

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Artesia

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5 Lease Serial No. NMLC054988A
2. Name of Operator COG OPERATING LLC		6 If Indian, Allottee or Tribe Name
Contact: BRIAN MAIORINO E-Mail: bmaiorino@concho.com		7 If Unit or CA/Agreement, Name and/or No.
3a Address 550 WEST TEXAS AVENUE SUITE 100 MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432-221-0467	8 Well Name and No. BERRY A FEDERAL 11
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 21 T17S R30E SENW 1700FNL 2260FWL		9 API Well No. 30-015-30669-00-S1
		10 Field and Pool, or Exploratory MAR LOCO-GLORIETA YESO
		11 County or Parish, and State EDDY COUNTY, NM

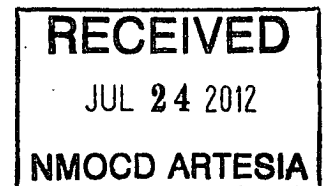
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input checked="" type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

*Please see attached subsequent deepening procedures.

RLDade 8/3/12
Accepted for record
NMOCD



14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #141436 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by BEVERLY WEATHERFORD on 07/11/2012 (11KMS1110SE)	
Name (Printed/Typed) BRIAN MAIORINO	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 06/25/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JAMES A AMOS Title SUPERVISOR EPS	Date 07/21/2012
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office Carlsbad		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Berry A Federal 11 Deepening Attachment

4/20/12 MIRU, WSU, MOVED IN REVERSE UNIT EQUIPMENT. REMOVED HEAD FROM PUMPING UNIT, BLED ON WELL AND POOH LAYING ON RODS, POOH W/ RODS, NIPPLED UP BOP, HOT WATERED TBG, SECURED WELL AND SDFN

4/21/12 OPENED WELL AND FUNCTION TEST BOP, UNSEATED TAC AND POOH LAYING ON PRODUCTION TBG. SET IN RACKS AND WORK STRING TBG, TALLIED TBG AND DRILL COLLARS, PREPARED TO PICK UP WORKSTRING W/ CASING SCRAPER

4/24/12 TIH W/ CASING SCRAPER TO 4868'. TAG UP. TOH WI SCRAPER

4/25/12 OPEN WELL UP. FUNCTION TEST BOP. TIH W/ CEMENT RETAINER TO 4268'. PUMP 35 BBLS TO CLEAR RETAINER. SET RETAINER. STING OUT. CIRCULATE HOLE W/90 BBLS. STING BACK IN. PUMP 35 BBLS TO CLEAR RETAINER AGAIN. WAIT ON HES CEMENT TRUCKS. MIRU HES TRUCKS. PUMP 35 BBLS THROUGH RETAINER. PUMP 300 SACKS HALCEM W/3%CALCIUM CHLORIDE 14.8# YIELD 1.37 FOLLOWED BY 300 SACKS CLASS C NEAT CEMENT. 14.8# 1.33 YIELD. SHUT DOWN W/34 BBLS CEMENT IN TUBING. WAIT 20 MINUTES. PRESSURE TO 600 PSI. WAIT 20 MINUTES. SQUEEZE CEMENT TO 2750 PSI. STING OUT RETAINER. WASH UP. GOT 8 BBLS CEMENT BACK. RID HES TOH W/ STINGER. CLOSE WELL IN.

4/27/12 TIH W/4 3/4 BIT, 14 3 1/2 DRILL COLLARS AND TUBING TO 4268'. TAG RETAINER. R/U REVERSE UNIT. DRILL RETAINER AND CEMENT TO 4529'. CIRCULATE CLEAN. PULL 4 STANDS

4/30/12 TIH TO 4529'. DRILL CEMENT TO 4893'. CIRCULATE CLEAN. TEST CASING TO 500 PSI FOR 30 MINUTES. HELD GOOD. TOH TO 4268'

5/01/12 OPENED WELL AND WELL WAS IN A VACUME, STARTED PUMPING AND LOADED HOLE W/61 BBLS, ESTABLISHED AN INJECTION RATE@ 1BPM W/500#, DISCUSSED W/ OFFICE. POOH W/ TBG, PICKED UP AND MADE UP PACKER, RIH TO 4272' AND SET PACKER, TESTED ANULAS F/4272 TO SURFACE W/900# AND HELD GOOD, PUMPED THROUGH SQUEEZED PERFS AND ESTABLISHED A INJECTION RATE@ 2 BPM W/650#, RETESTED ANULAS TO 550# AND HELD GOOD RELEASED PACKER AND POOH STANDING BACK W/ PACKER, SECURED WELL AND SDFN

5/02/12 OPENED WELL AND FUNCTION TEST BOP, PICKED UP AND MADE UP BIT AND CASING SCRAPER AND MADE A SCRAPER RUN, POOH WI CSG SCRAPER, PICKED UP AND MADE UP SETTING TOOL AND CEMENT RETAINER, RIH WI RETAINER AND 133 JNTS TO 4241', RIGGED UP CEMENT IRON, PUMPED 40 BBLS THROUGH RETAINER TO ATTEMPT TO LOAD HOLE, DID NOT LOAD, SET RETAINER@ 4241', LOADED ANNULAS AND TOOK 6 BBLS TO LOAD, STARTED DOWN HOLE WI LEAD CEMENT, PUMPED 35 BBLS OF LEAD AND HAD 10 BBLS OF TAIL CEMENT GONE, OBTAINED A GOOD SQUEEZE WI 3000# AND HELD, SHEAR OFF RETAINER AND REVERSED OUT AND TOOK 2200# TO CIRC CEMENT OUT, RIGGED DN HALLIBURTON CEMENTERS, POOH WI SETTING TOOL, SECURED WELL SDFN, WOC. PICKED UP AND MADE UP SETTING TOOL AND CEMENT RETAINER, RIH WI RETAINER AND 133 JNTS TO 4241', RIGGED UP CEMENT IRON, PUMPED 40 BBLS THROUGH RETAINER TO ATTEMPT TO LOAD HOLE, DID NOT LOAD, SET

RETAINER@ 4241', LOADED ANNULAS AND TOOK 6 BBLS TO LOAD, STARTED DOWN HOLE WI LEAD CEMENT, PUMPED 35 BBLS OF LEAD AND HAD 10 BBLS OF TAIL CEMENT GONE, ABTAINED A GOOD SQUEEZE WI3000# AND HELD, SHEAR OFF RETAINER AND REVERSED OUT AND TOOK 2200# TO CIRC CEMENT OUT, RIGGED DN HALLIBURTON CEMENTERS POOH WI SETTING TOOL, SECURED WELL AND SDFN

5/03/12 OPENED WELL AND FUNCTION TEST BOP, LAYED DN 7 JNTS AND RIH WI BIT TO 4241', INSTALLED STRIPPER HEAD RUBBER AND PICKED UP SWIVEL. BROKE CIRCULATION AND DRILLED OUT CEMENT RETAINER AND SQUEEZED CEMENT FROM 4241' TO 4370', CIRCULATED HOLE CLEAN

5/04/12 RIH TO 4379', PICKED UP SWIVEL AND BROKE CIRCULATION, DRILLED OUT SQUEEZED CEMENT FI4370' TO 4879'. CIRCULATED HOLE CLEAN, PULLED UP ABOVE SQUEEZED PERFS@ 4241', SECURED WELL AND SDFN.

5/05/12 OPENED WELL AND FUNCTION TEST BOP, RIH TO 4879, PICKED UP SWIVEL AND DRILLED OUT CEMENT FLOAT EQUIPMENT AND 25FT OF FORMATION TO 4945'. CIRCULATED HOLE CLEAN. POOH STANDING BACK TO CHANGE OUT BIT AND PICK UP MUDDMOTOR

5/08/12 PICKED UP AND MADE UP BIT AND MOTOR, RIH TO 4945', PICKED UP SWIVEL AND INSTALLED STRIPPER HEAD RUBBER. BROKE CIRCULATION AND DRILLED FORMATION 4945' TO 5795'.

5/09/12 DRILLED FORMATION FROM 5795' TO 5922', DRLG WI15K WOB, 1250 PSI WI3 BPM, BIT AND AND MOTOR QUIT DRILLING, CIRCULATED HOLE CLEAN POOH STANDING BACK, LAYED DN BIT AND MOTOR, PICKED UP NEW BIT AND MOTOR AND RIH TO TOP OF SQUEEZED PERFS.

5/10/12 RIH TO 5922, PICKED UP SWIVEL AND INSTALLED STRIPPER HEAD RUBBER AND BROKE CIRCULATION, DRILLED FORMATION F/5922' TO 6228', BIT AND MOTOR QUIT DRILLING AT 6228' AND RECIEVED THE OK FROM RYAN DEHNAD TO TO@ 6228' CIRCULATED HOLE CLEAN. POOH STANDING BACK TO TOP OF SQUEEZED PERFS@ 4242'

5/12/12 RIGGED UP LEWIS CASING CREW AND BIG BEAR LAY ON, RAN 146 JNTS OF 4" ULTFJ 11.3# LBO CASING, TOTOL PIPE RAN 6224', SET@ 6224', SET DV TOOL@ 4852', RIGGED ON CASING CREW AND BIG BEAR LD, RIGGED UP HALLIBURTON CEMENTERS AND HELD PRE JOB SAFTY MEETING PRIOR TO STARTING JOB, STARTED CEMENT JOB, PUMPED 70 BBLS CASING CAPASITY THEN MIXED AND PUMPED CEMENT, CEMENTED W/140 SKS OF HALCEM-C CMT WI .5% LAP-1, .6% CFR-3, .25# O-AIR, HR-601, & .25# POLY-E-FLAKE, DENSITY @14.8, YLD 1.34, 6.3 SKS/BBL, PLUG DOWN@ 15:30, DROPPED OPENING PLUG AND OPENED DV TOOL @1150 PSI, CIRCULATED 20 BBLS 84 SKS OF CEMENT TO STEEL PIT, DROPPED CLOSING PLUG

5/15/12 RIH PICKING UP 2 3/8" WORK STRING TO TOP OF DV TOOL, DRILLED OUT DV TOOL, CIRCULATED HOLE CLEAN, RIH AND TAGGED BOTTOM, POOH STANDING BACK, PICKED UP AND MADE UP STRING MILL AND RIH TO DV TOOL, WORKED MILL THROUGH DV TOOL SEVERAL TIMES

5/16/12 UP ACID PUMP TRUCK AND PICKLED CASING W/15% PICKLE ACID, CIRCULATED ALL ACID OUT, RIGGED ON PUMP TRUCK. POOH LAYING ON WRORK STRING TBG AND COLLARS

5/17/12 RIGGED UP HALLIBURTON WIRELINE AND RAN GAUGE RING, GYRO

5/24/12 MIRU HES TO FRAC. PbtD-6168 perfs-5840-6040. 26 holes 1 spf. Acidize via 4" 180 casing w/2500 gals 15% acid, Frac via 4" 180 casing w/112804 gals r15 carrying 144378# 16/30 ottawa w/29428# 16/30 sic. SET 4" COMPOSITE MAVERICK PLUG AT 5775'. PERFORATE INTERVAL FROM 5540-5740'. 24 HOLES 1 SPF. Cbp-5775 perfs-5540-5740. 24 holes 1 spf, Acidize via 4" 180 casing w/1500 gals 15%, Frac via 4" 180 casing w/113995 gals r15 carrying 146073# 16/30 ottawa w/29160# 16/30 sic, SET CBP AT 5475'. PERFORATE INTERVAL FROM 5240-5440'. 24 HOLES 1 SPF, Acidize via 4" 180 casing w/1500 gals 15%, Frac via 4" 180 casing w/109439 gals r15 carrying 142171# 16/30 ottawa w/23931# 16/30 sic.

6/06/12 RIU WELL FOAM. BREAK CIRCULATION. TIH TO 5400'. RIU REVERSE UNIT. WASH SAND TO 5475'. DRILL CBP. CIRCULATE CLEAN. TIH TO 5750'. WASH SAND TO 5785'. DRILL CBP. CIRCULATE CLEAN. TIH TO 6010'. WASH SAND TO 6168'. CIRCULATE CLEN. RID FOAM UNIT AND REVERSE UNIT. TOH TO ABOVE PERFS.

6/07/12 TIH TO 6150'. PBTD- 6168'. 18' OF FILL. TOH W/TUBING AND BIT LAYING DOWN. MOVE TUBING OFF. RIU ROTARY WIRELINE. TIH W/ FREEPOINT TOOL TO 4853'. DV TOOL SHOWED TO BE 60% STUCK. IT WAS 100% FREE AT 4809'. ONE JOINT UP FROM DV TOOL. DECISION WAS MADE TO BACK IT OFF THERE. TOH. RIU STRING SHOT. TIH. BACK CASING OFF. TOH. RID ROTARY WIRELINE

6/08/12 FUNCTION TEST BOP. RIU CASING CREW AND LAY DOWN MACHINE. LAY DOWN 113 JTS 4" CASING. RID CASING CREW AND LAYDOWN MACHINE. MOVE CASING OFF. MOVE IN PRODUCTION TUBING. TALLY PRODUCTION TUBING. TIH W/ TUBING. BULL PLUG, 5 JOINTS MUD ANCHOR, DESANDER, SEATING NIPPLE, 8 JOINTS, TAC, 2 JOINTS, 2' MARKER SUB AND 131 JOINTS 2 7/8 TUBING. PBTD- 6168'. PERFS- 5240-6040'. EOT-4773'. SN- 4590'. TAC-4330. NIPPLE DOWN BOP. SET TAC W/16 POINTS TENSION. NIPPLE UP WELLHEAD.

6/11/12 TIH W/ 2 1/2 X 1 3/4 X 20 RHBC PUMP W/ LIFT SUB, 6 1 3/8 C BARS, 132 3/4 N97 RODS, 44 7/8 N97 RODS, 1 1/2 X 26 POLISH ROD. SPACE WELL OUT. HANG WELL ON. LOAD AND TEST TO 500 PSI. CHECK PUMP ACTION. RIG UNIT DOWN. MOVE OFF TURN TO PRODUCTION