OCD Artesia UNITED STATES DEPARTMENT OF THE INTERIOR JUL 3 0 2010 **BUREAU OF LAND MANAGEMENT** SUNDRY NOTICES AND REPORTS ON WELLS
NMOCD APA Follower well like form 2450 2 (ADD): Lease Serial No NMLC029338B 6. If Indian, Allottee or Tribe Name idoned well. Use form 3160-3 (APD) for such proposals. If Unit or CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE - Other instructions on reverse side. Type of Well Well Name and No HARVARD FEDERAL 14 Oil Well Gas Well Other API Well No. Name of Operator Contact KANICIA CARRILLO COG OPERATING LLC E-Mail: kcarrillo@conchoresources.com 30-015-37412-00-S1 3a Address b. Phone No. (include area code) Field and Pool, or Exploratory 550 W TEXAS, STE 1300 FASKEN TOWER II Ph: 432-685-4332 LOCO HILLS MIDLAND, TX 79701 UNKNOWN 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, and State Sec 11 T17S R30E NENE Lot A 990FNL 510FEL EDDY COUNTY, NM

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | | | | | | |
|---|--|---|---|---|--|--|--|--|--|
| ☐ Notice of Intent Subsequent Report Final Abandonment Notice | ☐ Acidize ☐ Alter Casing ☐ Casing Repair ☐ Change Plans ☐ Convert to Injection | Deepen Fracture Treat New Construction Plug and Abandon Plug Back | Production (Start/Resume) Reclamation Recomplete Temporarily Abandon Water Disposal | □ Water Shut-Off □ Well Integrity ☑ Other □ Drilling Operations | | | | | |

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.)

4/27/10 Test 5-1/2 csg 3500psi, ok. Perf Lower Blinebry @ 5600-5800 w/ 1 SPF, 26 holes. 5/5/10 Acidize w/2,500 gals acid. Frac w/118,404 gals gel, 143,629# 16/30 Ottawa Sand, 28,819# 16/30 Siberprop. Set comp plug @ 5550. Perf Middle Blinebry @ 5320-5520 w/1 SPF, 26 holes. Acidize w/2,500 gals acid. Frac w/124,220 gals gel, 149,474# 16/30 Ottawa Sand, 30,614# 16/30 Siberprop. 5/6/10 Set comp plug @ 5280. Perf Upper Blinebry @ 5050-5250 w/1 SPF, 26 holes. Acidize w/2,500 gals acid. Frac w/124,485 gals gel, 149,821# 16/30 Ottawa sand, 31,442# 16/30 Siberprop. Set comp plug @ 4910. Perf Paddock @ 4630-4880 w/ 1 SPF, 29 holes. Acidize w/3,000 gals acid. Frac w/109,737 gals gel, 114,702# 16/30 Ottawa Sand, 19,565# 16/30 Siberprop. 5/10/10 Drill out plugs. Clean out to PBTD 6055. 5/11/10 RIH w/177jts 2-7/8" J55 6.5# tbg, SN @ 5583. 5/12/10 RIH w/2-1/2"x1-1/4"x24? tbg pump. Hang on well.

14 Thereby certify that the foregoing is true and correct Electronic Submission #88716 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by CHERYLE RYAN on 06/29/2010 (10CMR0524SE) Name (Printed/Typed) KANICIA CARRILLO **PREPARER** Signature (Electronic Submission) Date 06/29/2010 THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

JAMES A AMOS TitleSUPERVISOR EPS

Date 07/24/20 2010

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.

FORM APPROVED

OMB NO. 1004-0135

Expires: July 31, 2010



RECEIVED

JUL 3 0 2010

Form 3160-4

(August 2007)

OCD Artesia

DEPARTMENT OF THE INTERIOR NMOCD ARTESIA OF LAND MANAGEMENT

FORM APPROVED OMB No 1004-0137

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Expires July 31, 2010

| WELL COMPLETION OR RECOMPLETION REPORT AND LOG | | | | | | | | | | | 5. Lease Serial No. NMLC029338B | | | | | | |
|---|------------------------------------|------------------------|---------------------------|-------------|---------------|----------|-------------------------------|-----------|------------------------|--------------|--------------------------------------|-------------------------------|--------------------|------------------|----------------|--|-------------------|
| Ta Type of Well ☐ Oas Well ☐ Dry ☐ Other | | | | | | | | | | | 6. If Indian, Allottee or Tribe Name | | | | | | |
| b. Type o | f Completion | ⊠ ^N Othe | New Well | | | | | | | | 7. Unit or CA Agreement Name and No. | | | | | | |
| 2. Name of Operator Contact: KANICIA CARRILLO 8. Lease Name and Well No. COG OPERATING LLC E-Mail. kcarrillo@conchoresources.com HARVARD FEDERAL 14 | | | | | | | | | | | | | | | | | |
| 3. Address 550 W TEXAS, STE 1300 FASKEN TOWER II | | | | | | | | | | | | 1 | | | | | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* 10 Field and Pool, or Exploratory LOCO HILLS | | | | | | | | | | | | xploratory | — / | | | | |
| At surface NENE Lot A 990FNL 510FEL TI. Sec., T., R., M., or Block and Surve | | | | | | | | | | | | ey NMP | | | | | |
| At top prod interval reported below NENE Lot A 990FNL 510FEL 12. Cou | | | | | | | | | | | County or P | arish | 13. State | | | | |
| At total depth NENE Lot A 990FNL 510FEL EDDY NM 14. Date Spudded 15 Date T.D. Reached 16. Date Completed 17. Elevations (DF, KB, RT, GL)* | | | | | | | | | | | | | | | | | |
| 14. Date Spudded 04/02/2010 15 Date 1.D. Reached 04/11/2010 16. Date Completed 17. Elevations (DF, RB, RT, GL)* 3750 GL 3750 GL | | | | | | | | | | | | | | | | | |
| 18. Total I | • | MD TVD | 6105 6105 | İ | 19. Pluį | | | MD TVD | | 6055 6055 | | | <u> </u> | dge Plug Se | 7 | MD CVD | |
| 21. Type E COMP | lectric & Oth ENSATEDN | er Mecha EUT | nical Logs R | un (Subm | iit copy | of each |) | | | | Was D | ell core ST run ional S | ed? ? orvev? | ₹ No | ⊢ Yes | (Submit analys (Submit analys (Submit analys | 15) |
| 23 Casing a | nd Liner Reco | ord (Repo | ort all strings | set in we | :11) | | | | | | Direct | iona: 5 | | I ZI . 10 | <u> </u> | (Ottomic unurys | |
| Hole Size | Size Size/Grade Wt (#/ff) ' | | | | ottom (MD) | | Cement Depth | | o. of Sks pe of Cen | | | | Cement 7 | Гор* | Amount Pull | ed | |
| 17.500 | 13.3 | 375 H40 | 48.0 | | 0 | 47 | 8 | | 450 | | 450 | | | | 0 | | 0 |
| 11.000 | | 625 J55 | 24.0 | | 0 | 133 | _ | | <u> </u> | | 500 | | | | 0 | | 0 |
| 7.875 | 5. | 500 J55 | 17.0 | <u> </u> | <u> </u> | 610 | 3105 | | | | 1150 | | | | 0 | | 0 |
| | | | | | | | ╁┈- | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 24. Tubing | | <u> </u> | 1 5 4 | () (D) T | <u> </u> | T 5 | 4.0.4 | . (D) | | D .1.0 | <i>(</i> 5) | <u> </u> | | 1 0 . 0 . | s\ 1 | 5 1 5 1 0 | (D) |
| 2.875 | | | | | | th Set (| t (MD) Packer Depth (MD) Size | | | | De | pth Set (M | D) . | Packer Depth (N | <u>4D)</u> | | |
| | ing Intervals | 0000 | | | | 1 20 | Perfor | ration Re | ecord | | | | | | L | | — |
| F | ormation | | Тор | | Botton | | 1 | Perforate | ed Interv | al | $\neg \Gamma$ | Size | | No. Holes | [| Perf. Status | |
| A) | | (ESO | | | | | | | | 0 TO 48 | | | 410 | | OPE | | |
| B) | PADE | | | 4630 | | 380 | | | | 0 TO 52 | | | 410 | 26 OPEN | | | |
| C) | BLINE | BRY | | 5600 | 5 | 300 | | | | | 410 410 | | OPE | | | | |
| | racture, Treat | ment, Ce | ment Squeez | e, Etc | | | | | 500 | 0 10 50 | 00] | 0. | 410] | | JOPEI | <u> </u> | — |
| | Depth Interva | al | | | | | | | Amount | and Typ | e of M | aterial | | | | | |
| | | | 880 ACIDIZI | | | | | | | | | | | | | | |
| | | | 880 FRAC V | | | | | 6/30 OT | TAWA S | AND, 19, | 565# 1 | 6/30 SII | BERPRO | OP SAND. | | | |
| | | | 250 ACIDIZI 250 FRAC V | | | | | 16/30 OT | TTANA/A S | SAND 21 | 442# 1 | E/20 :C1 | DEDDD | AD-CAND | | | |
| 28 Product | tion - Interval | | 230 11000 0 | V/ 124,400 | GALO | GLL, 14 | 3,021# | 10/30 01 | TIAVVA | DAND, 31 | ,442# | | | | ŊΓ | UD DEU | ${\sqrt{DD}}$ |
| Date First | Test | Hours | Test | Oil | Gas MCF | | Water | | I Gravity | | Gas | | Product | ion Method | U f | UK KLU | III I) |
| Produced 05/14/2010 | Date 05/25/2010 | Tested 24 | Production | BBL 81 0 | | 36 0 | BBL 229 | 1 | orr API 37 | 8 | Gravity | | | ELECTR | | C PUMPING UNIT | |
| Choke | Tbg Press | Csg | 24 Hr | Oil | Gas | | Water | | as Oil | | Well Status | | | | | | |
| Size | | | | | 229 | | Ratio POW | | | JUL 2 4 2010 | | | | | | | |
| 28a Produ | ction - Interva | al B | | L | | | | | | | | | | 1/2 |) | 7 | |
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | | Water BBL | | il Gravity orr API | | Gas Gravity | | | ion Method | 1 4 5 1 = | | |
| 05/14/2010 | 05/25/2010 | 24 | | 81 0 | - 1 | 36 0 | 229 | | 37 | 8 | 1 | .60 | I /BU | PEALL SE | RIC PUI | MAGIOREME | .NT |
| Choke Size | Tbg Press Flwg 70 | Csg Press | 24 Hr Rate | Oil BBL | Gas MCF | | Water BBL | | as Oil atio | | Well St | atus | V | | AD HI | | |
| | sı | 70.0 | | 81 | - 1 | 136 | 229 | 1 | | | Р | ow | | | | | |

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #88720 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **



| 28b. Proc | duction - Interv | al C | | | | | | | | | | | |
|---|---|---------------------------|----------------------------------|---|---------------------------|--|---|-------------------------|-----------------------------------|------------------------------|-----------------------|--|--|
| Date First Produced | | | | | Oil Gravity Corr API | Gas Grav | | Production Method | | | | | |
| | | resico | - | | we. | 555 | 7.17 | Giav | | | | | |
| Choke Size | Tbg Press Flwg SI | Csg Press | 24 Hr Rate | Oil BBL | Gas MCF | Water BBL | Gas Oil Ratio | Well | Status | | | | |
| | luction - Interv | al D | | | | | | | | Production Method | | | |
| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr API | Gas Grav | | | | | |
| Choke Size | Tbg Press Flwg SI | Csg Press | 24 Hr Rate | Oil Gas Water Gas Oil Well Status BBL MCF BBL Ratio | | | | | | | | | |
| | osition of Gas | Sold, used | for fuel, vent | ed, etc.) | <u> </u> | <u> </u> | | | | | | | |
| SOL 30 Sumi | nary of Porous | Zones (Ir | iclude Aquife | rs): | | | | | 31. For | mation (Log) Marl | kers | | |
| tests, | all important including deplectives. | zones of p th interval | orosity and co tested, cushic | ontents ther on used, tim | eof: Cored in tool open, | ntervals and flowing an | d all drill-stem d shut-in pressu | ures | | | | | |
| | Formation | | Тор | Bottom | | Description | ons, Contents, e | etc. | Name | | | | |
| YATES QUEEN 2337 SAN ANDRES 3062 GLORIETA 4523 YESO TUBB 1437 2337 362 4523 4578 5946 | | | | | SAI DO SAI | LOMITE & ND & DOL LOMITE & | ANHYDRITE | QL SA | TES JEEN N ANDRES ORIETA | 1437 2337 3062 4523 | | | |
| 32. Addi | tional remarks | (include | plugging proc | edure) [.] | | | | | | | | | |
| 5320 | | IZE W/2 | 500 GALS 1, | 5% ACID. | | a sand, 30 |),614# 16/30 S | Siberprop | | | | | |
| |) - 5800 ACID) - 5800 FRAC | | | | 16/30 Otta | awa sand, | 28,819# 16/30 |) Siberprop |) | | | | |
| 1. El 5. St | e enclosed atta lectrical/Mecha undry Notice fo | anical Log or pluggin | g and cement | verification | 1 | Geologi Core Ar | nalysis | 7 | 3. DST Re 7 Other: | | 4. Directional Survey | | |
| 34 There | eby certify that | | Elect | ronic Subn Fo | nission #887 r COG OPI | 20 Verifie ERATING | orrect as determed by the BLM LLC, sent to the ERYLE RYAN | Well Informathe Carlsba | mation Sy | | ched instructions): | | |
| Nam | e(please print) | KANICI | A CARRILLO |) | **** | | Title | PREPARI | ER | | <u></u> | | |
| Signa | Signature (Electronic Submission) | | | | | | | Date 06/29/2010 | | | | | |
| | | -, | | | | ····· | | | | y to make to any de | | | |

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 fradulent statements or representations as to any matter within its jurisdiction.

Additional data for transaction #88720 that would not fit on the form

27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued

| Depth Interval | Amount and Type of Material |
|----------------|---|
| 5320 TO 5520 | gal 15% acid |
| 5320 TO 5520 | gal gel, 149474# 16/30 Ottawa sand, 30614# 16/30 Siberprop sand |
| 5600 TO 5800 | gal 15% acid |
| 5600 TO 5800 | gal gel, 143629# 16/30 Ottawa sand, 28819# 16/30 siberprop sand |

32. Additiónal remarks, continued

sand.