

UNITED STATES N. M. OIL CONS. COMMISSION  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
SANTA FE, N. M. 87501

Form approved.  
Budget Bureau No. 42-R1424.

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" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Cibola Energy Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1668, Albuquerque, New Mexico 87103		8. FARM OR LEASE NAME Mesa Leon Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' FNL & 660' FWL		9. WELL NO. 1	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Wildcat	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5690.73 Gr.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22-6N-17E	
		12. COUNTY OR PARISH Guadalupe	
		13. STATE NM	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Pressure testing <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 07-17-81 RU pulling unit and reverse unit to drill out cement. Drilled rubber plug at 4710'. Drill out of cement at approximately 4752'. Mix KCL and circulate throughout hole. Clean out open hole to 4778'. Pull 3 stands pipe. SD.
- 07-18-81 Ran 3 stands pipe back in hole and tag bottom at 4878'. Pull bit out of hole and release reverse unit. RIH with packer and tubing disc with 5 jts. of tailpipe. Set packer at 4723'. Dropped bar to break disc. Released packer and pulled tubing. SD.
- 07-19-81 Run CBL. Log showed excellent bond. Perfed from 4736-46' with 2 spf. RIH with packer and disc. Set packer and dropped bar. Tubing pressure went to 100 psi in 30 minutes. When valve was opened there was a 10' flare for 30 seconds, then died. Swabbed 2 runs and learned that packer was communicating. Pulled up one joint and set packer, tubing dry. SD.
- 07-20-81 Tubing was on vacuum. Made 2 swab runs. Pulled approximately 3 bbls water on 2nd swab run.
- 07-21-81 Perforated and acidized with 2 bbls acid intervals 4711-16', 4702-04', 4692-98'. Swabbed back all acid. No show.
- 07-22-81 Pulled tubing to check for leaks. Will spot acid on 1st set of perforations, 4736-46'.

Continued on back

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

SIGNED ROGER A. CHAPMAN TITLE Drilling Clerk DATE 10-12-81  
(This space for Federal or State office use)

APPROVED BY OCT 16 1981 TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

\*See Instructions on Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 17:** Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

880-379

07-23-81 Checked tubing, no hole. Assumed packer leaked. Assumed Ran new packer. Set between perfs at 4725'. Pumped and got communication between perfs. Pulled up 2 jts. Reset packer at 4665' with tail pipe on perfs at 4775'. Loaded hole w/ KCL water increasing rate to 3 bbls/minute. Pumped approx. 80 bbls before breaking circulation. Spotted 2 bbls acid and set packer. Pressured up to 600#. Established rate at 1/4 bbls per minute. Displaced 2 bbls, hooked up swab. Shut down pumping. SI valve. Held 600# pressure. SI 30 min-SIP 600#. Opened valve to pit. Flowed approximately 3 bbls KCL fluid. Swabbed to 4000', 2nd swab to seating nipple, 3rd swab - 3 -4 bbls of 15% acid fluid. swabbed dry. SI.

07-24-81 No pressure build up. Dry, no show. Will perforate from 4600-90' (4640-60', 4626-22', 4616-14', 4604-4600') and treat with 7 bbls 15% acid.

07-25-81 Perf'd from 4532-26', 4516-12'. Acidized with 8 bbls acid. Recovered load, no shows. SD for weekend.

07-27-81 Acidized the following perfs with 100 gallons 15% acid. 4512-16', 4526-32' Packer set at 4465'. Plug set at 4575'. Ball action indicated 5 perfs that were previously shot. Final pump pressure 3000 psi. ISIP 1700 psi (after 15 min.) FSIP 1250 psi. Fraced with 9000# 100 mesh sand, 15000# 20/40 sand, 330 BW, 33.7 tons CO<sub>2</sub> (5 tons were used for cool down 28.7 in well) 40#/1000 gallons gel, 550# for whole job, KCL 14#/42 gallons=2300#. Bacteriaside: (Dowell M-76) used 7 gal Silicon control (M-38) 28 gallons, Surfactant: (F-75) 28 gal Breaker agent: (J-218) 130#, Caustic: (M-3) 45#, Activator (E-11-83) 56 gallons. Rate injection reached approx. 10 bbls water and 6 bbls CO<sub>2</sub> or up to 16 bbls fluids/min. Schedule: Acidized at 12:00 am, stopped frac at 4:30 pm. Held SI from 4:30 to 6:30 PM, opened at 6:30 to 8:45 PM. SI again. Rec 100-150 BF.

07-29-81 Swabbing at 10 bbls/run now. Should have load back sometime late today, no show of gas.

07-30-81 Swabbed back 27 bbls total of 323 to date. Getting formation water back, no shows, water foamy (possibly has CO<sub>2</sub> in it, might be from frac.

07-31-81 Swabbing, no show

08-01-81 Shut down for weekend.

08-02-81 Swabbing, no show

08-03-81 Swabbing, no show

08-04-81 Swabbing, no show

08-05-81 Swabbing, no show

08-06-81 12 swabs, recovered 27 bbls, Left open overnight.

08-07-81 Retrieved bridge plug and placed 40 sack plug at top of perf

08-08-81 Spot diesel at 2720, 3bbls. Pull tbg and RU Dresser. Perf at zone 2392-2404 with 1 shot per ft. Run pkr in hole and set, Swabbed 3 runs to empty tubing on 3rd run a flare was observed for approx 5 sec. (possible diesel) subsequent swabs-no show.

08-10-81 Acized as follows: 35 bbls 7% MSR100 acid using ball sealers to open perfs. Flushed 3% KCL max treating pressure 2300 psi. Final treating pressure 2250 ISIP 1000, 15 minutes SIP 600 Average injection rate 5 BPM. Opened valve after 30 min. Water flowed out slowly until acid started to flow ( 10 bbl Made 3 swab runs to dry out tbg. Swab runs were very gassy but no flare was observed. Swabbed all day.

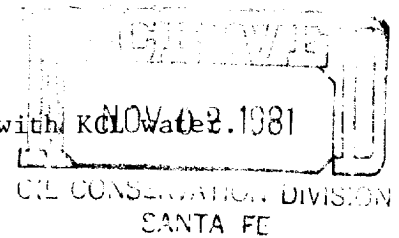
08-11-81 Opened valve a very slight blow, no flare. Swabbed tbg dry. RU Newsco & Dowell for frac job. 141 bbls KCL and sand 335 bbls N<sub>2</sub>. total rate from 13-14 1/2 BPM. constant 10.5 BPM SI well over night.

08-12-81 Well had 800 psi, opened valve and pressure dropped immediately. Swabbed all day, getting 1 1/2 bbl/1/2 hr. Water very salty.

08-13-81 Swabbed well getting approx. 1 bbl/hr. continued swabbing thru 8-16-81.

08-17-81 Stuck swab, cut out swab line, two cutters failed to ignite cut swab line at surface and pulled tubing out. 400' of solid sand in tubing. Packer pulled out, torn by sand, 150' above perfs. Ran back in w/tbg to top of sand in casing.

8-18-81 Ran tubing 200' of sand in hole, Used pump truck with KOL  
Got all sand out and lost circulation twice.



8-19-81 Swabbing.

8-20-81 Running tubing short of bridge plug. Continuing to swab.

8-21-81 Retrieve plug, shut in the well, put in low pressure gauge on top  
to see if pressure will build up.

8-22-81 Pressure testing, so far 0 pressure.