

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. 30-025-03470
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NM B-1167
7. Lease Name or Unit Agreement Name State H
8. Well Number 8
9. OGRID Number 004537
10. Pool name or Wildcat Eumont Yates Seven Rivers Queen
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3607 DF

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  
Citation Oil & Gas Corp.

3. Address of Operator  
P O Box 690688, Houston, Texas 77269

4. Well Location  
Unit Letter O : 660 feet from the South line and 1650 feet from the East line  
Section 13 Township 21S Range 35E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3607 DF
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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: \_\_\_\_\_ mil 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 Yates Seven Rivers ☒

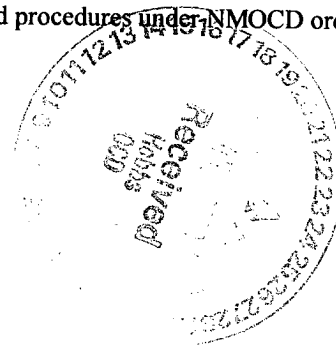
SUBSEQUENT REPORT OF:

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.

Citation Oil & Gas Corp. proposes to recomplete this well to the Yates Seven Rivers per attached procedures under NMOCD order SD-05-05.



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 Sharon Ward TITLE Permitting Manager DATE July 19, 2006

Type or print name Sharon Ward E-mail address: sward@cogc.com Telephone No. 281-517-7309

For State Use Only

APPROVED BY: [Signature] TITLE PETROLEUM ENGINEER DATE AUG 04 2006  
Conditions of Approval (if any):

## WORKOVER PROCEDURE

PROJECT: State H #8 – OAP and Frac

DRILLED & COMPLETED: 7/54 LAST WO: 6/76: Acidize

LOCATION: 660' FSL, 1,650' FEL, Sec 12, T21S – R35E

FIELD: Eumont COUNTY: Lea STATE: NM

TD: 3,952' PBTD: 3,944' DATUM: 3,607' DF KB: 10'

### CASING AND LINER RECORD

SIZE	WEIGHT	DEPTH	CEMENT	HOLE	TOC	REMARKS
8 5/8"	32 ppf	302'	225 sxs	11"	Surf	Cmt circ'd
5 1/2"	15.5 ppf	3,952	750 sxs	7 7/8"	700'	TOC calc'd w/ 75% xs

Producing Formation: Queen Perfs: 3,804' - 3,942' (300 shots)

Rods: 1 1/4" x 16' PR w/ 1 1/2" x 10' PRL; (4') 3/4" Grade KD subs; (150) 3/4" Grade KD rods; (2') 3/4" KD sub; 2" x 1 1/2" x 12' pump w/ 6' GA

Tubing: (123 jnts) 2 3/8" 4.7 ppf J-55 eue 8rd; (1 jnt) 2 3/8" 4.7 ppf TK-99, (1) 2 3/8" SN; (1 jnt) 2 3/8" BPMA

Note: \_\_\_\_\_

### PROCEDURE

- **Notify NMOCD of planned work.**
  - **Use 2% KCl water for all water placed in wellbore.**
  - **RU gas buster pit and flowback manifold using secure steel lines w/ targeted connections.**
  - **Need air unit to clean out after frac - flow back.**
  - **Locate and rack 3800' 2 7/8" 6.5# L-80 WS.**
  - **Locate and rack 3800' 3 1/2" 9.3# L-80 WS for treating (Tarpon Pipe –Royce Watkins 432-638-8026).**
  - **Contact Reef Chemical (Gary Hyer – 432-570-7038) to line up 750 gal Gas Plus (375 gal per stage).**
1. MIRU PU. Kill w/ 2% KCL water if necessary.
  2. ND WH. NU BOP.
  3. RIH w/ 4 3/4" MT skirted bit and 2 7/8" SN on 2 7/8" 6.5# L-80 WS to 3,800' (Top of Queen perfs). Tally in hole. POH w/bit.
  4. RIH w/ 2 7/8" WS and set CIBP @ +/- 3,785'. POH 2 7/8" WS (Note: do not use WL set CIBP).
  5. RIH and dump bail 3 1/2 sx cmt on CIBP @ +/- 3,785' (35' cement on CIBP).
  6. Load hole w/ 2% KCL and PT to 250 psi. (NOTIFY Midland of results.)

7. RIH w/ GR/CBL/CCL. Run f/ PBTD (3,750') to TOC or minimum run. POH w/ logging tools. Evaluate log for cmt top.
8. RU WL w/ full lubricator. RIH w/ 4" csg gun. Correlate to Schlumberger GR / Neutron log dated 7/1/54. Perf (stage 1) Seven Rivers w/ 1 SPF Select Fire (0.38" holes) as recommended by Reservoir group.
9. POOH w/ Csg guns.
10. RU hydrotesters and RIH w/ PPI Tool, 2 7/8" SN on 2 7/8" 6.5 ppf L-80 WS to bottom perf of 1st stage hydrotesting to 7,000 psi. Straddle target perfs and set PPI tool. Break down w/ 15% AS HCL acid (**Max treating pressure = 6,000 psi**). Rlse PPI tool and proceed to the next group of target perfs repeating the procedure until all Seven Rivers perfs are broken down / treated. (**Note- Record Max and Min pressures, Average injection rate, ISIP and signs of communication for each tool setting-treatment**). POOH w/ PPI tool on 2 7/8" WS.
11. RU hydrotesters. RIH w/ Arrowset 1X Frac Pkr w/ Dual Direction flapper valves, P-110 Inner Flow Tube (2.0"ID) and T-2 On/Off tool and 2 7/8" SN on 3 1/2" 9.3# L-80 WS. Test tbgt to 7000 psi BS (**69% of new rating**). Set PKR +/- 50' above top perf.
12. Load csg w/ 2% KCl. Hold 500 psi on csg w/ pop off set at +/- 750 psi. Monitor csg throughout acid and frac job.
13. Pump (375 Gallons) Reef GAS PLUS as per recommendation. Frac Seven Rivers perfs as per service company recommendation using CO<sub>2</sub>. Tag w/ IR-192 @ 0.5MC/1M# sand (74 day half-life). Record rates, max and min pressures and SIP's. (**NOTE: Max pressure = 5,500 psi. All sand tagged w/ IR-192.**)
14. RU gas buster pit and flowback manifold using secure steel lines w/ targeted connections. Connect steel lines to tubing via hose. Rlse On-Off Tool and sting +/- 10' out of packer. Check for backflow. Pump an tubing volume + 20 bbls of 2% KCL water using a pump truck down the back side, circulating out of the tubing to the steel lines, manifold and the gas buster pit (**NOTE: Initial flowback will likely be hard due to CO2 bubble that will circulate off bottom**).
15. POH w/ Inner Flow Tube and On-Off tool.
16. RU WL w/ full lubricator. Pressure csg to 500 psi w/ 2% KCL. RIH w/ 4" csg gun. Correlate to Gamma Ray Neutron log. Perf (stage 2) Yates w/ 1 SPF Select Fire (0.38" holes) as recommended by the Reservoir group.
17. POH w/ csg guns.
18. RIH w/ PPI Tool, 2 7/8" SN on 2 7/8" 6.5 ppf L-80 WS to bottom perf of 2<sup>nd</sup> stage. Straddle target perfs and set PPI tool. Break down w/ 15% AS HCL acid (**Max treating pressure = 6,000 psi**). Rlse PPI tool and proceed to the next group of target perfs repeating the procedure until all Yates perfs are broken down / treated. (**Note- Record Max and Min pressures, Average injection rate, ISIP and signs of communication for each tool setting-treatment**). POOH w/ PPI tool on 2 7/8" WS.
19. RIH w/ treating PKR, 2 7/8" SN AND X-Over on 3 1/2" WS. Set pkr at +/- 50' above top perf in Yates stage.
20. Load csg w/ 2% KCl. Hold 500 psi on csg w/ pop off set at +/- 750 psi. Monitor csg throughout acid and frac job.
21. Pump (375 Gallons) Reef GAS PLUS as per recommendation. Frac Yates as per service company recommendation using CO<sub>2</sub>. Tag w/ SC-46 @ 0.5MC/1M# sand (84 day half-life). Record rates, max and min pressures and SIP's. (**NOTE: Max pressure = 5,500 psi. All sand tagged w/SC-46.**)
22. Flow well back to gas buster pit using frac manifold w/ targeted connections and secure steel lines.
23. Kill well w/ 2% KCL if required. Rlse Pkr. POH w/ 3 1/2" WS. LD Pkr and 3 1/2" WS.

24. RIH w/ frac Pkr retrieving head and 2 7/8" SN on 2 7/8" WS to frac Pkr. RU foam air unit and clean out sand to Pkr. RD foam air unit. Latch onto Pkr and release. POH w/ frac Pkr and 2 7/8" WS.
25. RIH w/ notched collar, 2 7/8" SN on 2 7/8" WS. Tag for fill. RU foam air unit and clean out frac sand to PBTD. CHC. RD foam air unit. POH w/ bit and LD 2 7/8" WS.
26. RU WL w/ Lubricator. Run After Frac Spectra (dual isotope) GR Log f/ 2,700' - PBTD. POH and RD WL.
27. Run 2 3/8" 4.7 ppf J-55 eue 8rd production tbg string as follows:

QTY	ITEM	LENGTH	DEPTH
<b>TUBING</b>	<b>KB</b>	<b>10'</b>	<b>10'</b>
115	Jts 2 3/8" 4.7# J-55 eue 8rd tbg	3565'	3,575'
1	Jt 2 3/8" 4.7# J-55 eue 8rd IPC tbg	31'	3,606'
1	2 3/8" SN	1'	3,607'
1	2 3/8"x 4' TBG Sub	4'	3,611'
1	Cavins D2301G Desander	20'	3,631'
2	2 Jts 2 3/8" BPMA	62'	3,693'

28. RU Swab. Swab well until clean fluid is produced. RD Swab.
29. Run rod string as follows:

<b>RODS</b>			
1	1 1/4" x 16' PR w/ 1 1/2" x 10' Liner	16'	16'
Set	3/4" KD Rod Subs w/ SM couplings	10' (+/-)	26'
144	3/4" KD Rods w/ SM couplings	3600'	3626'
1	3/4" KD Rod Sub w/ SM couplings	2'	3628'
1	2" x 1 1/4" x 12' RHBC Pump	12'	3640'

30. Load tbg w 2% KCl and pressure test pump. Space out and hang well on. Place pumping unit in 54" SL at +/- 6 SPM (Expected production rate +/- 54 BFPD @ 100% efficiency and 1 1/4" pump).
31. RD MO PU. Return well to production and place on test.

# CITATION OIL AND GAS CORPORATION

## CURRENT WELLBORE DIAGRAM AND INFORMATION

**Well Name:** State H#8      **Field:** Eumont  
**Date:** January 27<sup>th</sup>, 2006      **Location:** 660' FSL 1650' FEL, Sec 13  
**County:** Lea      **State:** New Mexico

11"  
Hole

7 7/8"  
Hole

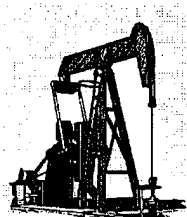
8 5/8", (32#), Csg @ 302'  
Cmt'd w/225 sx (circ'd)

TOC @ 700' w/ 75% xs - Calculated

SR Perfs 3,804' - 3,942' (300 holes)

5 1/2", 15.5#, Csg @ 3952' Cmt'd w/ 750 sx.

TD 3,952'  
PBSD 3,944'



Lufkin C 114-54 in the  
54" stroke hole running 7.5 spm

**API #:** 30-025-03470  
**Surface:** 660' FSL 1650' FEL, Sec 13  
           T21S-R35E  
           Lea County, NM  
**Completed:** 7/54  
**Elevation:** 3,607' (DF)  
**KB:** 10'

### CASING DETAIL

Size	Weight	Depth
8 5/8"	32	Surf - 302'
5 1/2"	15.5	Surf - 3952'

### TUBING DETAIL

Qty	Description	Length	Depth
—	KB	10	10
123	Jts 2 3/8", 4.7#, J-55 tbg	3766	3776
1	2 3/8" 4.7# J-55 8rd eue TK-99	31	3807
1	2 3/8" SN	1	3808
2	Jts 2 3/8" OPMA	31	3839

### ROD DETAIL

Qty	Size	Type	Length
1	3/4"	KD Subs	4'
150	3/4"	KD	3,750
1	3/4"	KD Sub	2
Polish Rod: 1 1/4" x 16' w/ 1 1/2" x 10' Liner			
Pump: 2" x 1 1/2" x 12' w/ 6 GA			

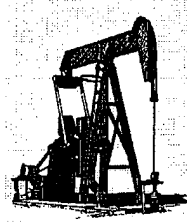
# CITATION OIL AND GAS CORPORATION

## PROPOSED WELLBORE DIAGRAM AND INFORMATION

**Well Name:** State H#8      **Field:** Eumont  
**Date:** January 27<sup>th</sup>, 2006      **Location:** 660'' FSL 1650' FEL, Sec 13  
**County:** Lea      **State:** New Mexico

11" Hole

7 7/8" Hole



Lufkin C 114-54 in the 54" stroke hole running 6 spm

8 5/8", (32#), Csg @ 302' Cmt'd w/225 sx (circ'd)

TOC @ 700' w/ 75% xs - Calculated

Yates - Seven Rivers Perfs - TBD

CIBP @ 3785' w/ 35' cmt

SR Perfs 3,804' - 3,942' (300 holes)

5 1/2", 15.5#, Csg @ 3952' Cmt'd w/ 750 sx.

TD 3,952'  
PBTD 3,944'

**API #:** 30-025-03470  
**Surface:** 660' FSL 1650' FEL, Sec 13  
           T21S-R35E  
           Lea County, NM  
**Completed:** 7/54  
**Elevation:** 3,607' (DF)  
**KB:** 10'

### CASING DETAIL

Size	Weight	Depth
8 5/8"	32	Surf - 302'
5 1/2"	15.5	Surf - 3952'

### TUBING DETAIL

Qty	Description	Length	Depth
—	KB	10	10
115	Jts 2 3/8", 4.7#, J-55 tbg	3565	3575
1	Jt 2 3/8", 4.7#, J-55 IPC tbg	31	3606
1	2 3/8" SN	1	3607
1	2 3/8" Tbg Sub	4	3611
1	Cavins D2301G Desander	20	3631
2	Jts 2 3/8" BPMA	62	3693

### ROD DETAIL

Qty	Size	Type	Length
1	3/4"	KD Subs	+/- 10
144	3/4"	KD	3,600
1	3/4"	KD Sub	2
Polish Rod: 1 1/4" x 16' w/ 1 1/2" x 10' Liner			
Pump: 2" x 1 1/4" x 12'			