

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.
30-025-03465

5. Indicate Type of Lease

STATE ☒

FEE ☐

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

7. Lease Name or Unit Agreement Name

State H

8. Well No.
4

9. Pool name or Wildcat
Eumont Yates Seven 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
8223 Willow Place South, Suite 250, Houston, Texas 77070-5623

4. Well Location
Unit Letter **I** : **2310** Feet From The **South** Line and **990** Feet From The **East** Line
Section **13** Township **21S** Range **35E** NMPM **Lea** County

10. Elevation (Show whether DF, RKB, RT, GR, etc)
3607 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: Repair csg & 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. requests permission to repair casing 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

10/10/00

TYPE OR PRINT NAME

Sharon Ward

TELEPHONE NO.

(281) 469-9664

(This space for State Use)

APPROVED BY

APPROVED BY
Sharon Ward
10/10/00

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

WORKOVER PROCEDURE

PROJECT: State "H" #4 – Repair Casing and Fracture Stimulate

DRILLED & COMPLETED: 9/38 LAST WO: 3/96 – Pull Pkr, Rod Up Well

LOCATION: 1980' FSL & 990' FEL SEC. 13, T-21S, R-35E, NMPM, Lea Co., NM

FIELD: Eumont COUNTY: Lea STATE: NM

TD: 3907' PBTD: 3705' DATUM: 3597' KB KB to GL: 10'

CASING AND LINER RECORD

SIZE	WEIGHT	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS
8 5/8"	28#	1590'	600 sx	11"	Surf	Circ
5 1/2"	14#	3767'	200 sx	7 7/8"	2900'	Calc'd w/75% XS

PRESENT FORMATION AND COMPLETION: Yates perms (3320' – 3542') 312 Holes
Seven Rivers perms (3576' – 3664') 8 Holes

TUBING: None

MISC.: CIBP @ 3740' w/ 35' cmt cap on top
Isolated HIC 6' – 11' below GL 11/72
Fill found at 3585' in 1996 (120' of fill, 79' perms covered)

PROCEDURE

- Notify NMOCD of planned work.
 - Move Parkersburg 160D pumping unit from State "L" #3 and electrify.
 - 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 2 7/8" and 3 1/2" WS's. *(I suspect 3 1/2" ws prior to start of project) all*
1. MIRU PU. NDWH. NUBOP. RIH w/ 4 3/4" MT Skirted bit on 2 7/8" 6.5# N-80 WS to PBTD. Tally in hole. Check for fill. POOH and LD bit.
 2. RIH w/ 5 1/2" RBP and Halliburton R-4 Tension PKR on 2 7/8" 6.5# N-80 WS. Set RBP @ +/- 3250'. PT RBP to 500# w/ 2% KCl water.
 3. PT csg to 500# w/ 2% KCl water. Isolate HIC. Verify holes +/- 10' below GL and that no additional holes have developed.
 4. Spot 2 sx sand on RBP. POOH w/ 2 7/8" WS. NDBOP.
NOTE: If csg has threads at surface (not cut-off), a 5 1/2" lift nipple may be used instead of spear. The following assumes that the HIC is +/- 10' from surface.
 5. PU 5 1/2" csg spear w/ stop and extension and 2 7/8" N-80 lift sub. RIH & set in top of 5 1/2" csg.
 6. Tack weld csg slips to 5 1/2" csg. Pull tension into casing string and PU out of slip assembly. Remove tack welded slips.
 7. Set down & stack out 5 1/2" csg (make note of casing string wt.). Release spear assembly & POOH.

8. RU WL. Thread WL through 2 7/8" N-80 Tbg Sub & 5 1/2" spear assembly. Rehead WL. RU CCL and tie 150 grain string shot.
9. RIH w/ 5 1/2" spear assembly, CCL and string shot. Set spear in top of 5 1/2" csg. RIH w/ CCL and find bottom collar on the second full jt of 5 1/2" csg.
10. Load hole with 2% KCl water. Set csg wt in neutral. Check right-hand torque in 5 1/2" csg (make sure pipe is not loose). Put left-hand torque in 5 1/2" csg. Set off string shot and back-off csg.
11. POOH w/ 5 1/2" csg. LD csg. RD tools. RD WL.
12. PU & RIH w/ replacement 5 1/2", 14# K-55 csg (\pm 3 jts). Tie-back into 5 1/2" casing string and torque up.
13. Land casing in tension. Set in 8 5/8" x 5 1/2" csg slips. Cut-off, bevel and NU tubinghead.
14. NUBOP. PT new csg.
15. RU WL. Pressure csg to 500#. Run GR-CBL-CCL log from PBTD @ +/- 3250' to 1500'. Correlate to Lane Wells Radioactivity Log dated 12/27/53. Bleed pressure off csg. RD WL Company.
16. RIH w/ RBP retrieving head and SN on 2 7/8" WS. Circ sand off of RBP.
17. RU swab. Swab well down. Rtrv RBP.
18. POOH w/ RBP and 2 7/8" WS.
19. RIH w/ 4 3/4" MT Skirted Bit, Bit Sub, (4) - 3 1/2" Drill Collars and SN on 2 7/8" WS to +/- 3550'.
20. Rig up foam air unit (1200 CFM) and establish circ w/foam down tubing.
21. Rig up power swivel. FIH w/ 4 3/4" bit. Tag fill @ +/- 3585'.
22. CO fill to PBTD of 3705'. CHC
23. Rig down power swivel and foam air unit. POH, LD bit and stand back DC's.
24. RIH w/ 5 1/2" RTTS PKR and 3 1/2" SN on 3 1/2" 9.3# N-80 WS to 3664'. Hydrotest tbg in hole to 7000 psi AS (69% of new rating). RU acid company. Spot 400 gal 15% AS acid to EOT w/ 32 bbls 2% KCl water.
25. PUH w/ PKR to 3270' and rev w/ 25 bbls 2% KCl. Set PKR. Load csg w/ 2% KCL (Est. volume = 41 bbls). Hold 500 psi on csg w/ pop off set at +/- 750 psi. Monitor csg throughout acid and frac job.
26. Acidize Yates-Seven Rivers perfs (3320' – 3664') w/ 2500 gal 15% AS acid at +/- 8-10 BPM. Flush to btm perf w/ 2% KCl water. Record rates, max and min pressures and SIP's. RD acid company.
(NOTE: MAX PRESSURE 6000 psi.)
27. RU Frac Company. Fracture stimulate Yates / Seven Rivers perfs (3320' – 3664') as per the attached recommendation. Tag w/ IR-192 @ 0.5MC/1M# sand (74 day half-life). Record rates, max and min pressures and SIP's. Flow well back as per frac company recommendation to clean up.
(NOTE: MAX PRESSURE 6000 psi. ALL SAND TAG'D W/IR-192)
28. Flow back well to TT to recover load. Turn to sales after CO₂ reaches acceptable levels for purchaser.
29. RU SL. Set SL Tbg plug in 3 1/2" SN. Load & test 3 1/2" tbg w/ 2% KCL. Perf 3 1/2" tbg above SN. RD SL. RU and swab back load from annulus (approx. 41 bbl). RD swab.
(NOTE: Perforate w/ SL Tbg punch.)
30. Rlse Pkr. POOH w/ 3 1/2" WS. LD Pkr and 3 1/2" WS.
31. TIH w/ 4 3/4" MT skirted bit and DC's on 2 7/8" WS. Tag for fill. If fill exists, RU foam air unit & clean out sand to PBTD. RD foam air unit. POH & LD 2 7/8" WS.

32. RIH w/ 2 3/8" prod tbg as follows: (NOTE: Will need to pick up all 2 3/8" tbg.)

TUBING

No	Item	Length	Depth
105	Jts 2 3/8" 4.7# J-55 eue 8rd Tbg	3288'	3298'
1	2 3/8" x 5 1/2" TAC	3'	3301'
7	Jts 2 3/8" 4.7# J-55 eue 8rd Tbg	219'	3520'
1	Jt 2 3/8" 4.7# J-55 IPC eue 8rd Tbg	31'	3551'
1	2 3/8" API SN @ +/- 3552'	1'	3552'
1	2 3/8" x 4' Tbg Sub	4'	3556'
1	Cavins Model D 2301-G Desander	20'	3576'
1	Jt 2 3/8" BPMA Btm'd @ +/- 3607'	31'	3607'

33. Swab to clean up fluids if necessary.

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)
141	3/4" KD Rods	3525'	
1	2" x 1 1/4" x 14' RHBC Pump	12'	

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