

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

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. <input type="checkbox"/> GIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Convert to Salt Water Disposal		5. LEASE DESIGNATION AND SERIAL NO. NM-0552659A	
2. NAME OF OPERATOR J. C. WILLIAMSON		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P. O. Box 16 Midland, Texas 79701		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Unit N, Section 22, T23S, R34E, Lea County, New Mexico Located 660' FSL and 1830' FWL of the Section.		8. FARM OR LEASE NAME CURRY FEDERAL	
14. PERMIT NO.		9. WELL NO. No. 2	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL 3476'		10. FIELD AND POOL, OR WILDCAT Antelope Ridge	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22, T23S, R34E	
		12. COUNTY OR PARISH Lea	13. STATE NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING

(Other) Convert to Salt Water Disposal

REPAIRING WELL

ALTERING CASING

1*

(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.)*

SEE ATTACHED SHEETS FOR DETAILED OPERATIONS

NOTE: This well will be operated by SAN SIMON WATER DISPOSAL COMPANY.
A C-104 form changing the operator will be filed as soon as bonding and other State and Federal qualifications are met.

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

SIGNED _____ Max E. Curry TITLE _____ Agent DATE _____ May 8, 1996

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

SAN SIMON PRODUCTION COMPANY

804 Palomino, Midland, Texas 79705 Phone (915) 570-7008

May 9, 1996

OPERATIONS REPORT, ANTELOPE RIDGE FIELD AREA

SALT WATER DISPOSAL WELL No. 1 (Curry Federal No. 2)

PREP TO RE-PERFORATE AND STIMULATE THE DELAWARE FORMATION FOR WATER INJECTION AND DISPOSAL OF PRODUCED WATER. The well was capable of injecting 2 bbl/min of water at 1,000 psig, but the flanges below the tubing bonnet were leaking packer fluid into the cellar. At this point it was believed that the flange was the only leak and the packer and larger casing was OK. The purpose of the operation was to perforate new holes in additional Delaware sand zones and break them down with acid to lower the injection pressure and increase the injection volume.

May 6, 1996: Rigged up Yale E. Key pulling unit. Rigged up Monahans Nipple Up Service and removed well head. In order to eliminate areas of possible leaks a 5,000 psig 11" double stud spacer spool w/R34 ring gasket was removed and disposed of, which lowered the well head 10 inches as well as eliminated a leaking flange. Replaced the two corroded R34 rings and made up the well head. Released the nipple-up crew and rigged up Black Warrior Wireline Co. and ran a Gamma Ray correlation log from 6,300' to the top of the Delaware at 5,000'. It was discovered that the Baker Loc-Set packer had been set at 5,600', so released the Black Warrior to another job and shut down overnight.

May 7, 1996: Removed wellhead to pick up and lay down 18 joints of 2-3/8" OD tubing. Re-set the Baker Loc-Set packer with the top at 5,091' (Zero is GL plus 19') Replaced the well head and released the pulling unit after re-connecting the disposal system and pump. Rigged Black Warrior back up and went in the hole. Perforated three sets of perforations in the 7-5/8" OD casing with seven shots, 2' apart, of 0.40" holes with 1-11/16" Dynastar jets having 10" penetration over the following intervals: 5614-5626', 5526-5538', and 5220-5232'. Fluid was standing in the hole at 560' FS, both before and after shooting all perforations. The wireline was released and the well was hooked up. The injection pump was started and the well began taking fluid at the rate of 1 BPM at 1000 psig. The annulus was tested at 700 psig for 30 minutes without a pressure increase. After pumping into the formation for three hours, an injection rate was established at 180 barrels at 1000 psig over a three hour period. No leaks in the system and all systems operating manually as designed. Shut down with ISDTP of 425 psig. SDON.

May 8, 1996: Checked out injection rate, measured 1 BPM at 875 psig, rate stabilized. Continued pumping until 2:00 PM, when XL Transco was rigged up to acidize all perforations from 6160' to 5220' in the well with 3,000 gallons of LSTNE 15% acid. Started treatment by pumping into formation at 2.26 BPM @ 2,000 gallons. Started first 1000 gallons and pumped at rate of 2.89 BPM when the first 20 balls reached the formation the pressure dropped to 1700 psig at the same rate. Dropped 20 more balls and continued treatment with some ball action and small pressure fluctuations

Page 2, San Simon Production Co., SWD-1 (Curry State Well No. 2) May 7, 1996.

during the treatment. At end of treatment, the injection rate was 2.59 BPM @ 2400 psig. Shut down pressure was 500 psig. Knocked off line and purged balls off formation and hooked up injection pump. Started pumping @ 2 BPM at 600 psig stabilized. The stimulation was considered very successful and no further work will be done at this time. Gary Electric adjusted all controls to operate automatically unattended. The well was turned to normal operation and the construction phase of the disposal system is now complete.

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