

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.
30-015-32238

5. Indicate Type of Lease

STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Federal 12 Com

8. Well Number
002

9. OGRID Number
162683

10. Pool name or Wildcat
Burton Flat; Morrow (Pro Gas)

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
Cimarex Energy Co. of Colorado

3. Address of Operator
600 N. Marienfeld, Ste. 600; Midland, TX 79701

4. Well Location

SHL Unit Letter J : 2080 feet from the South line and 1327 feet from the East line
Section 2 Township 21S Range 26E NMPM County Eddy

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3185' 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: _____ Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
OTHER: ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER: ☐

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.

Well currently producing from Morrow 11896-11906.' Morrow @ 11983-11992' under CIBP @ 11960.' Morrow @ 12048-12058' and 12082-12087' under CIBP @ 12034.' Cimarex proposes to drill out CBPs @ 11960' and 12034' and add Morrow, then acidize and frac old and new perms as shown below and on the attached procedure.

Drill out CIBPs @ 11960' and 12034.'

Perf Morrow 11855-59, 11810-22, 11799-803, 11789-91, 11772-774 spf, 101 holes.

Set treating packer @ 11930' and acidize 11983-12087 w/ 2500 gal 7.5% KCl and 294 ball sealers.

Set treating packer @ 11750' and acidize 11772-11859' w/ 2500 gal 7.5% KCl and 202 ball sealers.

Frac all Morrow zones with 89242 gal 30# Linear Gel and 255000# Versaprop.

Flowback frac and install production tubing, then return to sales.

RECEIVED

SEP 28 2010

NMOCD ARTESIA

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 Natalie Krueger TITLE Regulatory DATE September 27, 2010

Type or print name Natalie Krueger email address: nkrueger@cimarex.com Telephone No. 432-620-1936

For State Use Only

APPROVED BY: [Signature] TITLE Dist. H Supervisor DATE 09/29/2010

Conditions of Approval (if any):

FEDERAL 12 COM #2 MORROW RECOMPLETION

API # 30-015-32238

SHL - 2080' FSL & 1327' FEL Sec. 2

BHL - 1075' FNL & 877' FWL Sec. 12

T-21-S, R-26-E

Eddy County, New Mexico

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NMOCD ARTESIA

GL : 3185'
 KB : 3205'
 TVD : 12,334'
 PBSD: 11,940'
 SURF CSG : 13-3/8" OD 48#/FT H-40 ST&C @ 600' W/ 540 SX CMNT CIRC TO SURFACE
 INTER CSG: 9-5/8" OD 36 #/FT J-55 ST&C @ 2243' W/ 670 SX CMNT CIRC TO SURFACE
 PROD CSG : 5-1/2" 17# P-110 LT&C @ 12340' W/ 1800 SX CMNT DV @ 8500' TOC @ 1490' BY TS
 CIBP : 12004'
 CIBP : 11960' W/ 20' CMNT
 TUBING : 2-7/8" 6.5# L-80 8rd TUBING TO 11874', FLOWING
 PERFS : MORROW 12082'-12087' W/ 6 SPF - UNDER PLUG - NO STIM
 MORROW 12048'-12058' W/ 6 SPF - UNDER PLUG - NO STIM
 MORROW 11983'-11992' W/ 6 SPF - UNDER PLUG - NO STIM
 MORROW 11896'-11906' W/ 6 SPF - PRODUCING - ACIDIZED W/2500 GALS 7-1/2%
 FRAC W/ 20K GALS FOAM & 39K# 18/40 VERSAPROP.

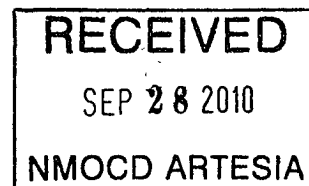
5-1/2" 17# P-110 LT&C : ID=4.892", DRIFT=4.767", BURST=10,640#, COLLAPSE=7460#, CAPACITY=.0232 bbls/ft.

RECOMPLETION

PERFS	TOP PERF	LOWR PERF	NET ft.	ACID gals	SPF	PERFS	ZERO HOLE	2 balls/perf	ACIDIZE	FRAC
new	11772	11774	2	200	4	8	9	18	new perfs 2500 gals 7-1/2%	frac all perfs together down csg.
new	11789	11791	2	200	4	8	9	18		
new	11799	11803	4	400	4	16	17	34		
new	11810	11822	12	1200	4	48	49	98		
new	11855	11859	4	400	4	16	17	34		
prod	11896	11906	10	1000	6	60	61	122	no acid	
old	11983	11992	9	900	6	54	55	110	old perfs 2500 gals 7-1/2%	
old	12048	12058	10	1000	6	60	61	122		
old	12082	12087	5	500	6	30	31	62		

- 1.) MIRU PULLING UNIT. TOO H W/ 2-7/8" TBG. RU WL. SET 5-1/2" RBP @ 11,800'. LOAD HOLE AND TEST CSG TO 4000 PSIG. RUN CBL FROM 11,800' TO DV TOOL AT 8500', NOTE TOC. RIH W/ TBG & RTRVING HEAD. SWAB FL DOWN TO 9000'. RETRIEVE 5-1/2" RBP.
- 2.) RU AIR FOAM UNIT. RIH W/ 4-5/8" BIT ON 2-7/8" TBG. DRILL OUT CIBP AND CEMENT @ 11,940' DRILL OUT CIBP @ 12,004'. RUN BIT ACROSS OLD PERFS TO 12,100'.
- 3.) RU LUBRICATOR. RIH W/ 3-1/2" CSG GUNS AND PERF UPPER MORROW ZONES (11,855'-59' W/ 4 SPF, 17 HOLES) (11,810'-22' W/ 4 SPF, 49 HOLES) (11,799'-803' W/ 4 SPF, 17 HOLES) (11,789'-91' W/ 4 SPF, 9 HOLES) (11,772'-774' W/ 4 SPF, 9 HOLES). CORRELATE TO SCHLUMBERGER OPEN HOLE LOG DATED 4/28/03.

- 4.) MIRU STIMULATION CO. RIH W/ 5-1/2" RBP AND 5-1/2" TREATING PKR ON 2-7/8" TUBING. SET 5-1/2" RBP @ 12,150'. SET 5-1/2" TREATING PKR @ 12,100' TEST TOOLS TO 1000 PSIG. RELEASE 5-1/2" PKR @ 12,100'. PU AND SET 5-1/2" TREATING PKR @ 11,930'.
- 5.) ACIDIZE OLD PERFS (11,983'-992') (12,048'-58') (12,082'-87') W/ 2500 gals 7-1/2% KCL AND 294 BALL SEALERS DOWN 2-7/8" TBG. RECORD FALL-OFF DATA FOR 15 MIN.
- 6.) RELEASE 5-1/2" TREATING PKR @ 11,930'. PU 5-1/2" RBP @ 12,150'. SET 5-1/2" RBP @ 11,880'. SET 5-1/2" TREATING PKR @ 11,870'. TEST TOOLS TO 1000 PSIG. RELEASE 5-1/2" TREATING PKR @ 11,870'. PU AND SET 5-1/2" TREATING PKR @ 11,750'.
- 7.) ACIDIZE NEW PERFS (11,772'-74') (11,789'-91') (11,799'-803') (11,810'-22') (11,855'-59') W/ 2500 gals 7-1/2% KCL AND 202 BALL SEALERS DOWN 2-7/8" TBG. RECORD FALL OFF DATA FOR 15 MIN.
- 8.) RELEASE 5-1/2" TREATING PKR @ 11,750'. PU 5-1/2" RBP @ 11,880'. TOO H W/ 5-1/2" RBP, 5-1/2" TREATING PKR, 2-7/8" TUBING.
- 9.) RU FRAC EQUIPMENT. RU TREE SAVER. FRAC ALL MORROW ZONES DOWN 5-1/2" CSG AS PER FRAC RECOMMENDATION. MAX SURFACE TREATING PRESSURE = 8,500 PSI.
- 10.) FLOWBACK FRAC TO FRAC TANKS. FLOW ZONE RECORDING HOURLY FLUID RECOVERIES AND/OR FLUID LEVELS.
- 11.) RIH W/ 2-7/8" TBG AND GAS-LIFT VALVES. CONFIGURE BATTERY FOR GAS-LIFT OPERATIONS. TURN TO SALES.





Cimarex Energy Co. of Colorado

Federal 12 Com #2

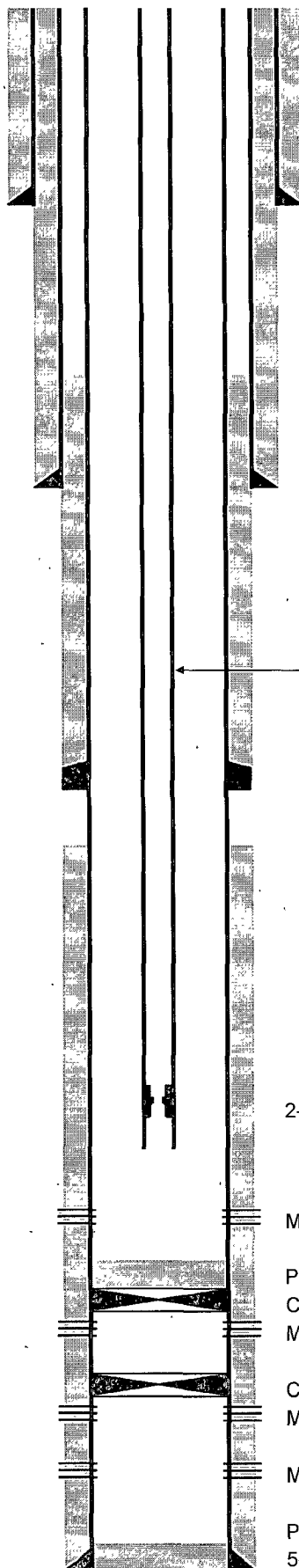
SHL - 2080' FSL & 1327' FEL Sec 2

BHL - 1075' FNL & 877' FWL Sec. 12

T-21-S, R-26-E, Eddy Co, NM

S. Gengler

02/11/2010



13-3/8", 48# H-40 csg @ 600'
cmtd w/ 540 sx, cmt circ.

TOC @ 1490' by TS

9-5/8", 36# J-55 csg @ 2243'
cmtd w/ 6700 sx, cmt circ.

381 jts 2-7/8" 6.5# L-80 Tbg

DV Tool @ 8500'
cmtd w/ 1000 sx

TOC N/A

2-7/8" SN @ 11874'

Morrow perfs (11896' - 11906')

PBTD @ 11940'

CIBP @ 11960'

Morrow perfs (11983' - 11992')

CIBP @ 12004'

Morrow perfs (12048' - 12058')

Morrow perfs (12082' - 12087')

PBTD @ 12306'

5-1/2" 17# P-110 @ 12340' cmtd w/ 800 sx

TD @ 12334'