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OCT 23 2009

HOBBS

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.

CCD-HOBBS

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM-4315
2. Name of Operator Cimarex Energy Co. of Colorado		6. If Indian, Allottee or Tribe Name
3a. Address 600 N. Marienfeld St., Ste. 600; Midland, TX 79701	3b. Phone No (include area code) 432-571-7800	7. If Unit or CA/Agreement, Name and/or No
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 660 FSL & 660 FEL 8-19S-34E		8. Well Name and No Pipeline A 8 Federal No. 2
		9. API Well No. 30-025-35632
		10. Field and Pool, or Exploratory Area Quail Ridge; Morrow, North
		11. County or Parish, State Lea County, NM

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 checked="" type="checkbox"/> Other <u>Plug Morrow & Wolfcamp & Recomplete to Bone Spring</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, included 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.)

The Pipeline A 8 Federal No. 2 was completed in 2002 in Morrow with perfs @ 13443-517.' Bad casing and squeeze perfs @ 13376-377' are isolated between packers @ 13299' and 13400.' Well has been shut in since 05-08. Cimarex proposes to perform the following operations to plug Morrow and recomplete to Bone Spring:

- Kill well if necessary. Release packer @ 13299.' Set CIBP @ 13400' w/ 25 sx cmt, tag @ 13245.' PU and spot 35 sx Class H cmt plug @ 12963' to abd Morrow. PU and spot 35 sx Class H cmt plug @ 10885' to abd Wolfcamp.
- Perforate Bone Spring interval from 10075-10090' and 9460-9473' 3 spf, 96 holes.
- Set RBP @ 10120' and treating packer @ 10040.' Break down perfs 10075-10090' w/ 1500 gal 15% NeFe Bone Spring Acid blend and 70 ball sealers.
- Release treating packer and move RBP tp 9500.' Set treating packer @ 9420.' Break down perfs 9460-9473' w/ 1300 gal 15% NeFe Bone Spring Acid Blend and 60 ball sealers. Release RBP and treating packer.
- RIH w/ 2 7/8" tubing and set EOT @ 10150.' Install pumping equipment and obtain Bone Spring production test. Produce if economical.

Please see attached procedure and Bone Spring C-102.

SEE ATTACHED FOR
SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14 I hereby certify that the foregoing is true and correct Name (Printed/Typed) Natalie Krueger		Title Regulatory
Signature <i>Natalie Krueger</i>		Date September 24, 2009

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE		Date SEP 28 2009
Approved by	Title	
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	

Wesley W. Ingham
WESLEY W. INGHAM
PETROLEUM

Title 18 U.S.C. Section 1001, makes 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.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 & Natural Resources Department

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OCT 23 2009
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WATER CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-35632		¹ Pool Code 50460		¹ Pool Name Quail Ridge; Bone Spring ✓	
⁴ Property Code 300538		⁴ Property Name Pipeline A 8 Federal			⁴ Well Number 002
⁷ OGRID No. 162683		⁴ Operator Name CIMAREX ENERGY CO. OF COLORADO			⁸ Elevation 3785' GL

¹⁰ Surface Location

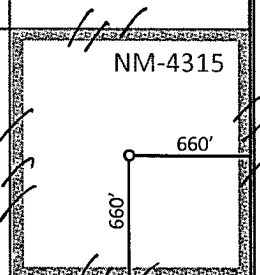
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	19S	34E		660	South	660	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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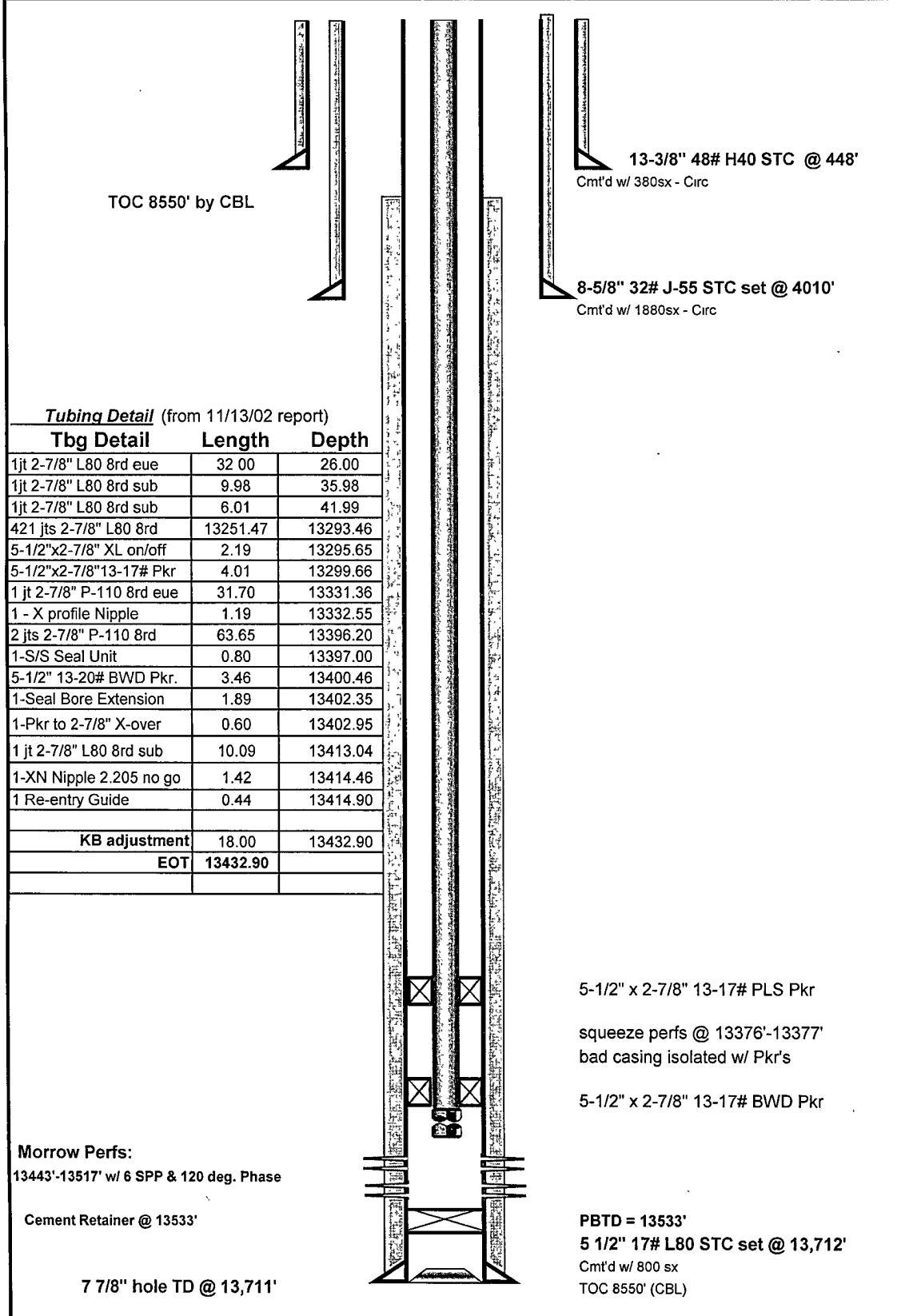
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>Zeno Farris</u> 9/21/2009 Signature Date Zeno Farris Printed Name	
				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey Signature and Seal of Professional Surveyor	
				Certificate Number 	

Pipeline A 8 Fed #2	Perforations			Casing			
Field : Quail Ridge	Reservoirs	From	To	Size	Weight	Grade	Depth
KB : 18.00	Morrow	13443'	13517'	13 3/8	48	H-40 STC	448
Legals : 660' FSL & 660' FEL				8 5/8	32	J-55 STC	4,010
Sec 8 T-19-S R-34-E				5 1/2	17	L-80 STC	13,712
API 30-025-35632							
Lea Co., New Mexico							
				Tubing			
				Size	Weight	Grade	Depth
				2-7/8"	8rd eue	L80	13,432

Updated 7/29/09, BAS

Drawing Not To Scale



TOC 8550' by CBL

13-3/8" 48# H40 STC @ 448'
Cmt'd w/ 380sx - Circ

8-5/8" 32# J-55 STC set @ 4010'
Cmt'd w/ 1880sx - Circ

Tubing Detail (from 11/13/02 report)

Tbg Detail	Length	Depth
1jt 2-7/8" L80 8rd eue	32.00	26.00
1jt 2-7/8" L80 8rd sub	9.98	35.98
1jt 2-7/8" L80 8rd sub	6.01	41.99
421 jts 2-7/8" L80 8rd	13251.47	13293.46
5-1/2"x2-7/8" XL on/off	2.19	13295.65
5-1/2"x2-7/8"13-17# Pkr	4.01	13299.66
1 jt 2-7/8" P-110 8rd eue	31.70	13331.36
1 - X profile Nipple	1.19	13332.55
2 jts 2-7/8" P-110 8rd	63.65	13396.20
1-S/S Seal Unit	0.80	13397.00
5-1/2" 13-20# BWD Pkr.	3.46	13400.46
1-Seal Bore Extension	1.89	13402.35
1-Pkr to 2-7/8" X-over	0.60	13402.95
1 jt 2-7/8" L80 8rd sub	10.09	13413.04
1-XN Nipple 2.205 no go	1.42	13414.46
1 Re-entry Guide	0.44	13414.90
KB adjustment	18.00	13432.90
EOT	13432.90	

5-1/2" x 2-7/8" 13-17# PLS Pkr
squeeze perms @ 13376'-13377'
bad casing isolated w/ Pkr's

5-1/2" x 2-7/8" 13-17# BWD Pkr

Morrow Perfs:
13443'-13517' w/ 6 SPP & 120 deg. Phase

Cement Retainer @ 13533'

7 7/8" hole TD @ 13,711'

PBTD = 13533'
5 1/2" 17# L80 STC set @ 13,712'
Cmt'd w/ 800 sx
TOC 8550' (CBL)

**PIPELINE A 8 FEDERAL #2
BONE SPRING RECOMPLETION**

API # 30-025-35632
660' FSL & 660' FEL
Section 8, T19S, R34E
Lea County, New Mexico

GL : 3785'
KB : 18'
TD DRILLER : 13711'
PBSD : 13533'
SURF CSG : 13-3/8" OD 48#/FT H-40 @448' Cmtd W/380 SX.(CIRC)
INTER CSG : 8-5/8" OD 32#/FT J-55 @4010' Cmtd W/1880 SX. (CIRC)
PROD CSG : 5-1/2" 17# L-80 @13712' Cmtd W/800 SX TOC@8550'- CBL
PERMANENT PACKER : 13400'
BAD CASING : 13376'
PLS PACKER : 13299'
TUBING: 2-7/8" L-80 8rd (423 JOINTS). EOT @ 13433'
MORROW PERFS : 13443'-13517'

BONE SPRING

1. MIRU PULLING UNIT. PERFORM PRE-JOB SAFETY MEETING. ND WELLHEAD NU BOPS. SOFT KILL WELL IF NECESSARY. RELEASE 2-7/8" TUBING FROM COMPRESSION PACKER AT 13299'. STING OUT OF 5-1/2" PERMANENT PACKER AT 13,400'. TOOH W/ 5-1/2" COMPRESSION PACKER AND 2-7/8" TUBING. STAND BACK 162 STDS OF TBG, LD REMAINING 97 JTS OF 2 7/8" TBG.
2. DO NOT BEGIN CONSTRUCTION OF BATTERY OR PUMPING UNIT UNTIL ZONE HAS BEEN TESTED AND APPROVED TO MOVE FORWARD BY MIDLAND ENGINEERING.
3. RIH W/ 5-1/2" CIBP ON 2-7/8" TUBING. SET 5-1/2" CIBP AT 13,400'. SPOT 25sx CL(H) CMNT ON TOP OF CIBP. PU AND WOC THEN TAG TOC AT ~ 13245'.
4. LOAD HOLE W/ 2% KCL WATER AND TEST TO 3000 PSIG.
5. PU AND SPOT 35sx CL(H) CMNT AT 12963' TO ABANDON MORROW.
6. PU AND SPOT 35sx CL(H) CMNT AT 10885' TO ABANDON WOLFCAMP.
7. RIH W/ 4" PERFORATING GUNS. PERFORATE BONE SPRING INTERVAL FROM 10075'-10090' AND 9460'-9473' USING 3 SPF W/ 120 DEG. PHASING 86 HOLES. CORRELATE TO OPEN HOLE HALLIBURTON NEUTRON-DENSITY LOG DATED 5/30/2002. MONITOR FLUID LEVEL IN AND OUT OF HOLE.
8. RIH WITH 5-1/2" RBP W/ BALL CATCHER AND 5-1/2" TREATING PACKER ON 2-7/8" TUBING, TESTING TUBING IN HOLE TO 8000 PSI. SET 5-1/2" RBP W/ BALL CATCHER @ 10120'. PULL UP AND SET 5-1/2" TREATING PACKER AT 10040'.
9. RU BJ STIMULATION. BREAKDOWN PERFORATIONS FROM (10075'-10090') USING 1500 GALLONS 15% NEFE BONE SPRING ACID BLEND AND 70 BALL SEALERS. MAX RATE 8 BPM MAX PRESSURE = 5500 PSI. **RECORD 1 SECOND DATA FOR 1 HOUR FOLLOWING ACID JOB.** SWAB PERFS DOWN TO SN ON DAY OF ACID JOB. RECORD CUT AND FLUID ENTRY FOR THE FIRST RUN THE FOLLOWING DAY. CONTINUE SWABBING AND REPORT RESULTS TO ENGINEERING.

10. RELEASE 5-1/2" TREATING PACKER AT 10040'. GO DOWN AND PICK UP 5-1/2" RBP W/ BALL CATCHER AT 11020'. SET 5-1/2" RBP W/ BALL CATCHER AT 9500'. PULL UP AND SET 5-1/2" TREATING PACKER AT 9420'.
11. BREAKDOWN PERFORATIONS FROM (9460'-9473') USING **1300** GALLONS 15% NEFE BONE SPRING ACID BLEND AND 60 BALL SEALERS. MAX RATE 8 BPM MAX PRESSURE = 6000 PSI. **RECORD 1 SECOND DATA FOR 1 HOUR FOLLOWING ACID JOB.** SWAB PERFS DOWN TO SN ON DAY OF ACID JOB. RECORD CUT AND FLUID ENTRY FOR THE FIRST RUN THE FOLLOWING DAY. CONTINUE SWABBING AND REPORT RESULTS TO ENGINEERING.
12. RELEASE TREATING PACKER AT 9420'. GO DOWN AND PICK UP RBP AT 9500'. TOOH W/ PACKER, RBP, AND 2-7/8" TUBING.
13. RIH WITH 2-7/8 TUBING AND BHA CONFIGURED FOR PUMPING AND SET EOT @ ~10,150'.
14. INSTALL PUMPING EQUIPMENT AND OBTAIN PRODUCTION TEST FROM BONE SPRING PAY.
15. HAVE BJ MONITOR SCALE INHIBITOR RESIDUALS MONTHLY. OBTAIN DYNO CARD AND FLUID LEVEL AFTER WELL HAS BEEN PUMPING FOR 10 DAYS.

**Pipeline A 8 Federal No. 2
30-025-35632
Cimarex Energy Co. of Colorado
September 28, 2009
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 from nearby wells and the Bone Spring formation.**
- 4. Notify BLM at 575-393-3612 a minimum of 24 hours prior to commencing work.**
- 5. A minimum of a 3M BOP to be installed and tested.**
- 6. Plug in step five to be a minimum of 230' in length.**
- 7. Plug in step six to be a minimum of 210' in length.**
- 8. Submit subsequent sundry detailing operations.**
- 9. Submit new completion report.**

WWI 092809