐ Other ☐

2. Name of Operator
COG Operating, LLC

3. Address of Operator
600 W. Illinois Ave, Midland, TX 79701

4. Well Location
Unit Letter **N** : **170** feet from the **S** line and **1770** feet from the **W** line
Section **25** Township **19S** Range **34E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3734' 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 checked="" type="checkbox"/>	REMEDIAL WORK <input 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.

1. Set 5 1/2" CIBP @ 7900'. Circulate hole w/ MLF. Pressure test csg. Spot 25 sx cmt @ 7900-7700'.
2. Spot 25 sx cmt @ 4700-4500'. (Queen)
3. Perf & Sqz 90 sx cmt @ 3735-3300'. WOC & Tag (9 5/8" Shoe & B/Salt)
4. Perf & Sqz 50 sx cmt @ 1933-1750'. WOC & Tag (13 3/8" Shoe & T/Salt)
5. Spot 30 sx cmt @ 150' to surface.
6. Cut off well head, verify cmt to surface, weld on Below Ground Dry Hole Marker.

Spud Date:

Rig Release Date:

See Attached
Conditions of Approval

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

SIGNATURE Abigail Anderson TITLE Regulatory DATE 11/21/2019
Type or print name Abigail Anderson E-mail address: abbym@bcm@associates.com PHONE: 432-580-7161
For State Use Only
APPROVED BY: Kerry Hut TITLE C. O. A DATE 11-27-19
Conditions of Approval (if any):



CURRENT WELL SKETCH

API: 30-025-42147
SPUD: 12/4/2015
FRR: 12/29/2015
RIG: McVay 7

West Pearl 36 State Com No. 5H
Lea; Bone Spring Field
Lea County

Sec 25 T/B 19S R/Svy 34E
SHL: 170' FSL & 1,770' FWL
BHL: 343' FSL & 1,969' FWL (est.)
Sec 36 T/B 19S R/Svy 34E
GL: 3,734'
KB: 3,751'
ZERO: 17'

HOLE SIZE	MW (ppg)	BHST (F)	Evaluation
17.5"	9.8		No Logs
12.25"	9.7		No Logs
8.75	9.34	158F (est)	Mud Logs

Surface Casing @ 1,883'
13.375" 54.5 ppf J-55 STC
Circulated 277 sx cement

Intermediate Casing @ 3,685'
9.625" 40 ppf J-55 BTC
Circulated 42 sx cement

FRAC Summary:

21 Stage FRAC: (15,178' - 11,156')
3 Clusters/Stage: ~65' Spacing

See: Pref Detail Sheet for additional info

*cement inside 5-1/2" from 12,190' to ??? (all perms to this depth are squeezed off)

Production Casing @ 15,331'
5.5" 17 ppf P-110 LTC
FC 15,313'
Notes: Planned Wet Shoe
Circulated: 100 sx cement

MJ: 10,403'

KOP @ 7,940'
EOC @ 11,696'
EOL @ 15,331'

Average TVD in Lateral 10,949'

Updated by C. Wade
Date: 8/21/2019

T/salt - 1898'
B/salt - 3354'
Yates - 3562'
7 Rvs - 3983'
Queen - 4630'
Brushy Canyon - 6779'
Bone Spring - 8169'
10,823'

32.624608
-103.51667328



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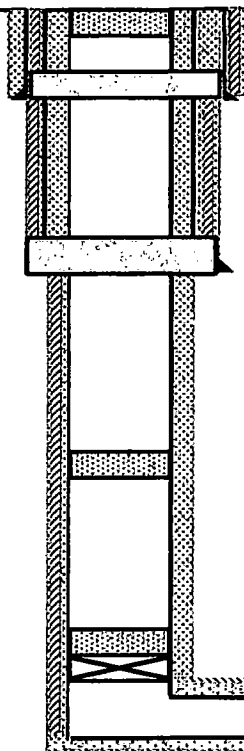
i. Spot 30 sx cmt @ 50' to surface.

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Updated by C. Wade
Date: 8/22/2019

GENERAL CONDITIONS OF APPROVAL:

- 1) Insure all bradenheads have been exposed, identified, and valves are operational prior to rigging up on well.
- 2) Contact the appropriate NMOCD District Office no later than 24 hours prior to moving in and rigging up.
- 3) A copy of the approved C103 intent to P&A should be distributed to the onsite company and plugging representatives. Approved procedures are good for a period of one year from approved date, unless otherwise specified on the C103 intent. Approvals past this date will require the submission and approval of a new C103 intent.
- 4) A company representative is required to be present to witness all operations including setting CIBP's, circulation of mud laden fluids, perforating, squeezing or spotting cement plugs, tags, or any other operations approved on the C103 intent to P&A. Company representative should contact the NMOCD and report all operations.
- 5) Any changes that may be required during plugging operations should be approved by the NMOCD before proceeding.
- 6) A closed loop system is to be used for all plugging operations. Contents of the steel pits to be hauled to a NMOCD permitted disposal facility.
- 7) Mud laden fluids must be placed between all cement plugs mixed at 25 sacks of salt gel per 100 barrels of brine.
- 8) All cement plugs will be 100' or 25 sacks cement, whichever is greater. Class 'C' cement will be used above 7500' and Class 'H' below 7500'. Plugs should be no more than 3000' apart
- 9) Site remediation due within one year of well plugging completion.