

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO. 30-015-25691
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
State Oil & Gas Lease No.

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

7. Lease Name or Unit Agreement Name
GJ West Coop Unit

8. Well Number **81**

9. OGRID Number
229137

10. Pool name or Wildcat **97558**
GJ; 7RVS-QN-GB-Glorieta-Yeso

Well Location
Unit Letter O : 1295 feet from the South line and 1980 feet from the East line
Section 21 Township 17S Range 29E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3568' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

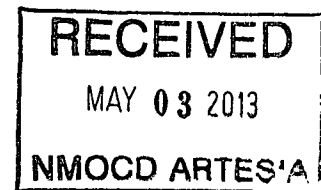
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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 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"/>	
OTHER: Deepen <input checked="" 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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See Attached procedure



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Kanicia Castillo TITLE Lead Regulatory Analyst DATE 5/01/13

Type or print name Kanicia Castillo E-mail address: kcastillo@concho.com Telephone No. 432-685-4332
For State Use Only

APPROVED BY [Signature] TITLE Director DATE 6/10/2013
Conditions of Approval (if any):

COG Operating, LLC
GJ West Coop Unit #81
API# 30-015-25691
O-21-17S-29E
1295' FSL & 1980' FEL
Eddy Co, NM

Deepening Procedure

1. MIRU rig.
2. LD production equipment
3. Sqz Paddock w/ +/- 400 sx of Class C neat.
4. Sqz San Andres w/ +/- 400 sx of Class C neat.
5. Drill out squeeze. Test squeeze to 500 psi for 20 minutes using chart recorder.
6. PU 4-3/4" bit and drill 4-3/4" hole from 4614' to 5490'.
7. POOH w/ bit and drillstring.
8. RIH w/ 4", 11.3# casing. See next attachment for general centralizer program.
9. Cement casing from TD to 4430' w/ 115 sxs Class C cmt. Drop plug and open DV tool. Circ cmt off DV tool. Drop plug to close DV tool.
10. PU workstring and RIH and drill out DV tool. POOH and LD workstring.
11. RDMO rig.

Completion Procedure

1. MIRU rig.
2. RIH/ w/ perforating guns and perforate Yeso from 5130'-5330' w/ 1 spf, 28 holes.
3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 5100'.
4. RIH w/ perforating guns and perforate Yeso from 4840'-5040'.
5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 4800'.
6. RIH w/ perforating guns and perforate Yeso from 4520'-4720'.
7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand.
8. RIH and drill out plug at 4800' and 5100'.
9. RIH and cut or back off 4" casing at 4390'. POOH w/ 4" casing. Leave 4" liner from 4430' to 5490' (TD).
10. RIH w/ tbg and locate end of tbg at 4400'.
11. RIH w/ rods and pump.
12. RDMO rig.

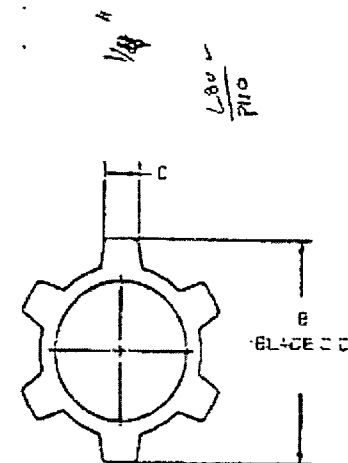
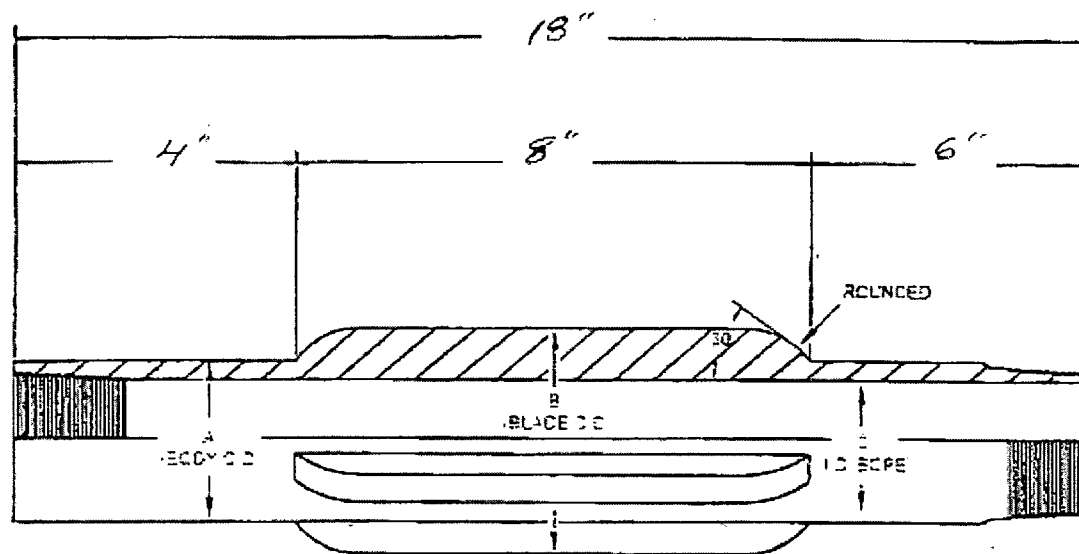
GJ West Coop Unit #113
30-015-27358

Deepening Procedure

1. MIRU rig.
2. LD production equipment
3. Sqz upper Yeso w/ +/-300sx of Class C neat.
4. Drill out squeeze. Test squeeze to 500 psi for 20 minutes using chart recorder.
5. PU 4-3/4" bit and drill 4-3/4" from 4406' to 5650'.
6. POOH w/ bit and drillstring.
7. RIH w/ logs and log from TD to 3800'.
8. RIH w/ 4", 11.3# casing. See next attachment for general centralizer program.
9. Cement casing from TD to 4350' w/ 115 sxs Class C cmt. Drop plug and open DV tool. Circ cmt off DV tool. Drop plug to close DV tool.
10. PU workstring and RIH and drill out DV tool. POOH and LD workstring.
11. RDMO rig.


Completion Procedure

1. MIRU rig.
2. RIH/ w/ perforating guns and perforate Yeso from 5130'-5330' w/ 1 spf, 28 holes.
3. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 5080'.
4. RIH w/ perforating guns and perforate Yeso from 4840'-5040'.
5. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand. Set plug at 4680'.
6. RIH w/ perforating guns and perforate Yeso from 4520-4720'.
7. Acidize w/ 2500 gals of 15% HCl. Frac zone w/ 179,800 # of sand.
8. RIH and drill out plugs at 4680' and 5080'.
9. RIH and cut or back off 4" casing at 4350'. POOH w/ 4" casing. Leave 4" liner from 4350' to 5650' (TD).
10. RIH w/ tbg and locate end of tbg at 4300'.
11. RIH w/ rods and pump.
12. RDMO rig.



±0.00 ±0.00 ±0.00
0.00 0.00 0.10

SIZE	A	B	C	D	E	F	G	DRIFT
4" x 3 1/4" 11.6"	4.050	4.750	3.347"	3/4"				3.303"

 RAY OIL TOOL CO.	
CENTRALIZED INTERCASING	
CLIENT	Concho Res
WELL NAME & NO	
CASING	4" F145 11.6"
MATERIAL	4 3/4" x 3 1/4" x 18" Q195
INSTRUCTIONS	12