

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.*5. Lease Serial No.
NMLC058181

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.8. Well Name and No.
BEECH FEDERAL 29. API Well No.
30-015-3179010. Field and Pool, or Exploratory
LOGAN DRAW WOLFCAMP11. County or Parish, and State
EDDY COUNTY, NM

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLCContact: KANICIA CARRILLO
E-Mail: kcarrillo@conchoresources.com3a. Address
550 WEST TEXAS AVE STE 1300
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 432-685-4332

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 25 T17S R27E 1650FSL 1650FEL

RECEIVED
MAR 03 2010
NMOCD ARTESIA

12. CHECK 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"/> 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 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 recomplate 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.)

Call PET to witness steps #7 & 9 on COA

COG Operating Recompletion Procedure

Additional Well info listed below procedure:

Objective: Set a CIBP over the Wolfcamp interval. Complete the Blinberry formation in three stages. Install 2 7/8" tbg and FG rods. Install pumping unit?

1. MIRU POH w rods & tbg. (224 jt 2 3/8" L-80 tbg SN@7021?, TAC@6828?, 95 ? 7/8", 182- ?? rods, 1.25" insert pump) Scan tbg while POH and send to Concho yard.
2. RIH w/5 ?? CIBP and set @6900? with 20 sks of Class C cmt on top. Test csg to 3500 psi for 10 minutes w kill truck. If csg tests good, then frac down csg. If not, then frac via 3 ?? N80 9.3 # work string.

3. RU wireline and perforate the first Blinberry stage as listed below. (1 spf; .41? EH)

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL****APPROVED****MAR 3 2010****BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE**

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

**Electronic Submission #81410 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad
Committed to AFMSS for processing by KURT SIMMONS on 02/16/2010 ()**

Name (Printed/Typed) KANICIA CARRILLO

Title PREPARER

Signature (Electronic Submission)

Date 02/15/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USEApproved By /s/ Myles Kristof

3 4104 1/SPF

Title Petroleum Engineer

Date

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

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.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **** *28 3/4/10*

✓ **Additional data for EC transaction #81410 that would not fit on the form**

32. Additional remarks, continued

Perf # Depth SPF

1 4390 1/SPF
2 4382 1/SPF
3 4374 1/SPF
4 4366 1/SPF
5 4358 1/SPF
6 4350 1/SPF
7 4342 1/SPF
8 4334 1/SPF
9 4326 1/SPF
10 4318 1/SPF
11 4310 1/SPF
12 4302 1/SPF
13 4294 1/SPF
14 4286 1/SPF
15 4278 1/SPF
16 4270 1/SPF
17 4262 1/SPF
18 4254 1/SPF
19 4246 1/SPF
20 4238 1/SPF
21 4230 1/SPF
22 4222 1/SPF
23 4214 1/SPF
24 4206 1/SPF
25 4198 1/SPF
26 4190 1/SPF

4. TIH w/2 7/8? J-55 6.4# tbg and PKR, Set PKR @4090?. Acidize perms 4190?-4390? with 2500 g 15% and 30 bio-balls. Swab test Lower Blinberry.

5. Frac the 1st stage Blinberry 4190?-4390? with 114,850 g 20# cross ling gel & 148,400 lbs 16/30 White and 30,000 lbs resin coated sand. (2x all sand ? 20# XL, 8 tanks)

6. Flowback

7. Set a 5 ?? CBP @ 4150? and test.

8. RU wireline and perforate the second Blinberry stage as listed below. (1 spf, .41? EH)

Perf # Depth SPF

1 4120 1/SPF
2 4112 1/SPF
3 4104 1/SPF
4 4096 1/SPF
5 4088 1/SPF
6 4080 1/SPF
7 4072 1/SPF
8 4064 1/SPF
9 4056 1/SPF
10 4048 1/SPF
11 4040 1/SPF
12 4032 1/SPF
13 4024 1/SPF
14 4016 1/SPF
15 4008 1/SPF
16 4000 1/SPF
17 3992 1/SPF
18 3984 1/SPF
19 3976 1/SPF
20 3968 1/SPF
21 3960 1/SPF
22 3952 1/SPF
23 3944 1/SPF
24 3936 1/SPF
25 3928 1/SPF
26 3920 1/SPF

9. Acidize Middle Blinberry 3920?-4120? with 2500 g 15% and bio-balls.

10. Frac the 2nd stage Blinberry with 114,850 g 20# cross ling gel & 148,400 lbs 16/30 White and 30,000 lbs resin coated sand. (2x all sand ? 20# XL, 8 tanks)

11. Flowback

12. Set a 5 ?? CBP @3885?

13. RU wireline and perforate the third Blinberry stage as listed below. (1 spf, .41? EH)

32. Additional remarks, continued

Perf # Depth SPF

1 3850 1/SPF
2 3842 1/SPF
3 3834 1/SPF
4 3826 1/SPF
5 3818 1/SPF
6 3810 1/SPF
7 3802 1/SPF
8 3794 1/SPF
9 3786 1/SPF
10 3778 1/SPF
11 3770 1/SPF
12 3762 1/SPF
13 3754 1/SPF
14 3746 1/SPF
15 3738 1/SPF
16 3730 1/SPF
17 3722 1/SPF
18 3714 1/SPF
19 3706 1/SPF
20 3698 1/SPF
21 3690 1/SPF
22 3682 1/SPF
23 3674 1/SPF
24 3666 1/SPF
25 3658 1/SPF
26 3650 1/SPF

14. Acidize the Upper Blinberry 3650?-3850? with 2500 g 15% and bio-balls.
15. Frac the third stage Blinberry 3650?-3850? with 114,850 g 20# cross ling gel & 148,400 lbs 16/30 White and 30,000 lbs resin coated sand. (2x all sand ? 20# XL, 8 tanks)
16. Flowback .
17. TIH w 2 7/8? tbg and drill out CBP @ 3885? and 4150? and clean out to PBTD ~ 6900?.
18. Set SN@ 4420? and TAC @ 3600?, 8 jt MA.
19. RIH w 2? insert trash pump,(24? long, double SV, single TV, grooved plunger, steel parts), 6- 1 5/8? Sinker bars, 95 ? 7/8? T66 or N97 rods, and 50 ? 1.25? FG rods.
20. Turn well to production.

COG Operating Procedure

Beech Federal #2

Logan Draw Field

Eddy County, NM

TWP: 18 S – Range: 32 E – Sec . 5

Additional Well info listed below procedure:

Objective: Set a CIBP over the Wolfcamp interval. Complete the Blinberry formation in three stages. Install 2 7/8" tbg and FG rods. Install pumping unit?

1. MIRU POH w rods & tbg. (224 jt 2 3/8" L-80 tbg SN@7021', TAC@6828', 95 – 7/8", 182- 3/4" rods, 1.25" insert pump) Scan tbg while POH and send to Concho yard.
2. RIH w/5 1/2" CIBP and set @6900' with 20 sks of Class C cmt on top. Test csg to 3500 psi for 10 minutes w kill truck. If csg tests good, then frac down csg. If not, then frac via 3 1/2" N80 9.3 # work string.
3. RU wireline and perforate the first Blinberry stage as listed below. (1 spf, .41" EH)

Perf #	Depth	SPF
1	4390	1/SPF
2	4382	1/SPF
3	4374	1/SPF
4	4366	1/SPF
5	4358	1/SPF
6	4350	1/SPF
7	4342	1/SPF
8	4334	1/SPF
9	4326	1/SPF
10	4318	1/SPF
11	4310	1/SPF
12	4302	1/SPF
13	4294	1/SPF
14	4286	1/SPF
15	4278	1/SPF
16	4270	1/SPF
17	4262	1/SPF
18	4254	1/SPF
19	4246	1/SPF
20	4238	1/SPF

21	4230	1/SPF
22	4222	1/SPF
23	4214	1/SPF
24	4206	1/SPF
25	4198	1/SPF
26	4190	1/SPF

-4120' with 2500 g 15% and bio-balls.

10. Frac the 2nd stage Blinberry with 114,850 g 20# cross ling gel & 148,400 lbs 16/30 White and 30,000 lbs resin coated sand. (2x all sand – 20# XL, 8 tanks)

11. Flowback

12. Set a 5 1/4" CBP @ 3885'

13. RU wireline and perforate the third Blinberry stage as listed below. (1 spf, .41" EH)

5. Frac the 1st stage Blinberry 4190'-4390' with 114,850 g 20# cross ling gel & 148,400 lbs 16/30 White and 30,000 lbs resin coated sand. (2x all sand – 20# XL, 8 tanks)

6. Flowback

7. Set a 5 1/2" CBP @ 4150' and test.

8. RU wireline and perforate the second Blinberry stage as li

Perf #	Depth	SPF
1	3850	1/SPF
2	3842	1/SPF
3	3834	1/SPF
4	3826	1/SPF
5	3818	1/SPF
6	3810	1/SPF
7	3802	1/SPF
8	3794	1/SPF
9	3786	1/SPF
10	3778	1/SPF
11	3770	1/SPF
12	3762	1/SPF
13	3754	1/SPF
14	3746	1/SPF
15	3738	1/SPF
16	3730	1/SPF
17	3722	1/SPF
18	3714	1/SPF
19	3706	1/SPF
20	3698	1/SPF
21	3690	1/SPF
22	3682	1/SPF
23	3674	1/SPF
24	3666	1/SPF
25	3658	1/SPF
26	3650	1/SPF

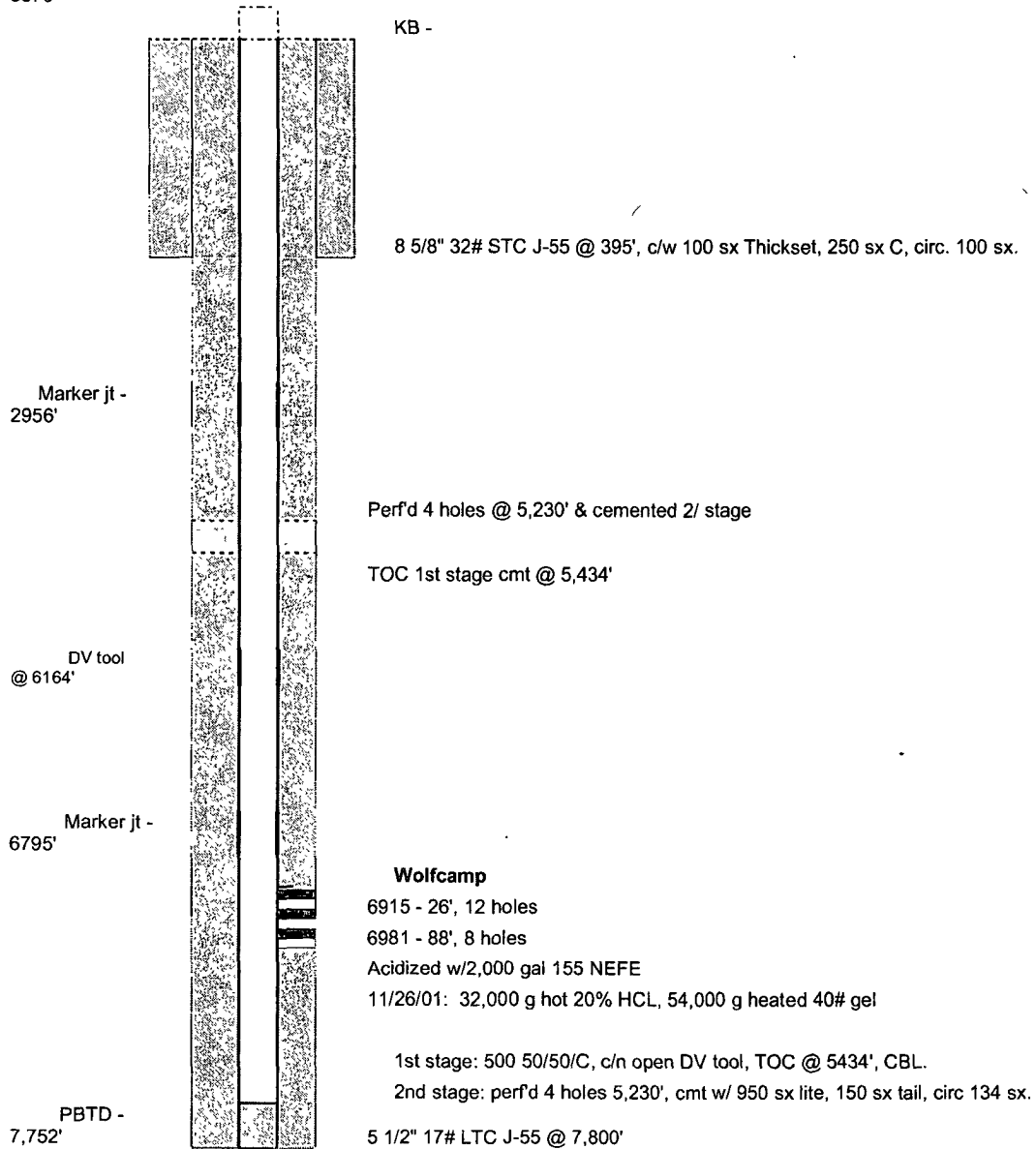
14. Acidize the Upper Blinberry 3650'-3850' with 2500 g 15% and bio-balls.
15. Frac the third stage Blinberry 3650'-3850' with 114,850 g 20# cross ling gel & 148,400 lbs 16/30 White and 30,000 lbs resin coated sand. (2x all sand – 20# XL, 8 tanks)
16. Flowback .
17. TIH w 2 7/8" tbg and drill out CBP @ 3885' and 4150' and clean out to PBTD ~ 6900'.
18. Set SN@ 4420' and TAC @ 3600', 8 jt MA.
19. RIH w 2" insert trash pump,(24' long, double SV, single TV, grooved plunger, steel parts), 6- 1 5/8" Sinker bars, 95 – 7/8" T66 or N 7 rods, and 50 – 1.25" FG rods.
20. Turn well to production.

Lease & Well # **Beech Federal
#2**

Co , NM

Spud -
5/31/01
Elevation -
3579'

Sec 5, T18S, 32E, 660 FNL & 660 FWL



**Beech Federal 2
30-015-31790
COG Operating LLC
February 25, 2010
Conditions of Approval**

1. Surface disturbance beyond the existing pad must have prior approval.
2. Closed loop system required.
3. Operator to have H2S monitoring equipment on location as H2S has been reported.
4. A minimum of a 2M BOP is required and must be tested prior to RIH. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
5. Contact BLM 575-361-2822 prior to starting recompletion.
6. Contact the BLM if casing does not test.
7. Need to pump 25 sacks on top of CIBP @ 6,900'.
8. Need 160' plug @ 6,632' to cover the top of the Wolfcamp (6,583').
9. Need 160' plug @ 6,214' to cover the DV tool (6,164'), WOC & Tag.
10. Need 150' plug @ 5,260' to cover the top of the Abo (5,210').
11. Subsequent sundry and completion report required.

MAK 030210