

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007Month - Year
MAR - 8 2007
OCD - ARTESIA, NM

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.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator CLAYTON WILLIAMS ENERGY, INC.

3a. Address
SIX DESTA DRIVE, STE. 3000, MIDLAND TX 797053b. Phone No. (include area code)
432.682.63244. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC. 8, T22S, R22E
1980 FSL & 1977 FEL; UL J

5. Lease Serial No.

NMNM 111938

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

ROCKY ARROYO FEDERAL 8 #1

9. API Well No.

30-015-20486

10. Field and Pool, or Exploratory Area

CAWLEY DRAW (GLORIETTA/YESO)

11. County or Parish, State W/C Abo Bone Spring

EDDY CO., 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 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 recompleat 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 recompleat 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.)

Proposed Completion in the Yeso:

As per the attached procedure, perforate, treat and test the Yeso formation from 1918' - 3254' for production. Please note the four zones will be perforated and tested separately.

Reference BLM Bond No. NM2787 (Surety Bond No. RLB0002027)

SEE ATTACHED FOR
CONDITIONS OF APPROVAL14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

BETSY LUNA

Title ENGINEERING TECHNICIAN

Signature

Betsy Luna

Date

Feb. 21, 2007

THIS SPACE FOR FEDERAL OR STATE OFFICE APPROVAL

Approved by

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.

Title

Office

Date

MAR 6 2007

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

APPROVED
FREDERICK WRIGHT
PETROLEUM ENGINEER

CLAYTON WILLIAMS ENERGY, INC.

NEW WELL: RECOMMENDED COMPLETION PROCEDURE WELL NAME AND NUMBER: Rocky Arroyo Federal "8" No. 1

FIELD NAME: ROCKY ARROYO
COUNTY-STATE: EDDY COUNTY, NEW MEXICO
DATE: February 13, 2007

LOCATION: 1980' FSL & 1980' FEL SECTION 8 T-22-S, R-22-E
API NUMBER: 30-015-20486

WELL INFORMATION

| CASING INTERVAL | CASING SIZE OD-INCHES | CASING WEIGHT GRADE-CPLG LB/FT - GR | PIPE RUN / DEPTH-SET MD-FT. | CEMENT -SACKS PUMPED TOC: |
|-----------------|--------------------------|---|-----------------------------------|---|
| SURFACE | 13-3/8 | | 181 | SURFACE 68 SX PLUG 0-180' |
| INTERMEDIATE | 9-5/8 | | 1797 | TOC: 486' 50 SK PLUG: 1681'-1850' |
| PRODUCTION | 5-1/2 5-1/2 | 15.5#, J-55, LT&C BAD CASING AT 3871' | 9379 3358 | 1985SX-TOC-3320' 20SX PLUG- 4365-4505 600SX POZ 100SX C-CIRC 215 SX |
| PERFS | CANYON MORROW | 6563'-6600' 8956'-8965' 9038'-9052' | CIBP AT 6514' | CAPPED WITH 10 SX CEMENT |

DISCUSSION:

This re-entry will test shallow Yeso zones. Bad casing at 3871' does not allow testing of the primary objective zones in the Abo. There are four zones to be tested and a separate procedure will be provided for each zone. All fresh water will contain 2 % KCL and will be heated to 150 degrees F. The HCL acid will be mixed on location with the heated water. The zones contain sandstone (quartz) and dolomite and some are radioactive.

RECOMMENDED PROCEDURE:

1. MIRU PU and kill truck. Load tubing and casing with 2 % KCL fresh water. Kill well. MIRU WL. NU lubricator. RIH with 5-1/2" CIBP and check casing collars at 3131', 3175', 3210', 3254', 3297'+. Set plug at 3330' and cap with 20' of cement. The 5-1/2" tie-back is at 3340'-3342'. POOH with WL.
2. Pressure test casing to 3000 PSI. Release pressure. Perforate the Yeso as follows:

CLAYTON WILLIAMS ENERGY, INC.

NEW WELL: RECOMMENDED COMPLETION PROCEDURE WELL NAME AND NUMBER: Rocky Arroyo Federal "8" No. 1

| PROPOSED PERFS | | | | |
|----------------|--------|-----|------|-------|
| TOP | BOTTOM | PAY | JSPF | HOLES |
| 3134 | 3140 | 6 | 1 | 6 |
| 3145 | 3156 | 11 | 1 | 11 |
| 3171 | 3172 | 1 | 1 | 1 |
| 3198 | 3201 | 3 | 1 | 3 |
| 3209 | 3213 | 4 | 1 | 4 |
| 3220 | 3223 | 3 | 1 | 3 |
| 3225 | 3227 | 2 | 1 | 2 |
| 3236 | 3238 | 2 | 1 | 2 |
| 3244 | 3246 | 2 | 1 | 2 |
| 3252 | 3254 | 2 | 1 | 2 |
| TOTAL | | 36 | | 36 |

3. RHH with (full bore - tension) treating packer, standard seating nipple, and 2-7/8" 6.5 LB/FT J-55 8RD EUE tubing to 3250'. MIRU treating company. NU pump lines to wellhead and pressure test lines to 7,500 PSI. Spot 500 gallons of heated NeFe 20 % HCL acid to packer. Pull Packer to 3050' and set. Pressure annulus to 500 PSI and monitor. Break down perforations. Flush acid with heated 2 % KCL fresh water and pump at 3-5 BPM and 3000 PSI maximum pressure. SI and record ISIP, 5, 10 and 15 minute SIP's.
4. Flow and swab well to recover load. Test the PH of the acid spent load water to determine strength. If additional stimulation is necessary, treat with 24,000 gallons of heated gelled NeFe 20 % HCL acid and 38,250 gallons of heated 2 % KCL fresh water pad down 2-7/8" tubing at 10-15 BPM and 2,500 PSI as follows:
 - A. Pump 10,000 gallons of treated water as pad.
 - B. Pump 7,000 gallons of acid and drop 15 ballsealers.
 - C. Pump 10,000 gallons of treated water as pad.
 - D. Pump 7,000 gallons of acid and drop 15 ballsealers.
 - E. Pump 10,000 gallons of treated water as pad.
 - F. Pump 5,000 gallons of acid and drop 15 ballsealers.
 - G. Pump 10,000 gallons of treated water as pad.
 - H. Pump 5,000 gallons of acid and drop 15 ballsealers.
 - I. Flush with 5,000 gallons of treated water.
5. Shut-in and record ISIP, 5, 10 & 15 minute SIP's. Flow well to clean up. Determine if zone is to be produced or abandoned. Procedure to follow.

CLAYTON WILLIAMS ENERGY, INC.
 ROCKY ARROYO FEDERAL "8" NO. 1
 ROCKY ARROYO FIELD
 EDDY COUNTY, NEW MEXICO

PROPOSED WELLBORE DIAGRAM

ELEVATION

GL 4393.00
 KB 4412.50
 DP 4411.50

LOG: 1980 ESL & 1980 FEL SECTION 8 - T22S-R22E
 APIN: 30-013-20436

| TOP | BOTTOM | DAY | USER | HOLES |
|-------|--------|-----|------|-------|
| 1918 | 1920 | 2 | 1 | 2 |
| 1927 | 1930 | 3 | 1 | 3 |
| 1952 | 1956 | 4 | 1 | 4 |
| 1958 | 1960 | 2 | 1 | 2 |
| 1962 | 1964 | 2 | 1 | 2 |
| TOTAL | | 13 | | 13 |

| TOP | BOTTOM | DAY | USER | HOLES |
|-------|--------|-----|------|-------|
| 2142 | 2148 | 4 | 1 | 4 |
| 2192 | 2199 | 7 | 1 | 7 |
| 2203 | 2208 | 5 | 1 | 5 |
| 2273 | 2220 | 2 | 1 | 2 |
| TOTAL | | 18 | | 18 |

| TOP | BOTTOM | DAY | USER | HOLES |
|-------|--------|-----|------|-------|
| 2304 | 2305 | 1 | 1 | 1 |
| 2324 | 2327 | 3 | 1 | 3 |
| 2331 | 2334 | 3 | 1 | 3 |
| 2340 | 2354 | 4 | 1 | 4 |
| 2356 | 2358 | 2 | 1 | 2 |
| 2363 | 2369 | 2 | 1 | 2 |
| 2372 | 2380 | 8 | 1 | 8 |
| 2397 | 2401 | 4 | 1 | 4 |
| 2484 | 2487 | 3 | 1 | 3 |
| 2507 | 2516 | 9 | 1 | 9 |
| TOTAL | | 39 | | 39 |

| TOP | BOTTOM | DAY | USER | HOLES |
|-------|--------|-----|------|-------|
| 3134 | 3140 | 6 | 1 | 6 |
| 3145 | 3156 | 11 | 1 | 11 |
| 3171 | 3172 | 1 | 1 | 1 |
| 3198 | 3201 | 3 | 1 | 3 |
| 3209 | 3213 | 4 | 1 | 4 |
| 3220 | 3223 | 3 | 1 | 3 |
| 3225 | 3227 | 2 | 1 | 2 |
| 3236 | 3238 | 2 | 1 | 2 |
| 3244 | 3246 | 2 | 1 | 2 |
| 3252 | 3254 | 2 | 1 | 2 |
| TOTAL | | 56 | | 56 |

BAD CASING: 3871'
 FBTD

CORRECTION AT 3871' CEMENTED TO SURFACE

CANYON PENETRATIONS

6563 6500 37

CUMULATIVE PRODUCTION:

308517 TMCFCG + 4984 BO

PROPOSED WELL COMPLETION
 OVERALL INTERVAL 5000'-5800'

SURFACE CASING: 13-3/8" SET 181'
 CEMENT TO SURFACE

INTERMEDIATE CASING: BIT SIZE: 12-1/4"
 9-5/8" SET AT 1797'. TOC: 486'

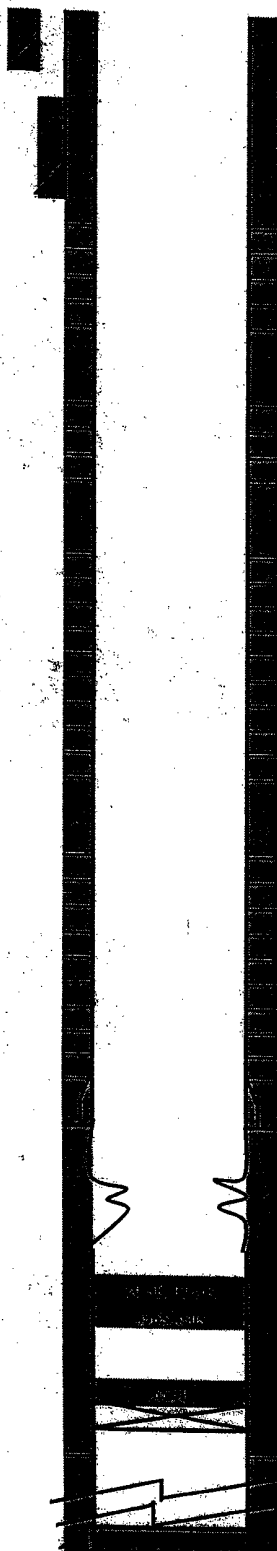
8-3/4" HOLE TO 9380'

TIE-BACK CASING:
 TOP OF 5-1/2" CASING 15.5 PPF: 3340'. RAN 3358.27'
 CMTD W/ 600-SX FOZ 50/50/10 TAIL W/ 100-SX "C"
 CIRCULATED 215 SX TO SURFACE.

PRESSURE TESTED CASING FROM 3825'-SURFACE

PRODUCTION CASING: 5-1/2" SET AT 9379'
 CEMENTED WITH 1985 SX. TOC: 3320'

FBTD: 6514
 DRILLER'S TD: 9256
 LOGGER TD: 9250



ROCKY MOUNTAIN
FEDERAL "B" 116.1

1900



PROPOSED PERB

1950

2000

2050

2100

2150

ROCKY ARROYO

FEDERAL

No 1

2200

2250

2300

2350

2400

RECEIVED FEDERAL

8th Nov 1

3100

3150

3200

3250

3300

SUNDRY NOTICE SPECIAL STIPULATIONS

1. Approval is granted to test this well as presented in the sundry with the following modifications to the program:
2. All CIBPs must have at least 35 feet if bailed or 50 feet if pumped, of cement on top of the CIBP.

*** All plugs, including the surface plug, should leave at least 25 sacks of cement inside the casing and be at least 100 feet, plus an additional 10% for each 1000 feet of depth.**

Plugging procedures must conform to 43 CFR 3162.6.d and Onshore Order No. 2.III.G or NMOCD orders if they are more stringent.

All of the work approved here must be completed within 90 days

Engineering
can be reached at 505-706-2779 for any variances that might be necessary.

F Wright 3/6/07

UNITED STATES **OCD-ARTESIA**
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

REVISED

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.

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

5. Lease Serial No.

LC-029342-C

6. If Indian, Allottee or Tribe Name

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

Pending

8. Well Name and No.

Loco Hills 20 Federal Com No. 1

9. API Well No.

30-015-34596

10. Field and Pool, or Exploratory Area

Empire; Morrow, South

11. County or Parish, State

Eddy County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Cimarex Energy Co. of Colorado

3a. Address

PO Box 140907; Irving, TX 75014-0907

3b. Phone No. (include area code)

972-401-3111

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

SHL: 330' FNL & 610' FEL, BHL: 787' FNL & 679' FEL
20-17S-30E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☒ Other Request Permit

Extension

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 recompleat 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 recompleat 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 permit for the Loco Hills 20 Federal Com No. 1 well is due to expire on 02-06-07. Cimarex respectfully requests a permit extension due to rig scheduling.

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

Name (Printed/Typed)

Natalie Krueger

Signature

Title

Reg Analyst 1

Date

February 2, 2007

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ James Stovall

ACTING

Title

FIELD MANAGER

Date

MAR 06 2007

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

BLM-CARLSBAD FIELD OFFICE

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.

(Instructions on reverse)