

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTN.M. Oil Cons. Division
1625 N. French Dr.
Hobbs, NM 88240FORM APPROVED
B.L.M. No. 1004-0135
Expires November 30, 2000

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

CITATION OIL & GAS CORP.

3a. Address

P.O. Box 690688, Houston, Texas 77269-0688

3b. Phone No. (include area code)

(281) 517-7800

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

Unit H 1980 FNL & 660 FEL Sec. 28-23S-34E

6. If Indian, Allottee or Tribe Name

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

CA 891008492C NM 68289

8. Well Name and No.

Antelope Ridge Unit #8

9. API Well No.

30-025-26868

10. Field and Pool, or Exploratory Area

Antelope Ridge Atoka

11. County or Parish, State

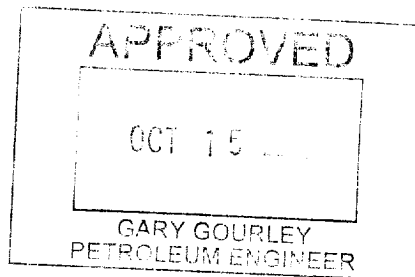
Lea County, NM

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 checked="" 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 Operations (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.)

Citation Oil & Gas Corp. proposes to acidize the Antelope Ridge Unit #8 with coiled tubing and run ESP by the attached procedure.



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

Name (Printed/Typed)

Sharon Ward

Signature

Sharon Ward

Title

Regulatory Administrator

Date

8/29/01

K3

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WORKOVER PROCEDURE

PROJECT: ARU NO. 8 – Acidize with Coiled Tubing and Run ESP

DRILLED & COMPLETED: 10/80 LAST WO: 5/00 – Pull and Replace Tubing

LOCATION: 1980' FNL & 660' FEL SEC. 28, T-23S, R-34E

FIELD: ANTELOPE RIDGE COUNTY: Lea STATE: NM

TD: 13,850' PBTD: 13,735' DATUM: 3502' DF KB to CHF: 28'

CASING AND LINER RECORD

SIZE	WEIGHT	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS
16"	65#	462'	950	20"	SURF	
10 3/4"	40.5-45.5#	5180'	1170	14 3/4"	3000	DV @ 1012', TOC - SURF
7 5/8"	33.7#	11,700'	1000	9 1/2"	6100'	Calc'd TOC
5"	18#	13,846'	540	6 1/2"	LNR	LINER F/11,298' - 13,846'

PRESENT FORMATION AND COMPLETION: ATOKA (12,386'-12,410') 24 SHOTS

TUBING: 5" HES "PLS" PKR @ 12,339' w/ Guiberson On-Off Tool & 1.781" F Profile, 2 3/8" Sub, Baker 1.81" F Nipple, 36 Jts 2 3/8" 4.7# J-55 tbg, 352 Jts 2 7/8" 6.5# N-80 tbg, (3) 2 7/8" 6.5# N-80 Subs and (1) 2 7/8" 6.5# P-110 Sub w/5 GLV's (12,295', 11,766', 11,026', 10,069', 8,396')

TBG HEAD: CIW - 11" x 10K psi THF

MISC.: 8/95 - Acidized w/2,400 gal 20% MSR. AIR - 3.5 BPM, MXP 1170#, ISIP 230#.
2/97 - Acidized w/2,400 gal 20% MSR. AIR - 5.4 BPM, MXP 694#, ISIP 380#.
3/00 - Acidized w/2,400 gal 20% MSR. AIR - 3.0 BPM, MXP 752#, ISIP 614#.

PROCEDURE

Coiled Tubing Acid Treatment

- **Notify NMOC D 48 hrs prior to workover of intent.**
 - **Start up compressor and charge csg up to +/- 700 psi for GL operations prior to workover.**
 - **Run acid compatibilities on produced fluids.**
 - **Use 2% KCl for all water pumped into the well.**
1. MIRU CTU. RU BOP's and CT Packoff.
 2. RIH w/ 1 1/4" CT and Vortech wash tip to 12,410'. Spot acid across Atoka perfs 12,386' – 12,410'. PUH to 12,380'. SI CT annulus. Pump 2400 gal 20% MSR acid at +/- 1 BPM using 200 – 300 scf/bbl N₂ while working tubing through perforated interval. Flush to btm perf w/ 2% KCl and 200 – 300 scf/bbl N₂. Record injection rates and ISIP.
 3. Open CT annulus and flow back load if possible.
 4. POOH w/ CT. RD CTU.
 5. Flow well back to battery to recover load and clean up. If well will not unload, open well to frac tank to unload tubing.
 6. Monitor tests and flowing pressures.

PROCEDURE

Install ESP Equipment

- Install approx. 5000' of primary power line, 3-75 KVA transformers and VSD at ARU #8.
 - Locate Double Stud Adapter and 7 1/16" x 2 7/8" x 4 rd MLE Tubinghead (J & W Wellhead, 915-550-7502).
 - Acidize ARU #1G SWD well prior to installing ESP.
 - Use 2% KCl for all water pumped into the well.
1. MIRU PU. ND WH. NU BOP.
 2. Rlse 5" HES "PLS" PKR @ 12,339'. POOH w/ tbg and pkr.
 3. RIH w/ 120 HP, 370 stg RA-7 Centrilift ESP pump w/ seal section and BHP sensor and 5KV, #4 flat CPL cable on +/- 352 jts 2 7/8 6.5# N-80 tbg. Hydrotest tbg to 6000# AS. Band cable to tbg w/ 3 monel bands per jt, one in the middle of the jt and one approx. 3' from each end. Place two bands immediately above and below the flat cable splice and uphole cable splice.
 4. Land btm of motor no lower than 11,290'.
 5. ND BOP. NU Double Stud Adapter and 7 1/16" x 2 7/8" x 4 rd MLE Tubinghead.
 6. RD MOPU.
 7. Shoot FL prior to ESP start-up.
 8. Hook up electrical cable. Place well on test. Monitor BHP, FL and production tests to size permanent production assembly.

WORKOVER PROCEDURE

PROJECT: Antelope Ridge Unit #1G – Acidize SWD Well

DRILLED & COMPLETED: 9/66 LAST WO: 12/97 – Acidize

LOCATION: 1980' FNL & 1980' FEL SEC. 22, T-23-S, R-34-E, Lea Co., NM

FIELD: Antelope Ridge (Delaware) COUNTY: Lea STATE: NM

TD: 14,761' PBTD: 6543' DATUM: 3425' KB KB to GL: 14'

CASING AND LINER RECORD

SIZE	WEIGHT	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS
20"	94#	360'	650 sx	26"	Surf	CMT CIRC
13 3/8"	61-72#	5004'	2250 sx	17 1/2"	2815'	By TS
9 5/8"	53.5#	9318'- 11,792'	1000 sx	12 1/4"	9350'	Csg cut off and pulled from well
7"	32#	11,506'- 14,134"	560 sx	8 3/4"	11,506'	Circ'd

PRESENT FORMATION AND COMPLETION: Delaware OH 5004' – 6543'

TUBING: 3 – 6', 8', 10' 2 3/8" 4.7# J-55 eue 8rd DuoLine tbg subs, 159 Jts 2 3/8" 4.7# J-55 eue 8rd DuoLine tbg, 7" Baker ASA and 13 3/8" Baker "KB" Prod Pkr @ 4966'.

PROCEDURE

- Notify NMOCD 48 hrs prior to workover of intent.
 - Collect fluid samples for compatibility testing
1. Shut down ARU SWD Injection Pump.
 2. RU acid company. Open csg valve to atmosphere and monitor.
 3. Acidize Delaware OH (5004' – 6543') w/ 3000 gal 15% AS acid. Flush w/ 224 bbls clean PW. Pump acid job at 4 – 5 BPM at +/- 2500 psi. Record rate, ISIP, 5, 10 and 15 min SI pressures. (NOTE: Max Pressure 3000 psi, 39% of new rating.)
 4. RD acid company. Return well to injection. Monitor rates and pressures.

FLUID VOLUMES

Tbg Volume 19.2 bbls

Pkr to 8 5/8" Csg Shoe 5.7 bbls

OH Volume 224.4 bbls

Antelope Ridge Unit #8
SE/NE Sec 28-23S-34E
Lea Co., NM

RCC 3-14-94
Update 3-5-95
Update: 8/15/01

