

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

NEW MEXICO OIL CONSERVATION
Energy, Minerals and Natural Resources
ARTESIA DISTRICT
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
JAN 06 2015

WELL API NO. 30-015-39842
5. Indicate Type of Lease STATE FEE X
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name PATTON 5 FEE
8. Well Number 004
9. OGRID Number 229137
10. Pool name or Wildcat PENASCO DRAW; S.A. - YESO

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, TEXAS 79701

4. Well Location
Unit Letter; E ; 2310 feet from the NORTH line and 235 feet from the WEST line
Section 05 Township 19S Range 26E NMPM EDDY County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3,368' - 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"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
DOWNHOLE COMMINGLE <input type="checkbox"/>	P AND A CASING/CEMENT JOB <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 7" CIBP @ 1,650'; PUMP 25 SXS. CMT. @ 1,650'-1,550'; CIRC. WELL W/ PXA MUD.
- 2) PUMP 40 SXS. CMT. @ 1,285'-1,165' (9-5/8" CSG.SHOE); WOC X TAG CMT. PLUG.
- 3) PUMP 30 SXS. CMT. @ 450'-350'; WOC X TAG CMT. PLUG.
- 4) MIX X CIRC. 25 SXS. CMT. @ 100'-3'.
- 5) DIG OUT X CUT OFF WELLHEAD 3' B.G.L.; WELD ON STEEL PLATE TO CSGS. X INSTALL DRY HOLE MARKER.

DURING THIS PROCEDURE WE PLAN TO USE THE CLOSED-LOOP SYSTEM W/ A STEEL TANK AND HAUL CONTENTS TO THE REQUIRED DISPOSAL, PER OCD RULE 19.15.17.

CONDITIONS OF APPROVAL ATTACHED

Approval Granted providing work is Completed by 1-14-2016

Rig Release Date:

Approved for plugging of well bore only.
Liability under bond is retained pending receipt of C-103 (Subsequent Report of Well Plugging) which may be found at OCD Web Page under Forms, www.cmnrd.state.nm.us/oed.

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

SIGNATURE David A. Eyler TITLE: AGENT DATE: 12/27/14

Type or print name: DAVID A. EYLER E-mail address: DEYLER@MILAGRO-RES.COM PHONE: 432.687.3033

For State Use Only

APPROVED BY: [Signature] TITLE Dist. # Supervisor DATE 1/14/2015

Conditions of Approval (if any): * See Attached COAs

Field

Lakewood

Location:	
Footage:	2310 FNL & 235 FWL
Section:	5
Township	19S
Range	26E
County:	Eddy Co, NM
Elevations:	
GL:	3430
KB:	12
Pumping Unit:	
Unit Size:	228-213-86
Speed:	8 SPM

History	
5/10/12	Spudded
5/18/12	Getting a lot of metal shavings and old cement in returns while drilling lateral. Stop drilling and circulate a sweep. Plug back lateral with 1000 sx cmt.
10/31/12	Perforated San Andres 1836' - 1845' with 40 shots @ 4 SPF. Acidize with 1500 gals 15% HCl.
11/6/12	Frac San Andres w/ 36K gals 20# XL carrying 45K # 16/30 & 15K # SiberProp
11/15/12	PWOP w/ 1.5" pump and mule shoe.
Capstring:	No

CURRENT			
Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth
	KB	17	17
46	2-7/8" 6.5# J55 TBG	1,495.00	1,512.00
	Marker Joint	2.00	1,514.00
2	2-7/8" 6.5# J55 TBG	64.95	1,578.95
	7" x 2-7/8" Nickel Coated TAC	2.7	1,581.65
8	2-7/8" 6.5# J55 TBG	260.00	1,841.65
	SN	1.1	1,842.75
	Desander D2705-G	20.00	1,862.75
2	2-7/8" 6.5# J55 BPMA	65	1,927.75
Rod Detail (top to bottom)			
Rods	Description	Footage	Depth
	1-1/2" x 26' SMPR	26	26
63	7/8" KD rods	1575	1601
8	1-1/2" Grade K Sinker Bars	200	1801
	2-1/2" x 2" x 20' RHBC-HVR-TS Prod Pump (GYS)	20	1821

Patton 5 Fee #4

Reservoir: Yeso

Well ID Info:	
API No:	30-015-39842
Spud Date:	5/10/2012

Csg:	9 5/8" 36# J55 LTC
Set @	1225'
Cement w/ circ.	750 sx Class C w/ 2% CaCl2 + 300 sx Class H 200 sx

EOC @ 3130' MD
Avg. TVD : 2677'
Lateral W to E
V. Sect: 2,562'

San Andres: 1685' - 1900' (30 holes @ 1 SPF)

Csg:	7" 26# HCL-80 LTC
Depth:	2095'
Cement w/	500 sx 36.65:6 Class C + 150 sx 50:50:2 Class C
Circ:	240 sx

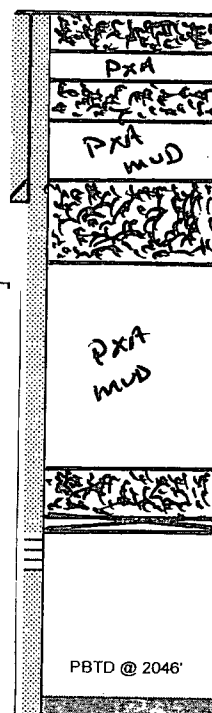
PBDT @ 2046'

Field

Lakewood

Location:	
Footage:	2310 FNL & 235 FWL
Section:	5
Township	19S
Range	26E
County:	Eddy Co, NM
Elevations:	
GL:	3430
KB:	12
Pumping Unit:	
Unit Size:	228-213-86
Speed:	8 SPM

Patton 5 Fee #4



Reservoir: Yeso

Well ID Info:

API No: 30-015-39842
Spud Date: 5/10/2012

Csg: 9 5/8" 36# J55 LTC
Set @ 1225'
Cement w/ 750 sx Class C w/ 2% CaCl2 + 300 sx Class H
Circ. 200 sx

Pump 40 SXS. cmf. @ 1285'-1165'-TAG

EOC @ 3130' MD
Avg. TVD : 2677'
Lateral W to E
V. Sect: 2,562'

Pump 25 SXS. cmf. @ 1650'-1550'

SET 7" CIBP @ 1650'

San Andres: 1685' - 1900' (30 holes @ 1 SPF)

Csg: 7" 26# HCL-80 LTC
Depth: 2095'
Cement w/ 500 sx 36.65:6 Class C + 150 sx 50:50:2 Class C
Circ: 240 sx

PBT D @ 2046'

DAE 12/27/14

NEW MEXICO OIL CONSERVATION DIVISION
DISTRICT 2 OFFICE
811 S. FIRST STREET
ARTESIA, NM 88210
(575)748-1283

CONDITIONS OF APPROVAL FOR PLUGGING & ABANDONMENT

Operator: COG Operating
Well Name & Number: Patton 5 9el #4
API #: 30-015-39842

1. Produced water will not be used during any part of the plugging & abandonment operation.
2. Notify NMOCD Dist. 2 office at least 24 hrs before beginning work.
3. Closed Loop System is to be used for entire plugging operation. Upon completion, contents of steel pit are to be hauled to a permitted disposal location.
4. Trucking companies being used to haul oilfield waste fluids to a disposal – commercial or private – shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator, as well as the contractor, to verify that this permit is place prior to performing work. Drivers shall produce a copy upon request of NMOCD Field Inspectors.
5. A subsequent C-103 will serve as notification that the well bore has been plugged ONLY. A C-103 FINAL shall be filed before any bonding can be released on the well. Upon receipt of the Final, an inspection will be performed to verify that the location has been satisfactorily cleaned to NMOCD standards.
6. If work has not begun within 1 year of the approval of this procedure, an extension request must be filed, stating reason that well has not been plugged.
7. Every attempt must be made to clean the well bore out to below the perfs, before any plugs can be set, by whatever means possible.
8. Cement Retainers may not be used.

9. Squeeze pressures are not to exceed 500 PSI, unless approval is given by NMOCD.
10. Plugs may be combined after consulting with and getting approval from NMOCD.
11. Minimum WOC time for tag plugs will be 4 Hrs.

DATE: 1/14/2015

APPROVED BY: 

GUIDELINES FOR PLUGGING AND ABANDONMENT

DISTRICT II / ARTESIA

- All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater.
- Mud laden fluids must be placed between all cement plugs.
- Mud laden fluids must be mixed at 25 sacks of gel per 100 bbls of water.
- A cement plug is required to be set 50' below and 50' above all casing shoes and casing stub plugs. These plugs must be tagged.
- A CIBP with 35' of cement on top may be set in lieu of 100' cement plug.
- A plug as indicated above must be placed within 100' of top perforation. This plug must be tagged.
- Plugs set below and above salt zones must be tagged.
- No more than 2000' is to be allowed between cement plugs in open hole and no more than 3000' in cased hole.
- DV tools are required to have a 100' cement plug set 50' above and below the tool and must be tagged.
- Formations to be isolated with plugs placed at the top of each formation are:
 - Fusselman
 - Devonian
 - Morrow
 - Wolfcamp
 - Bone Spring
 - Delaware
 - Any Salt Section (Plug at top and bottom)
 - Abo
 - Glorieta
 - Yates (this plug is usually at base of salt section)
- If cement does not exist behind casing strings at recommended formation depths, the casing must be cut and pulled with plugs set at these depths or casing must be perforated and cement squeezed behind casing at the formation depths.
- In the R-111-P area (Potash Mine area) a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts common to the section penetrated and in suitable proportions, but not more than a 3% calcium chloride by weight of cement will be considered the desired mixture whenever possible (50' below and 50' above).