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J. C. WILLIAMS		8. FARM OR LEASE HAME  CUTTY FESET2!			
P O. Box 16, Mic		9. WELL HO.			
LOCATION OF WELL (Report location c See also space 17 below.) At surface		10. FIELD AND POOL, OR WILDCAT			
	-	HMELOPE Kidge			
Unit N. Section 22		SURVEY OF ARMA			
Located 660' FSL	-	Sec. 40, T235, R34			
PERMIT NO. 15. BLEVATIONS (Show whether DF, ET, GE, etc.)		, 27, GR, etc.)		12. COUNTY OR PARISH   13. STATE	
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NOTICE OF INTEN	TION TO:		EUBERGUR	T REPORT OF:	
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DESCRIBE L'ROPOSED OR COMPLETED OPE	PATIONS (Clearly state all pert)	ROPERTY NO	11794	t and Log form.)	
proposed work. If well is directionent to this work.)	naily drilled, give subsurface l	OOL CODE 96	100	r all markers and sones pert	
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Federal Well No. 2 Estoril Producing Co. dispose of produced of New Mexico Oil Conformal request for Ri and pump water into leases and will substate years of productivity a out in detail the current.	servation Division and. ghts of Way on leases ow the subject well. Almos ntially reduce the operati as well as protect the envi- ent conditions of the subj	by J. C. Williamson der advisement for The Bureau of Langued and operated by at all of the water g ing cost of these lear ronment. Attach	d abando n) to a war administ d Managoy the app gathered is ases and ned are twailed pro	ned, then operated by vater injection well to trative approval by the ment is considering a plicant to gather, treat is produced on federal give them many more wo exhibits that will set	
work planned to conv	ert the subject well to wat	er disposal service.		Cont. Ada	
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hereby certiff that the foresting he	true and correct	-2	<u> </u>		
SIGNED AND SIGNED	essy title	Mad		DATE 5-20-95	
(This space for Federal or State office APPROVEORIG. SGD.) JOE CONDITIONS OF APPROVAL, IF AN	G. LARA	Petroleum Enginee	r	DATE 4/19/95	

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\*See Instructions on Reverse Side

EXHIBIT

SUPPLEMENT TO: APPLICATION OF:

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

OIL CONSERVATION DIVISION FORM C-108

San Simon Water Disposal Co., Antelope Ridge Area

Section 22, T23S, R34E. Lea County, NM 3

## INJECTION WELL DATA

**OPERATOR:** 

10.000

J. C. Williamson LEASE:

Curry Federal WELL No. 2

Page 3

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"

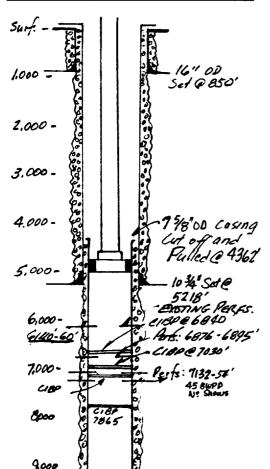
INTERMEDIATE CASING: Set @ 5218'
CSG. SIZE: 10-3/4", 40.4-51#, CEMENTED
WITH: 1st Stage 650 Sax. 2nd Stage 2000 Sax.
Cement Circulated. HOLE SIZE: 13-3/4"

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

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: APPLICATION OF:** 

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

#### 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)

**SURFACE CASING:** 

### **SCHEMATIC DRAWING OF WELL**

## TUBULAR DATA

Set @ 850 '

9-1/2"

CSG. SIZE: 16", 65#, H-40.CEMENTED WITH 450 Sx, Circulated, HOLE SIZE 20" INTERMEDIATE CASING: Set a 5218' 450 Sx, Circulated CSG. SIZE: 10-3/4", 40.4-51#, CEMENTED WITH: 1st Stage 650 Sax. 2nd Stage 2000 Sax. Cemented 2 st Cement Circulated. **HOLE SIZE:** 13-3/4" 75/2" Cut Circulated SECOND INTERMEDIATE CSG: Set a 11.918' @43<u>6</u>2' **CSG SIZE**: 7-5/8". 29.7 - 33.7#. **CEMENTED** WITH: 1,100 Sax, HOLE SIZE: The top of cement was found at /or near 4300' when

> PRODUCTION CASING: Set  $\hat{a}$  13.189' CSG SIZE: 5" tapered to 5-1/2". CEMENTED WITH: 350 Sax. HOLE SIZE: 6-1/2".

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.

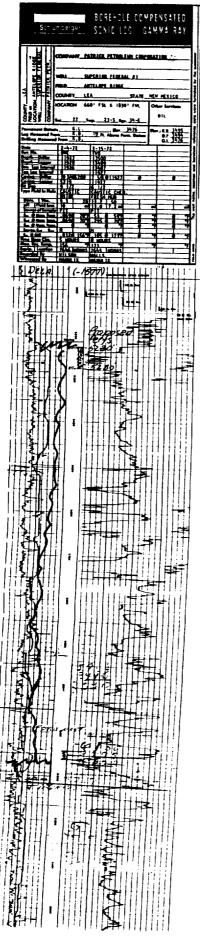
This casing was later cut off at 9700' and a CIBP was set at 7900' with 35' of cement on top. PBTD was 7865'. Perfs in Delaware 7132-7154 tested 45 BWPD, no Shows Oil or Gas. CIBP at 7110' w/cement on top. Perfed 7040-7080', tested 95 BWPD with no shows. CIBP at 7030 w/cement on top. Perfed 6876-6895', 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

lemented at 1st. 650 Se C 2 nd 2.000 Sm Perfs 7040-80' PBTD 7865'

ORIGINALLY DRILLED BY PATRICK PETR

**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'.

22 (N) -23- 1



## EXHIBIT "C":

## LEASEHOLD MAP OF SUBJECT AREA

Page 1

**SUPPLEMENT TO:** APPLICATION OF:

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

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