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

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO. 30-025-03468

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No. NM B-1167

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.)

7. Lease Name or Unit Agreement Name: State H

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

8. Well Number 6

2. Name of Operator: Citation Oil & Gas Corp.

9. OGRID Number 004537

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

10. Pool name or Wildcat: Eumont Yates Seven Rivers Queen

4. Well Location

Unit Letter G : 1980 feet from the North line and 2310 feet from the East line

Section 13 Township 21S Range 35E NMPM Lea County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 3394 DF

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type_____ Depth to Groundwater_____ Distance from nearest fresh water well_____ Distance from nearest surface water_____

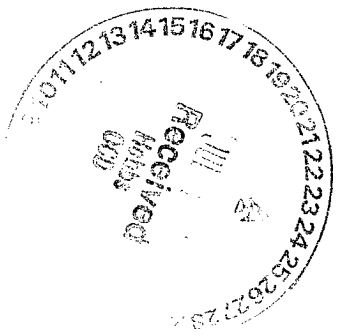
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
OTHER: Recomplete to Yates Seven Rivers	☒			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. 281-781-1309

For State Use Only

APPROVED BY: _____ TITLE PETROLEUM ENGINEER DATE AUG 17 2006

Conditions of Approval (if any):

WORKOVER PROCEDURE

PROJECT: State H #6 – OAP and Frac

DRILLED & COMPLETED: 5/54 LAST WO: 8/78: Acidize

LOCATION: 1,980' FNL & 2,310' FEL Sec 13, T21S – R35E

FIELD: Eumont COUNTY: Lea STATE: NM

TD: 3,950' PBTD: 3,949' DATUM: 3,594' DF KB: 9'

CASING AND LINER RECORD

SIZE	WEIGHT	DEPTH	CEMENT	HOLE	TOC	REMARKS
8 5/8"	32 ppf	306'	200 sxs	11"	Surf	Cmt Circ'd
5 ½"	15.5 ppf	3,949'	800 sxs	7 7/8"	500'	TOC calc'd w/ 75% xs

Producing Formation: Queen Perfs: 3,710' – 3,793' (10 shots) & 3,810' – 3,920' (180 total shots)

Rods: 1 ¼" x 16' PR w/ 1 ½" x 10' PRL; (20') ¾" Grade KD subs; (148) ¾" Grade KD rods; (2') ¾" KD sub; 2" x 1 ¼" x 12' pump w/ 6' GA

Tubing: (122 jnts) 2 3/8" 4.7 ppf J-55 eue 8rd; (1) 2 3/8" SN; (2 jnt) 2 3/8" OPMA

Note: Surface Csg problems.

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).**
- **Surface casing problems that need repair prior to workover.**

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 3,710' (Top of Queen perfs). Tally in hole. POH w/bit.
4. RIH w/ 2 7/8" WS and set CIBP @ +/- 3,695'. POH 2 7/8" WS **(Note: do not use WL set CIBP).**
5. RIH and dump bail 3 1/2 sx cmt on CIBP @ +/- 3,695' (35' cement on CIBP).
6. Load hole w/ 2% KCL and PT to 250 psi. **(NOTIFY Midland of results.)**

7. RIH w/ GR/CNL/CCL. Run from new PBTD (3660') to surface. POH w/logging tools. Send GR/ Neutron log (**need LAS Files from logging company**) to Houston for evaluation of Yates and Seven Rivers formations. RIH w/ GR/CBL/CCL. Run f/ PBTD (3,660') 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 above GR / CNL log. 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 (66% of new rating). 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 tbg 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_2. 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 2nd 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 +/- 50' above top perf.
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_2. 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
TUBING	KB	9'	9'
113	Jts 2 3/8" 4.7# J-55 eue 8rd tbg	3503'	3512'
1	Jt 2 3/8" 4.7# J-55 eue 8rd IPC tbg	31'	3543'
1	2 3/8" SN	1'	3544'
1	2 3/8"x 4' TBG Sub	4'	3548'
1	Cavins D2301G Desander	20'	3568'
2	2 Jts 2 3/8" BPMA	62'	3630'

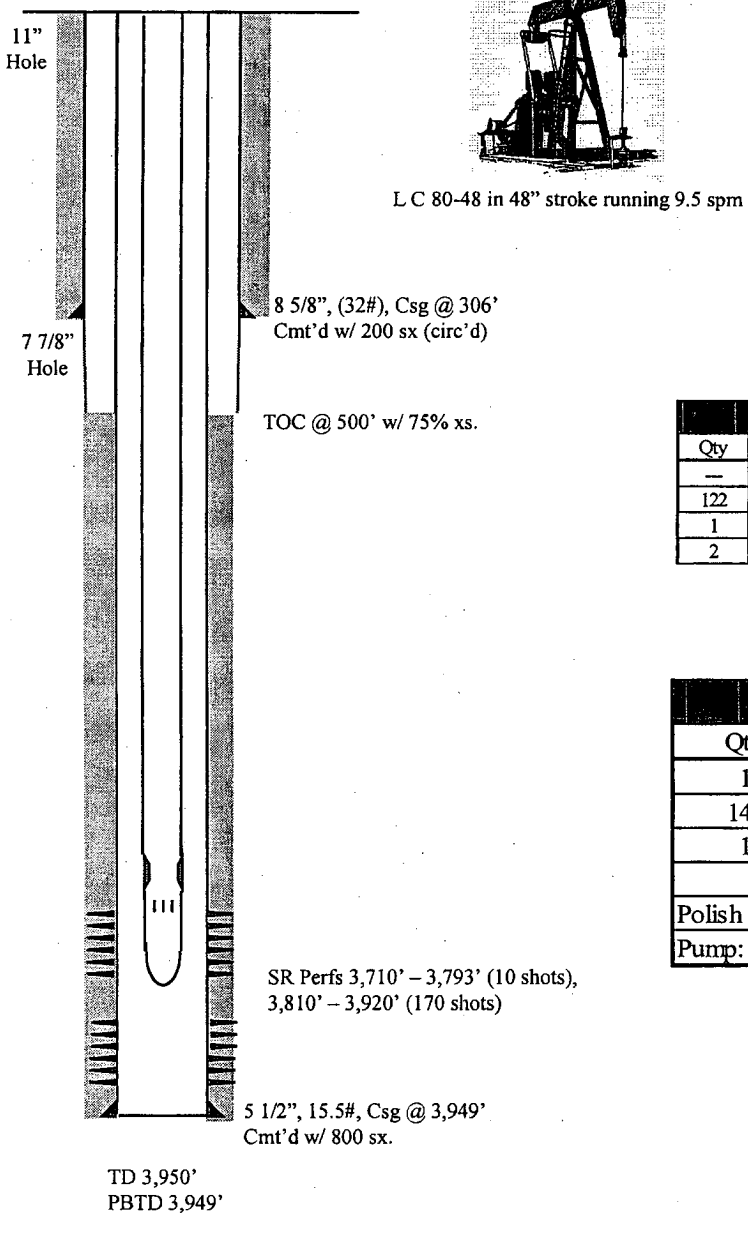
28. RU Swab. Swab well until clean fluid is produced. RD Swab.
29. Run rod string as follows:

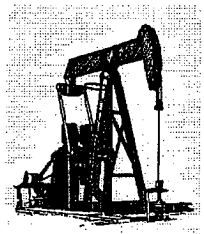
RODS			
1	1 1/4" x 16' PR w/ 1 1/2" x 10' Liner	16'	16'
Set	3/4" KD Rod Subs w/ SM couplings	10' (+/-)	26'
142	3/4" KD Rods w/ SM couplings	3550'	3576'
1	3/4" KD Rod Sub w/ SM couplings	2'	3578'
1	2" x 1 1/4" x 12' RHBC Pump	12'	3590'

30. Load tbg w 2% KCl and pressure test pump. Space out and hang well on. Place pumping unit in 48" SL at +/- 6 SPM (Expected production rate +/- 47 BFPD @ 100% efficiency and 1 ¼" 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 #6 **Field:** Eumont
Date: January 25th, 2006 **Location:** 1,980' FNL, 2,310' FEL Sec 13
County: Lea **State:** New Mexico





L C 80-48 in 48" stroke running 9.5 spm

API #: 30-025-03468
Surface: 1980' FNL, 2,310 FEL Sec 13, T21S-R35E Lea County, NM
Completed: 5/1954
Elevation: 3,594' (DF)
KB: 9'

CASING DETAIL

Size	Weight	Depth
8 5/8"	32	Surf - 306'
5 1/2"	15.5	Surf - 3949'

TUBING DETAIL

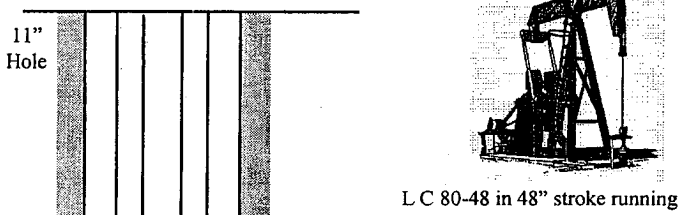
Qty	Description	Length	Depth
—	KB	9	9
122	Jts 2 3/8", 4.7#, J-55 tbg	3797	3806
1	2 3/8" SN	1	3807
2	Jts 2 3/8" OPMA	29	3836

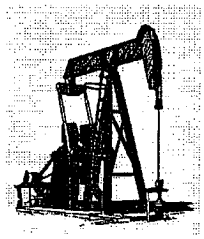
ROD DETAIL

Qty	Size	Type	Length
1	3/4"	KD Subs	20'
148	3/4"	KD	3700'
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' w/ 6' GA		

CITATION OIL AND GAS CORPORATION
PROPOSED WELLBORE DIAGRAM AND INFORMATION

Well Name: State H #6 **Field:** Eumont
Date: January 25th, 2006 **Location:** 1,980' FNL, 2,310' FEL Sec 13
County: Lea **State:** New Mexico





L C 80-48 in 48" stroke running 6 spm

API #:	**30-025-03468**
Surface:	**1980' FNL, 2,310 FEL Sec 13, T21S-R35E Lea County, NM**
Completed:	**5/1954**
Elevation:	**3,594' (DF)**
KB:	**9'**

CASING DETAIL

Size	Weight	Depth
8 5/8"	32	Surf - 306'
5 1/2"	15.5	Surf - 3949'

TUBING DETAIL

Qty	Description	Length	Depth
—	KB	9	9
113	Jts 2 3/8", 4.7#, J-55 tbg	3503	3512
1	Jt 2 3/8", 4.7#, J-55 IPC tbg	31	3543
1	2 3/8" SN	1	3544
1	2 3/8" Tbg Sub	4	3548
1	Cavins D2301G Desander	20	3568
2	Jts 2 3/8" BPMA	62	3630

ROD DETAIL

Qty	Size	Type	Length
1	3/4"	KD Subs	+/- 10
142	3/4"	KD	3,550
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'		