

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on reverse side)

NEW MEXICO OIL CONSERVATION DIVISION
P.C. OX 1980
HOBBS, NEW MEXICO 88240
DESIGNATION AND SERIAL NO.
88240

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. GIL WELL <input type="checkbox"/> CAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> CONVERT WELL TO WATER INJECTION	6. IF INDIAN, ALLOTTEE OR TRIBE NAME NM-0552659A
2. NAME OF OPERATOR J. C. WILLIAMSON	7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P. O. Box 16, Midland, Texas 79701	8. FARM OR LEASE NAME Curry Federal 1
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	9. WELL NO. No. 2
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, ST, 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:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	PULL OR ALTER CASING
FRACTURE TREAT	MULTIPLE COMPLETE
SHOOT OR ACIDIZE	ABANDON*
REPAIR WELL	CHANGE PLANS
(Other) Convert to injection	

WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREATMENT	ALTERING CASING
SHOOTING OR ACIDIZING	ABANDONMENT*
OPER. OGRID NO. 11158	completion on Well t and Log form.)
PROPERTY NO. 11799	estimated date of starting any r all markers and zones perti-
POOL CODE 96100	
EFF. DATE	
API NO. 30-025-24003	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent proposed work. If well is directionally drilled, give subsurface information to this work.)*

This notice is a request of approval for remedial work required to convert the Curry Federal Well No. 2 (Originally drilled by Patrick Petroleum and abandoned, then operated by Estoril Producing Co., and recently acquired by J. C. Williamson) to a water injection well to dispose of produced water. The system is under advisement for administrative approval by the New Mexico Oil Conservation Division and. The Bureau of Land Management is considering a formal request for Rights of Way on leases owned and operated by the applicant to gather, treat and pump water into the subject well. Almost all of the water gathered is produced on federal leases and will substantially reduce the operating cost of these leases and give them many more years of productivity as well as protect the environment. Attached are two exhibits that will set out in detail the current conditions of the subject well and a detailed prognosis of the remedial work planned to convert the subject well to water disposal service.

Subject to
Like Approval
by State NMOCN

SWD-588

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

SIGNED Joe G. Lara
(This space for Federal or State office use)

TITLE Engineer

DATE 3-20-95

APPROVED (ORIG. SGD.) JOE G. LARA
CONDITIONS OF APPROVAL, IF ANY:

TITLE Petroleum Engineer

DATE 4/19/95

*See Instructions on Reverse Side

EXHIBIT

SUPPLEMENT TO:

APPLICATION OF:

"C": ATTACHMENT TO EXHIBIT "C" (MAP) Page 3

OIL CONSERVATION DIVISION FORM C-108

San Simon Water Disposal Co., Antelope Ridge Area

Section 22, T23S, R34E, Lea County, NM 3-20-95

INJECTION WELL DATA

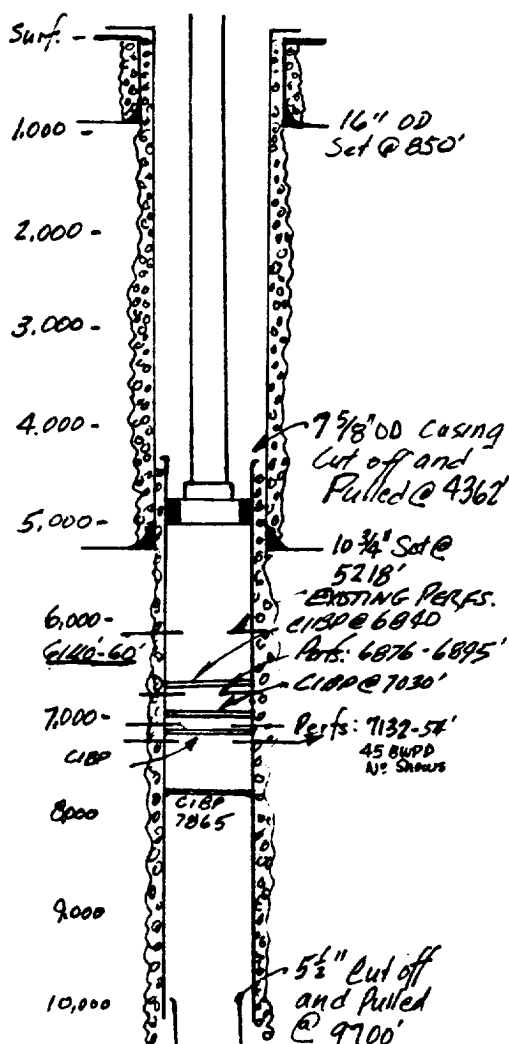
OPERATOR: J. C. Williamson LEASE: Curry Federal WELL No. 2

LOCATION: SEC. 22, T33S, R34E, Lea County, NM

PROPOSED OPERATING CONDITIONS

(CONDITIONS AFTER RE-COMPLETION)

SCHEMATIC DRAWING OF WELL



TUBULAR DATA

SURFACE CASING: Set @ 850'

CSG. SIZE: 16", 65#, H-40. CEMENTED
WITH 450 Sx, Circulated. HOLE SIZE 20"

INTERMEDIATE CASING: Set @ 5218'

CSG. SIZE: 10-3/4", 40.4-51#, CEMENTED
WITH: 1st Stage 650 Sax. 2nd Stage 2000 Sax.
Cement Circulated. HOLE SIZE: 13-3/4"

SECOND INTERMEDIATE CSG: Set @ 11,918'

CSG SIZE: 7-5/8", 29.7 - 33.7#. CEMENTED
WITH: 1,100 Sax. HOLE SIZE: 9-1/2"

The top of cement was found at /or near 4300' when the well was originally plugged. This casing was cut off and pulled at 4,362', leaving an 856' of cemented overlap inside the 10-3/4" Csg. This overlap has been tested to 2000 psig before fracture treatment, OK.

COMPLETION PROGNOSIS: The well will have a head installed for 3-1/2" OD Hydril tubing. The flow line from the treating and pumping station will consist of 3-1/2" OD CS Hydril that will be internally coated with 505 Epoxy coating or equivalent by Spin Coat. The flow line will not be buried, at least for the time being. The existing perforations will be left in their current condition and the tubing will be run in the hole with a Baker Lockset, nickel trim, or equivalent packer to be set at or near 5000'. The current perforated intervals will be tested by pump tests to determine if they will require treatment. It is obvious that the perforations will require at minimum a small fracture treatment in the area of 10,000 to 20,000 gallons, but all treatments and additional perforations will be performed through the tubing without pulling the tubing.

The Operator is requesting that any perforations between the top of the Delaware formation at or near 5,000' and the base of the existing perforations at 6160' be approved for further perforation and treatment after proper notice to the Oil Conservation Division. This proposed interval is less than the open hole interval that the Citation salt water disposal well is injecting into in the same Section as the subject application.

EXHIBIT "C": ATTACHMENT TO EXHIBIT "C" (MAP) Page 2

SUPPLEMENT TO : OIL CONSERVATION DIVISION FORM C-108
APPLICATION OF: San Simon Water Disposal Co., Antelope Ridge Area
Section 22, T23S, R34E, Lea County, NM 3-20-95

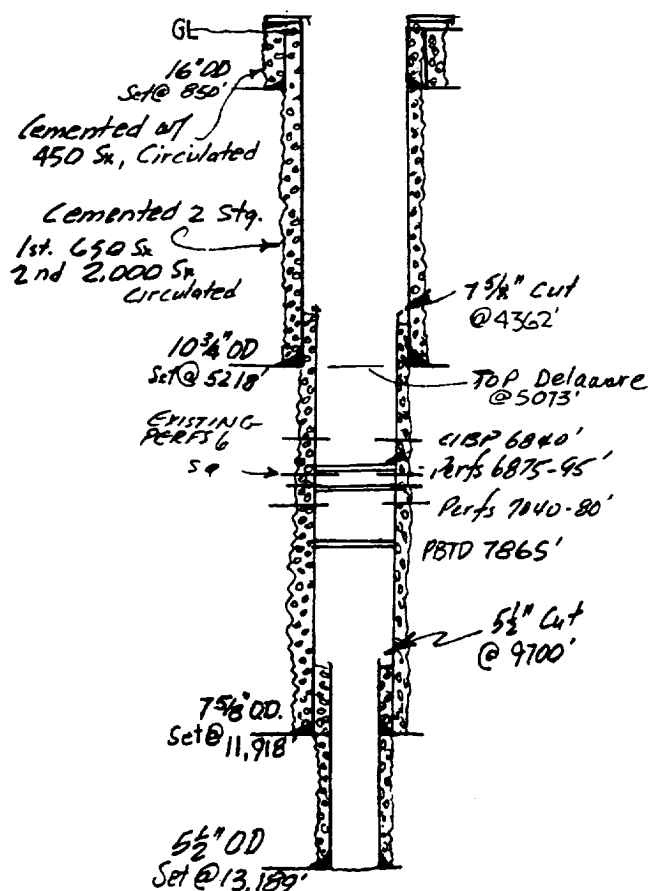
INJECTION WELL DATA

OPERATOR: J. C. Williamson **LEASE:** Curry Federal **WELL No.2**
LOCATION: SEC.22, T33S, R34E, Lea County, NM

PLUGGING RECORD
(CURRENT CONDITION OF THE WELL)

SCHEMATIC DRAWING OF WELL

TUBULAR DATA



ORIGINALLY DRILLED BY PATRICK PETR

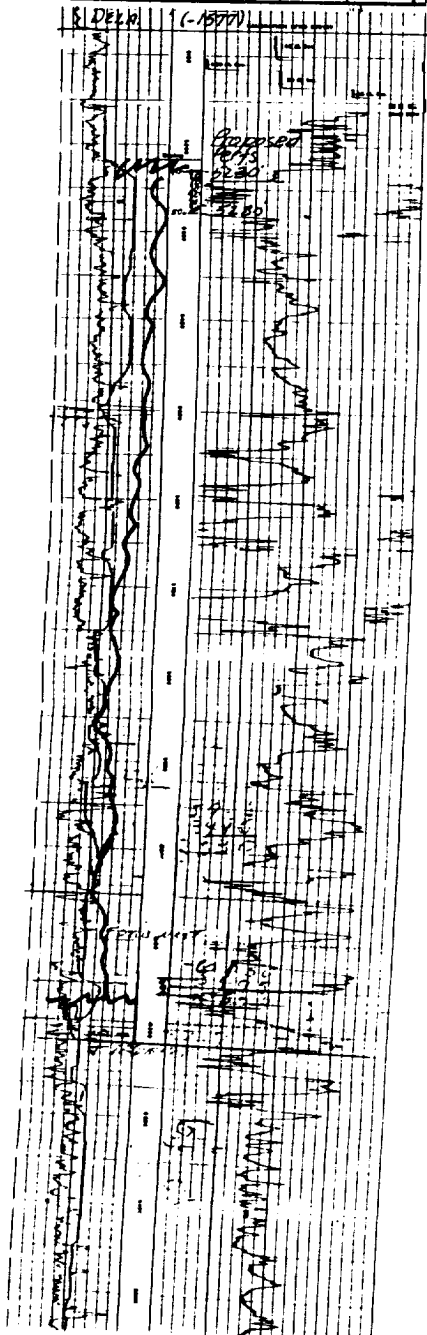
SURFACE CASING: Set @ 850'
CSG. SIZE: 16", 65#. H-40. **CEMENTED**
WITH 450 Sx. Circulated. **HOLE SIZE** 20"

INTERMEDIATE CASING: Set @ 5218'
CSG. SIZE: 10-3/4", 40.4-51#. **CEMENTED**
WITH: 1st Stage 650 Sax. 2nd Stage 2000 Sax.
Cement Circulated. **HOLE SIZE:** 13-3/4"

SECOND INTERMEDIATE CSG: Set @ 11,918'
CSG SIZE: 7-5/8", 29.7 - 33.7#. **CEMENTED**
WITH: 1,100 Sax. **HOLE SIZE:** 9-1/2"
The top of cement was found at /or near 4300' when the well was originally plugged. This casing was cut off and pulled at 4,362', leaving an 856' of cemented overlap inside the 10-3/4" Csg.

PRODUCTION CASING: Set @ 13,189'
CSG SIZE: 5" tapered to 5-1/2". **CEMENTED**
WITH: 350 Sax. **HOLE SIZE:** 6-1/2".
This casing was later cut off at 9700' and a CIBP was set at 7900' with 35' of cement on top. PSTD was 7865'. Perfs in Delaware 7132-7154 tested 45 BWPD, no Shows Oil or Gas. CIBP at 7110' w/cement on top. Perfed 7040-7080', tested 95 BWPD with no shows. CIBP at 7030 w/cement on top. Perfed 6876-6895', tested 2 BO w/5 BW. Ran tracer then squeezed perfs. After squeeze found top of cement at 6746'. Drilled out and re-tested 6876-6895 perfs, no shows. CIBP 6840' w/cement on top. Perfed from 6140-6160'. Acidized with 500 gals. Swabbed 135 BWPD average for nine days. found top water each day at 500' FS, no shows

CURRENT CONDITIONS OF HOLE: Well is shut in with a Plugged Back Total Depth of 6820'. The perforations 6140-6160 are open and have been tested thoroughly for no oil or gas shows. It is the intention of the Operator to open additional perforations in the Bell Canyon formations to inject produced water by gathering, treating, and pumping into various sand bodies between 5000' and 6160'.



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OIL CONSERVATION DIVISION FORM C-108
San Simon Water Disposal Co., Antelope Ridge Area
Section 10, 15, and 22, T23S, R34E. Lea County, NM

