

## OIL CONSERVATION DIVISION

### DISTRICT I

1625 N. French Dr., Hobbs, NM 88240

### DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

### DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

2040 Pacheco St.  
Santa Fe, NM 87505

WELL API NO.  
**30-025-12720**

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

**B-1400**

7. Lease Name or Unit Agreement Name

**State L**

8. Well No.

**1**

9. Pool name or Wildcat

**Eumont Yates 7 Rivers Queen**

### 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 77269-0688**

4. Well Location

Unit Letter **Q** : **2310** Feet From The **South** Line and **990** Feet From The **East** Line

Section **1** Township **21S** Range **35E** NMPM **Lea** County

10. Elevation (Show whether DF, RKB, RT, GR, etc)

**3573' DF**

11. 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 ☐

OTHER: ☐

#### SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: **Add perforations & return to production** ☒

12. 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.

MIRU; tested csg & CIBP to 500# for 20 minutes - OK. RIH with 5.75" gauge ring & set down @3645'. Ran GR/CBL/CCL - TOC @2760'. RIH, set 7" pkr @3613'. Tested CIBP @3675' to 2000# - OK. PU with pkr to 3330' & spotted 700 gals 15% AS HCl from 3330' - 2900' & POOH. Perf'd Yates/Seven Rivers 2922' - 3330'. Acidized with 2000 gals 15% AS HCl, dropping 60 SG BS - ISIP 1765#. PU pkr to 2852' & farc'd 2922' - 3330' with 110M gals 40# linear gel (WF-40) foamed to 70Q carrying 15M# 20/40 + 175M# 12/20 sand - ISIP 2012#. RD. RIH with 2-3/8" production tubing & set @3216'; SN @3117'; ND BOP / NU WH. RIH with pump and rods and put well on production 12/7/00. As of 12/10/00 producing 201 Mcf; 0 BC; 5 BW in 24 hrs with 200 TP & 6 CP.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Debra Harris TITLE Prod/Regulatory Coord. DATE 1/31/2001

TYPE OR PRINT NAME Debra Harris TELEPHONE NO. (281) 517-7194

(This space for State Use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

## OIL CONSERVATION DIVISION

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

2040 Pacheco St.  
Santa Fe, NM 87505

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.  
**30-025-12720**

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

**B-1400**

**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

7. Lease Name or Unit Agreement Name

**State L**

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

8. Well No.  
**1**

3. Address of Operator  
**8223 Willow Place South, Suite 250, Houston, Texas 77070-5623**

9. Pool name or Wildcat  
**Eumont Yates 7 Rivers Queen**

4. Well Location  
Unit Letter **Q** : **2310** Feet From The **South** Line and **330** Feet From The **East** Line  
Section **1** Township **21S** Range **35E** NMPM **Lea** County

10. Elevation (Show whether DF, RKB, RT, GR, etc)  
**3573 DF**

11. 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 ☐  
OTHER: **OAP & fracture stimulate** ☒

### SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER: ☐

12. 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.

**Citation Oil & Gas Corp. proposes to open additional pay and fracture stimulate the above well with the attached procedure.**

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Sharon Ward TITLE **Regulatory Administrator** DATE **10/24/00**  
TYPE OR PRINT NAME **Sharon Ward** TELEPHONE NO. **(281) 469-9664**

(This space for State Use)

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

ORIGINAL SIGNED BY OMD'S WILLIAM  
DISTRICT OFFICE

NOV 1 2000

## WORKOVER PROCEDURE

PROJECT: State "L" #1 – OAP and Fracture Stimulate

DRILLED & COMPLETED: 8/37 LAST WO: 2/86 – TA Well

LOCATION: 2310' FSL & 330' FEL SEC. 1, T-21S, R-35E, NMPM, Lea Co., NM

FIELD: Eumont COUNTY: Lea STATE: NM

TD: 3873' PBSD: 3640' DATUM: 3573' KB KB to GL: 10'

### CASING AND LINER RECORD

SIZE	WEIGHT	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS
12 1/2"	45#	171'	150 sx	17 1/2"	Surf	Calc'd w/50% XS
9 5/8"	36#	1360'	375 sx	???	Surf	Calc'd w/50% XS
7"	24#	3723'	225 sx	8 3/4"	2425'	Calc'd w/50% XS

PRESENT FORMATION AND COMPLETION: Well currently TA'd  
Queen OH below CIBP (3723' – 3784')

TUBING: None

MISC.: CIBP @ 3675' w/ 4 sx cmt on top (35')  
Csg tested to 300# on 2/86

### PROCEDURE

- Notify NMOCD of planned work.
  - Move 114 or 160 pumping unit w/ 54" SL to well
  - Use 2% KCl for all water pumped into the well.
  - Use hydraulic BOP for workover.
  - Have roustabout gang install choke and flowline to frac tank or steel pit w/ gas buster.
  - Set 3 clean frac tanks.
  - Will need 3 1/2" WS.
1. MIRU PU. NDWH. NUBOP. Test csg to 500#.
  2. RU WL Company. Run GR-Neutron log from PBSD @ 3640' to 1630'.
  3. Pressure csg to 500#. Run CBL-CCL log from PBSD @ 3640' to TOC. Bleed pressure off csg. RD WL Company.
  4. Evaluate logs. If perms below current PBSD are not required, skip to step 12.
  5. RIH w/ 6 1/8" MT Skirted Bit, Bit Sub, (6) – 4 1/8" Drill Collars and SN on 3 1/2" 9.3# N-80 WS to +/- 3650'.
  6. Rig up foam air unit (1200 CFM) and establish circ w/foam down tubing.
  7. Rig up power swivel. FIH w/ 6 1/8" bit to PBSD @ 3640'.
  8. DO cmt and CIBP @ 3675'. FIH w/ bit and push CIBP to PBSD. CHC.
  9. Rig down power swivel and foam air unit. POH w/ bit, DC's and tbg. Stand back DC's.
  10. RU WL Company. Run GR-Neutron log from new PBSD @ 3784' to 1784'.
  11. RIH w/ 7" CIBP on WL. Set CIBP @ +/- 3705' (could change based on bottom perf). Dump 2 sx cmt (10') on CIBP. RD WL Company.
  12. RIH w/ 7" RTTS PKR and 3 1/2" SN on 3 1/2" 9.3# N-80 WS to +/- 3680'. Pressure Test CIBP to 2000#. Rlse PKR.
  13. RU Swab. Swab fluid level down to +/- 3500'. RD Swab. POOH w/ 3 1/2" WS.

14. RU WL Company and lubricator. Perforate Seven Rivers underbalanced as per Reservoir Engineering recommendation.
15. RIH w/ 7" Weatherford Arrowset 1-X Frac PKR w/ T-2 on-off tool, double flapper valve and flow tube and 3 ½" SN on 3 ½" WS. Hydrotest tbg in hole to 7000 psi AS (69% of new rating).
16. Leave PKR swinging just below btm perforation and spot 15% AS HCl acid across the Seven Rivers perforated interval.
17. PUH to +/- 100' above the top Seven Rivers perforation and rev 5 bbls. Set pkr.
18. Load csg w/ 2% KCl. Hold 500 psi on csg w/ pop off set at +/- 750 psi. Monitor csg throughout acid and frac job.
19. RU acid company. Acidize Seven Rivers perfs w/ 15% AS HCl acid at +/- 8-10 BPM (volume to be determined). Record rates, max and min pressures and SIP's. RD acid company.  
**(NOTE: MAX PRESSURE 6000 psi)**
20. RU Frac Company. Fracture stimulate Seven Rivers perfs as per the attached recommendation **(NOTE: Frac recommendation may be modified based on actual perforated interval)**. Tag w/ IR-192 @ 0.5MC/1M# sand (74 day half-life). Record rates, max and min pressures and SIP's.  
**(NOTE: MAX PRESSURE 6000 psi . ALL SEVEN RIVERS SAND TAG'D W/IR-192)**
21. Release On-Off tool. PUH to btm of proposed Yates interval. Spot double inhibited 15% AS acid across Yates interval (volume to be determined). POOH w/ frac PKR flow tube on 3 ½" WS.
22. RU WL Company and lubricator. Pressure csg to 500 psi w/ 2% KCl. Perforate Yates as per Reservoir Engineering recommendation.
23. RIH w/ 7" RTTS PKR and 3 ½" SN on 3 ½" WS to +/- 100' above top Yates perf. Rev 5 bbls. Set PKR.
24. Load csg w/ 2% KCl. Hold 500 psi on csg w/ pop off set at +/- 750 psi. Monitor csg throughout acid and frac job.
25. RU acid company. Acidize Yates perfs w/ 15% AS HCl acid at +/- 8-10 BPM (volume to be determined). Record rates, max and min pressures and SIP's. RD acid company.  
**(NOTE: MAX PRESSURE 6000 psi)**
26. RU Frac Company. Fracture stimulate Yates perfs as per the attached recommendation **(NOTE: Frac recommendation may be modified based on actual perforated interval)**. Tag w/ SC-46 @ 0.5MC/1M# sand (84 day half-life). Record rates, max and min pressures and SIP's.  
**(NOTE: MAX PRESSURE 6000 psi . ALL YATES SAND TAG'D W/SC-46)**
27. Flow back well to TT as per service company recommendation.
28. RU SL. Set SL Tbg plug in 3 ½" SN. Load & test 3 ½" tbg and plug w/ 2% KCL. Perf 3 ½" tbg w/ SL tbg punch above SN. RD SL. RU and swab back load from annulus. RD swab.
29. Rlse Pkr. POOH w/ 3 ½" WS. LD Pkr.
30. RIH w/ 3 ½" frac PKR retrieving head and 3 ½" SN on 3 ½" WS to frac PKR. RU foam air unit & clean out sand to PKR. RD foam air unit. Latch onto PKR and release. POH w/ frac PKR and 3 ½" WS.
31. TIH w/ 6 1/8" MT skirted bit on 3 ½" WS. Tag for fill. RU foam air unit & clean out sand to PBTB. RD foam air unit. POH & LD 3 ½" WS.

32. RIH w/ 2 3/8" prod tbg as follows: (NOTE: Will need to pick up all 2 3/8" tbg. CA may be modified based on actual perforated interval.)

**TUBING**

No	Item	Length	Depth
102	Jts 2 3/8" 4.7# J-55 eue 8rd Tbg	3213'	3223'
1	2 3/8" x 7" TAC	3'	3226'
2	Jts 2 3/8" 4.7# J-55 eue 8rd Tbg	62'	3288'
1	Jt 2 3/8" 4.7# J-55 IPC eue 8rd Tbg	31'	3319'
1	2 3/8" API SN @ +/- 3319'	1'	3320'
1	2 3/8" x 4' Sub	4'	3324'
1	Cavins 2302G Desander	20'	3344'
2	JT 2 3/8" BPMA Btm'd @ +/- 3406'	62'	3406'

33. Swab well to clean fluid if needed.

34. RIH w/ rods as follows: (NOTE: Will need to pick up all 3/4" KD rods.)

**RODS**

No	Item	Length	
1	1 1/4" X 16' PR w/1 1/2" x 10' PRL	16'	
1 Set	3/4" KD Rod Subs	+/- 10'	(as needed to space out)
131	3/4" KD Rods	3275'	
1	2" x 1 1/4" x 14' RHBC Pump	12'	

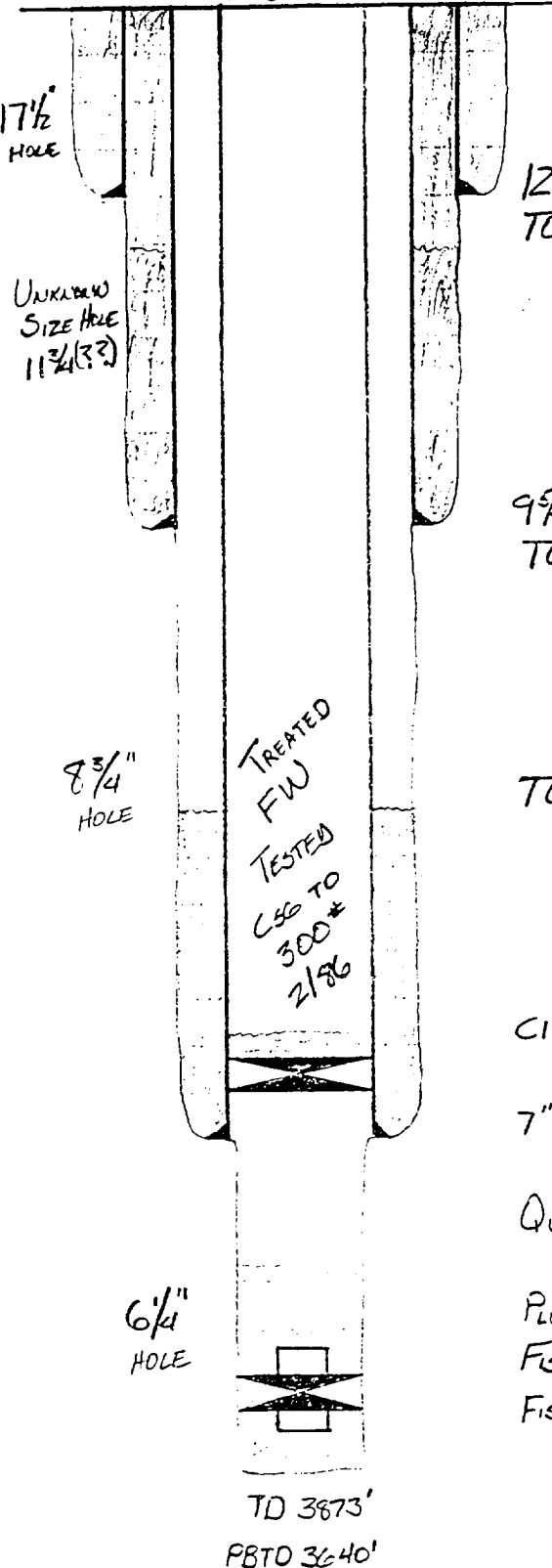
35. Space out. Hang well on. Load tbg and PT. RD MO PU. RTP and test.

**NOTE: During first well pull after frac workover, check for fill, CO if necessary and lower CA as well conditions allow.**

General Purpose Worksheet

SUBJECT:	STATE L #1 EUMONT FIELD	PAGE NO.:	1	OF:	1
FILE:	330' FELT + 2310' FSL SEC 1 T-21-S R-35-E LEA CO.	BY:	TSAGER	DATE:	6/20/00

K13 = 10'



12 1/2", 45' @ 171' w/150 SK  
TDC SURF w/50% XS, 1.3 ft<sup>3</sup>/SK

9 7/8" 36" @ 1360' w/1575 SK  
TDC SURF w/50% XS, 11 3/4" HOLE, 1.3 ft<sup>3</sup>/SK

TDC 2425' w/50% XS, (1.3 ft<sup>3</sup>/SK)

CIBPE 3675' w/35' CMT ON TOP

7" 24" CSG @ 3723' CMT w/225 SK.

QUEEN OH 3723' - 3784'

PLUGGED OH w/HYDROMITE @ 3784' (5/64)

FISH IN OH @ 3809' (LEFT 5/64)

FISH DETAIL: LOWER HALF OF SWEET SAFETY JT, 2" COLLAR, 1' X 2" SUB,  
LYNES 5 5/8" AF PACKER, 4' X 2" SUB

TD 3873'  
PBTD 3640'