

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.
30-025-35971

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Pennzoil 36 State Com

8. Well Number
002

9. OGRID Number
162683

10. Pool name or Wildcat
Quail Ridge; Morrow

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
PO Box 140907; Irving, TX 75014-0907

4. Well Location
SHL Unit Letter A : 1050 feet from the North line and 1210 feet from the East line
Section 36 Township 19S Range 33E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3617' 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: _____ Recomplete to Strawn ☒

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 producing from Morrow perms @ 13021'-13026' (CIBP @ 13140' over Morrow perms @ 13456'-13533' w/ 35' cmt).
Cimarex proposes to re-enter, set a CIBP @ 13000' w/ 35' cmt, and perform the following operations:

Perf Strawn 12170'-12210' 6 spf, 90 holes.

Acidize and frac per attached procedure.

Turn to sales as flowing Gem; Strawn, East oil well. Install pump when well stops flowing.

Please see attached C-102 and Recompletion procedure.

RECEIVED

MAR 14 2008

HOBBS OCD

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 Analyst DATE March 6, 2008

Type or print name Natalie Krueger email address: nkrueger@cimarex.com Telephone No. 469-420-2723

For State Use Only

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER

DATE MAY 16 2008

Conditions of Approval (if any):

API # 30-025-35971
1050' FNL & 1210' FEL
Section 36, 19S, R-33E
Lea County, New Mexico

GL : 3617'
KB : 3640'

TD DRILLER :	13700'	PBTD:	13,140' CIBP
SURF CSG :	13-3/8" OD 48#/FT H-40 AT 527' W/ 550 SX. TOC 0' (CIRC)		
INTER CSG:	9-5/8" OD 40#/FT J-55 AT 4676' W/ 2300 SX. TOC UNKNOWN		
INTER CSG :	5-1/2" OD 17# N-80/P-110 @ 13700' W/ 2150 SX.TOC 600' (CBL) DV TOOL AT 9028' (9007' PER CBL)		
PROD CSG:	4" 10.46# P-110 CMFJ4 CASING AT 13636' W/ 339 SX (TOC 11,702' CBL) DRIFT=3.351", BURST=12610 PSI, CAPACITY=0.4930 GAL/LF		
TUBING:	2-3/8" 4.7# N-80 HYDRIL AT 12982' (0.1624 GAL/FT)		
PERFS:	MIDDLE MORROW:	13021'-26' CIBP AT 13,140'	
		13,162-13,323' OVERALL;	CIBP W/ 1 SX CMT AT 13,430'
	LOWER MORROW: 13,456-13,533' OVERALL (SEE WBD FOR DETAIL)		

1. APPLY FOR NON-STANDARD STRAWN LOCATION. MUST HAVE NON-STANDARD APPROVAL BEFORE PRODUCING STRAWN.
2. SPOT 1-500 BARREL FRAC TANK FULL OF 4% KCL WATER. MIRU PULLING UNIT. CHECK WELLHEAD FOR PRESSURE. KILL TUBING AND CASING IF NECESSARY. IF NO PRESSURE, ND WELLHEAD AND NU BOPS. TOH WITH TUBING AND PACKER.
3. RIG UP WIRELINE. MAKE GAUGE RING RUN AND RIH W/ CIBP AND SET AT +/-13,000'. DUMP BAIL **35'** CEMENT ON TOP OF PLUG. RIG UP CASING SAVER. LOAD HOLE AND TEST CASING TO **9500 PSI**. RD CASING SAVER. PERFORATE **STRAWN** AT THE FOLLOWING DEPTHS USING 2-7/8" CASING GUNS, 6 SPF, 60 DEG PHASING, PJ2906 HMX 16 G CHARGES AS FOLLOWS (CORRELATING TO CBL FROM 10/09/2007):

ZONE	INTERVAL		FOOTAGE	HOLES
	TOP	BOTTOM		
Strawn	12170.0	12179.0	9.0	54
Strawn	12204.0	12210.0	6.0	36
TOTAL			15	90

RDMO WIRELINE.

4. PU AND TIH WITH 2-3/8"X4" TREATING PACKER ON 2-3/8" L-80 PRODUCTION TUBING TO 12,100. (**NOTE:** DURING LAST RIG UP, HAD TO REMOVE 1 DRAG SPRING BAR TO GET PACKER IN THE HOLE.)TEST TUBING IN THE HOLE TO 8000 PSI. MIRU ACID COMPANY. ACIDIZE STRAWN PERFORATIONS USING 3000 GAL 10% HCL STRAWN ACID W/ 120 BALL SEALERS. MAXIMIZE RATE WHILE PUMPING AT MAX PRESSURE 8000 PSI DURING ACID JOB. (TUBING WAS PREVIOUSLY TESTED TO 10000# DURING OCTOBER WORKOVER.) SWAB BACK ACID LOAD UNTIL PH >5.5. REPORT ENTRY AND CUT TO MIDLAND OFFICE.
5. KILL TUBING AND TOH WITH TUBING AND PACKER. SET AND FILL TWO FRAC TANKS WITH 4% KCL WATER FOR FRAC. FRAC WILL BE DOWN CASING UNLESS CASING LEAKED IN STEP 3.
6. NIPPLE UP CASING SAVER AND FLOWBACK MANIFOLD. RIG UP FOR IMMEDIATE FLOWBACK. TEST LINES TO 10,000 PSI. FRAC STRAWN PER RECOMMENDATION USING

80,000# 18/40 ULTRAPROP. RECORD ISIP, 5, 10 AND 15 MINUTE PRESSURES.
FLOWBACK WELL TO FRAC TANK UNTIL IT FLOWS DOWN.

7. IF NECESSARY, RUN IN HOLE WITH WIRELINE GAUGE RING BEFORE RUNNING THE
ARROWSET PACKER WITH PLUG INSTALLED. RIH W/ ON-OFF TOOL ON 2-3/8"
PRODUCTION STRING. LATCH ONTO PACKER. REMOVE PLUG FROM TUBING AND
NIPPLE UP TUBING TO BEGIN PRODUCING WELL.

CIMAREX ENERGY CO.

SPUDDED 9/5/02

PENNZOIL 36 STATE COM #2

API 30-025-35971

CURRENT COMPLETION

Sherry Reid Carroll 10/24/02

KB: 3640'

DF: 3639'

GL: 3617'

1050' FNL & 1210' FEL

Sec 36, T-19-S, R-33-E

Lea Co, New Mexico

Casing Strings:

20" OD conductor @ 40'
w/ ready mix cmt

13-3/8" (17-1/2" hole), 48#, H-40
@ 527' w/ 550 sx cmt
TOC @ surface - circ

9-5/8" (12-1/4" hole), 40#, J-55
@ 4676" (unable to wash deeper)
w/ DV pkr @ 3496'
1st stg - 400 sx - no returns thruout job
2nd stg - 1900 sx

5-1/2" (8-3/4" hole), 17#, P-110 & N-80
@ 13,700' w/ DV @ 9007'
1st stg - 950 sx cmt (circ off DV)
2nd stg - 1200 sx cmt
TOC 600' (CBL 10/24/02)

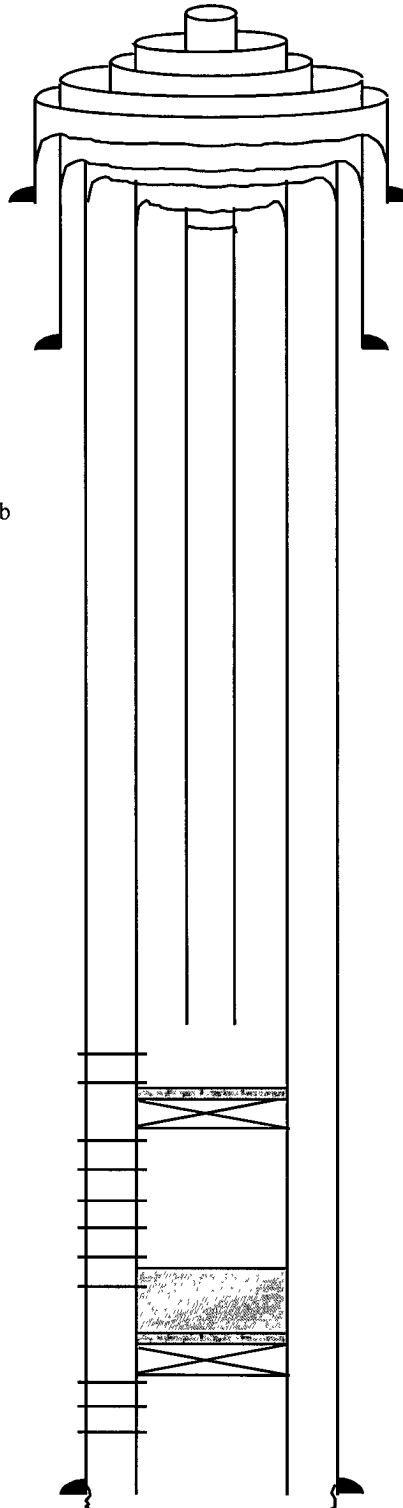
4" 10.46# P110 CMFJ4 @ 13636'
Cmt w/339 sx

Morrow Perfs:

13021-26'

13162-66'
13180-90'
13217-30'
13238-46'
13259-66'
13320-23' } 6 SPF (231 holes 0.32")

13456-59'
13470-80'
13527-33' } 6 SPF (2 3/8" csg guns)



TD = 13,700'

5 1/2" Csg collapsed 2507-30'
Swaged to 4 1/16", Milled to 4 3/4"

Tubing Detail: (10/16/07)

2 3/8" CS Hydril Pin x 2 3/8" CS
Hydril Pin 1.20'
422 jts 2 3/8" 4.7# 1.90 ID Hydril
tbg 12956.24'
2 3/8" CS Hydril Box x 2 3/8" 8rd
pin X-Over .90'
2 3/8" SN (screwed into CS Hydril
box above) 1.10'
KB 23.00'
EOT 12982.44'

CIBP 13140' w/ 35'cmt

Sand fill 13317' (4/2/03)

CIBP 13430' w/1 sx Cl 'H' (3/12/03)

Original PBTD = 13607'
(13580' WLD)

Updated 03-06-08, NEK

CIMAREX ENERGY CO.

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4" 10.46# P110 CMFJ4 @ 13636'
Cmt w/339 sx

Strawn Perfs:

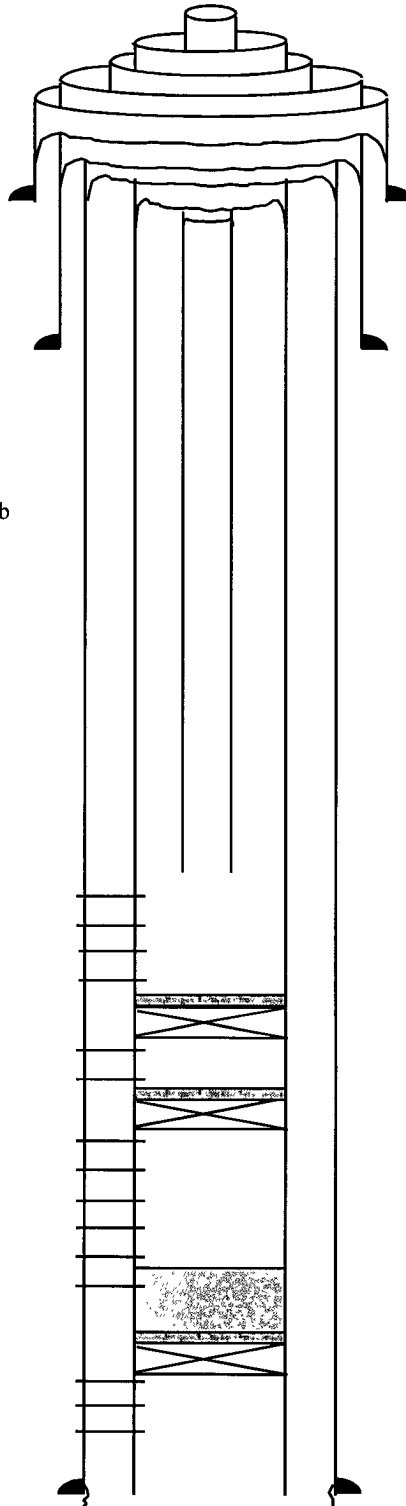
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