

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**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.

OCD Artesia

5. Lease Serial No.
NMNM7724

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
SANTA ELENA 19 FEDERAL 19. API Well No.
30-015-40567-00-S110. Field and Pool or Exploratory Area
WILDCAT11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLCContact: DANA KING
E-Mail: dking@concho.com3a. Address
600 W ILLINOIS AVENUE
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-818-22674. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 19 T16S R30E Lot 2 1650FNL 330FWL**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<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 checked="" 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 recompletable 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COG Operating LLC respectfully requests to recompletable the Santa Elena 19 Federal #1.

We plan to have our top perms from 3,100' ? 3,300'. Ideally, we like to have the additional space of rathole below our bottom perms to give our bottom hole assembly room and prevent tubing from getting stuck with sand. In addition to having desired rathole space, this gives COG the option to re-enter the paddock formation at a later time.

Please see the attached Proposed Recompletion Procedure, Current WBD and Proposed WBD.

NM OIL CONSERVATION
ARTESIA DISTRICT

APR 01 2019

GC 4/2/19
Accepted for record - NMOCD

RECEIVED

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #456193 verified by the BLM Well Information System

For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by PRISCILLA PEREZ on 02/27/2019 (19PP1174SE)

Name (Printed/Typed) DANA KING

Title SUBMITTING CONTACT

Signature (Electronic Submission)

Date 02/27/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Accepted for Record

MAR 29 2019

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

Jonathon Shepard
Carlsbad Field Office

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.

(Instructions on page 2)

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

Santa Elena 19 Federal #1H Proposed Recompletion Procedure 30-015-40567

We plan to have our top perfs from 3,100' – 3,300'. Ideally, we like to have the additional space of rathole below our bottom perfs to give our bottom hole assembly room and prevent tubing from getting stuck with sand. In addition to having desired rathole space, this gives COG the option to re-enter the paddock formation at a later time.

Equipment Pull Procedure

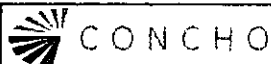
- RIH w/ perforating guns and perforate San Andres Zone from 3,100'-3,300', w/ 3 spf, 120° phasing, 54 holes
- Dump bail acid in the perf interval
- NU 5K frac valve
- Secure wellbore
- RDMO WSU

Tentative Recompletion Procedure

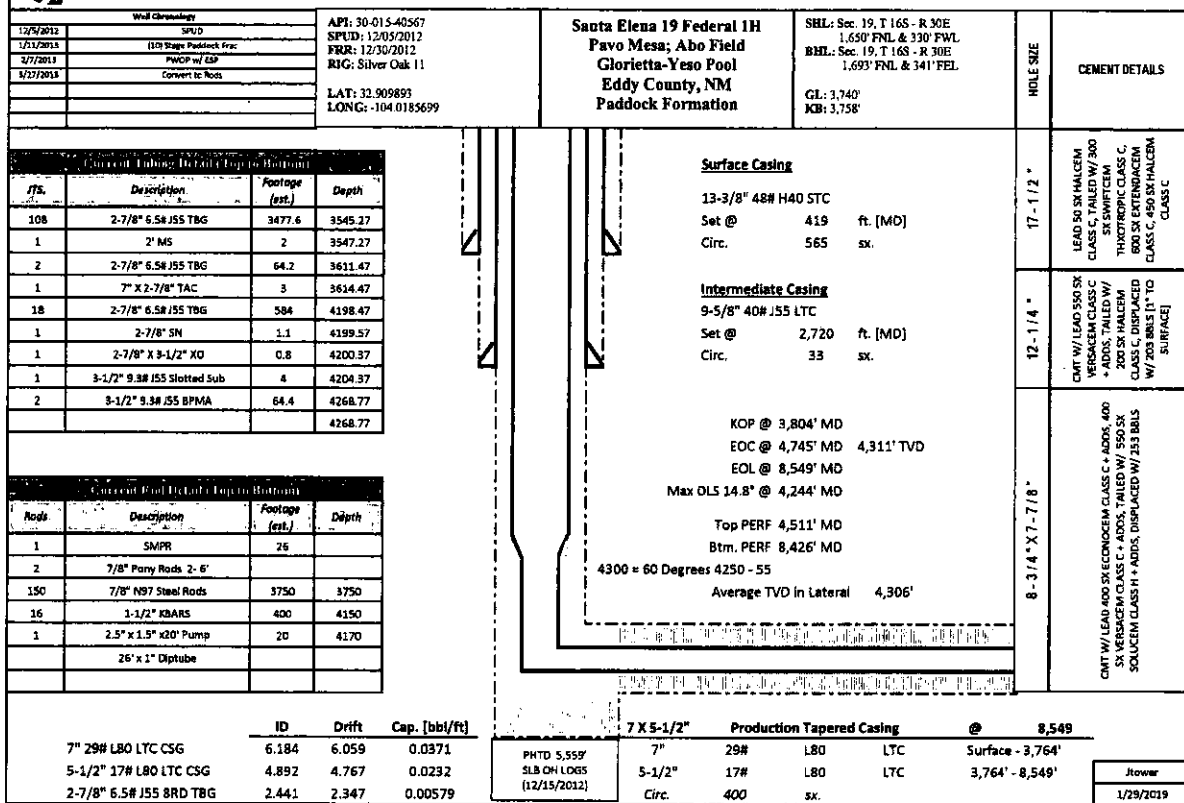
- RU Elite Well Services Frac Crew
- Acidize w/ 3,000 gals of 15% HCl.
- XL Frac zone w/ 200,000 # of sand.
- Record ISIP and FG, Get 5, 10, 15 min SIP
- RDMO Elite

Return to Production Procedure

- MIRU WSU
- RIH with bit and bailer to drill
- Clean out fill to new PBTD @ 4,200'
- RIH with production tubing as follows:
 - (97) jts 2-7/8" J55 6.5# tbg
 - (1) 2' marker joint
 - (2) jts 2-7/8" J55 6.5# tbg
 - **TAC @ 3,000'**
 - (27) jts 2-7/8" J55 6.5# tbg
 - **SN @ 4,097'**
 - (1) 20' MSMA
 - **EOT @ 4,117'**
- ND BOP, set TAC, flange up WH
- RIH w/ rod design as follows:
 - (1) 26' x 1-1/2" SMPR
 - (1) 6' x 3/4" rod sub
 - (2) 8' x 3/4" rod subs
 - (156) 3/4" D rods
 - (7) 1-5/8" K bars
 - (1) 25-150 RHBC-20' Pump
- Hang on, load tubing and note pump action and alignment
- Clean location
- PWOP
- RDMO, TOTP



CURRENT WELLBORE DIAGRAM





CONCHO

PROPOSED WELLBORE DIAGRAM

Well Chronology	
12/9/2011	SPAD
1/11/2012	108 Ings Padlock Proc
1/27/2012	WCDW/CDP
1/27/2012	Convert to Rod

API: 30-015-40567
 SPUD: 12/05/2012
 FRU: 12/05/2012
 RJG: Silver Oak 11
 LAT: 32.909893
 LONG: -104.0185699

Santa Elena 19 Federal 111
 Pavo Mesa: Abo Field
 Glorieta-Yeso Pool
 Eddy County, NM
 Padlock Formation

SHE: Sec. 19, T. 16S - R. 30E
 1.650' FNL @ 330' FNL
 BWM: Sec. 19, T. 16S - R. 30E
 1.693' FNL @ 341' FEL
 GL: 3.740'
 KB: 3.738'

HOLE SIZE

CEMENT DETAILS

Current Logging Data (Top to Bottom)			
JTK	Description	Footage (est.)	Depth
108	2-7/8" 6.5# J55 TBG	3477.6	3545.27
1	2" MS	2	3547.27
2	2-7/8" 6.5# J55 TBG	64.2	3611.47
1	7" X 2-7/8" TAC	3	3614.47
18	2-7/8" 6.5# J55 TBG	584	4198.47
1	2-7/8" SN	1.1	4199.57
1	2-7/8" X 3-1/2" XO	0.8	4200.37
1	3-1/2" 9.3# J55 Stomped Sub	4	4204.37
2	3-1/2" 9.3# J55 BPMMA	64.4	4268.77
			4268.77

Current Rod Data (Top to Bottom)			
Rods	Description	Footage (est.)	Depth
1	SMPR	26	
2	7/8" Pony Rods 2-6"		
150	7/8" N97 Steel Rods	3750	3750
16	1-1/2" KBARS	400	4150
1	2.5" x 1.5" x10' Pump	20	4370
	26" x 1" Diptube		

	ID	Drift	Cap. (bbl/ft)
7" 29# L80 LTC CSG	6.184	6.059	0.0371
5-1/2" 17# L80 LTC CSG	4.892	4.767	0.0232
2-7/8" 6.5# J55 BRD TBG	2.441	2.347	0.00579

PHTD 5.559'
 SUB OH LOGS
 (12/15/2012)

7 X 5-1/2"

Production Tapered Casing

@ 8,549

7"

29# L80 LTC

Surface - 3,764'

5-1/2"

17# L80 LTC

3,764' - 8,549'

Circ.

400 SK

ROWW
1/29/2019

Surface Casing

13-3/8" 48# H40 STC
 Set @ 419 ft. [MD]
 Circ. 565 SK

Intermediate Casing

9-5/8" 40# J55 LTC
 Set @ 2,720 ft. [MD]
 Circ. 33 SK

KOP @ 3,804' MD
 EOC @ 4,745' MD 4,311' TVD
 EOL @ 8,549' MD
 Max DLS 14.8" @ 4,244' MD
 Top PERF 4,511' MD
 Btm. PERF 8,426' MD

17-1/2"

12-1/4"

8-3/4" X 7-7/8"

LEAD 50 SK HALCEM
 CLASS C - TAILED W/ 300
 SK SWHETCEN
 THROTROPIC CLASS C
 600 SK EXTERNDACEM
 CLASS C - 450 SK HALCEM
 CLASS C

CMT W/ LEAD 50
 SK VERSACEM CLASS
 C - ADDS, TAILED W/
 200 SK HALCEM
 CLASS C DISPLACED
 W/ 50 BBL (1" TO
 SURFACE)

CMT W/ LEAD 400 SK ECONOCEM CLASS C - ADDS, 400 SK
 VERSACEM CLASS C - ADDS, TAILED W/ 500 SK SOLUCEM
 CLASS H - ADDS, DISPLACED W/ 255 BBL