

JWD - 131

Form C-108
Revised 1-1-65NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR Continental Oil Company		ADDRESS 152 North Durbin St., Casper, Wyo. 82601	
LEASE NAME Jicarilla	WELL NO. 2	FIELD West Lindrith	COUNTY Rio Arriba
LOCATION UNIT LETTER D ; WELL IS LOCATED 600 FEET FROM THE west LINE AND 660 FEET FROM THE north LINE, SECTION 27 TOWNSHIP 25N RANGE 4W NMPM.			

CASING AND TUBING DATA					
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING	13 3/8"	202' RB	200	surface	circulated
INTERMEDIATE	None				
LONG STRING	Dakota 4 1/2"	7735'	655	7200'	calculated
	Gallup 4 1/2"	7014'	450	6400'	calculated
TUBING	Green Horn 2 7/8"	7488'	NAME, MODEL AND DEPTH OF TUBING PACKER		
	Dakota 2 7/8"	7381'	None		
	Gallup 2 3/8"	6572'			
NAME OF PROPOSED INJECTION FORMATION Mesaverde			TOP OF FORMATION 4954'	BOTTOM OF FORMATION 4983'	
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? 2 7/8" tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 4972-82', 4956-62'		
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Oil - Dakota, Gallup		HAS WELL EVER BEEN PERFORATED IN ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Yes		
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH (squeezed w/11.7) 6782-6842', 6852-6966', 7404-37' (cu. ft. cement) 7479-7554', 7630-36', 7662-7700'					
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Unknown		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 4160'		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 6507'	
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 80	MINIMUM 0	MAXIMUM 500	OPEN OR CLOSED TYPE SYSTEM Open	IS INJECTION TO BE BY GRAVITY OR PRESSURE? Pressure	APPROX. PRESSURE (PSI) 1200 psi Max.
ANSWER YES OR NO WHETHER THE FOLLOWING WATERS ARE MINERALIZED TO SUCH A DEGREE AS TO BE UNFIT FOR DOMESTIC, STOCK, IRRIGATION, OR OTHER GENERAL USE -		WATER TO BE DISPOSED OF Yes		NATURAL WATER IN DISPOSAL ZONE Yes	ARE WATER ANALYSES ATTACHED? Yes
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Federal Land - Jicarilla Apache Tribe					
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL None					
RECEIVED DEC - 7 1972 OIL CONSERVATION COM. RECEIVED DEC - 4 1972 OIL CON. COM. DIST. 3					
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER Santa Fe		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL None		THE NEW MEXICO STATE ENGINEER
ARE THE FOLLOWING ITEMS ATTACHED TO THIS APPLICATION (SEE RULE 701-B)	PLAT OF AREA Yes		ELECTRICAL LOG Yes		DIAGRAMMATIC SKETCH OF WELL Yes

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Original Signed By:
J. A. KUEN

Administrative Supervisor

11/30/72

(Signature)

(Title)

(Date)

NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection well, not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

NMOCC(3) USGS(2) File



1912

PRODUCED WATER ANALYSIS

1. Jicarilla 22 Lease

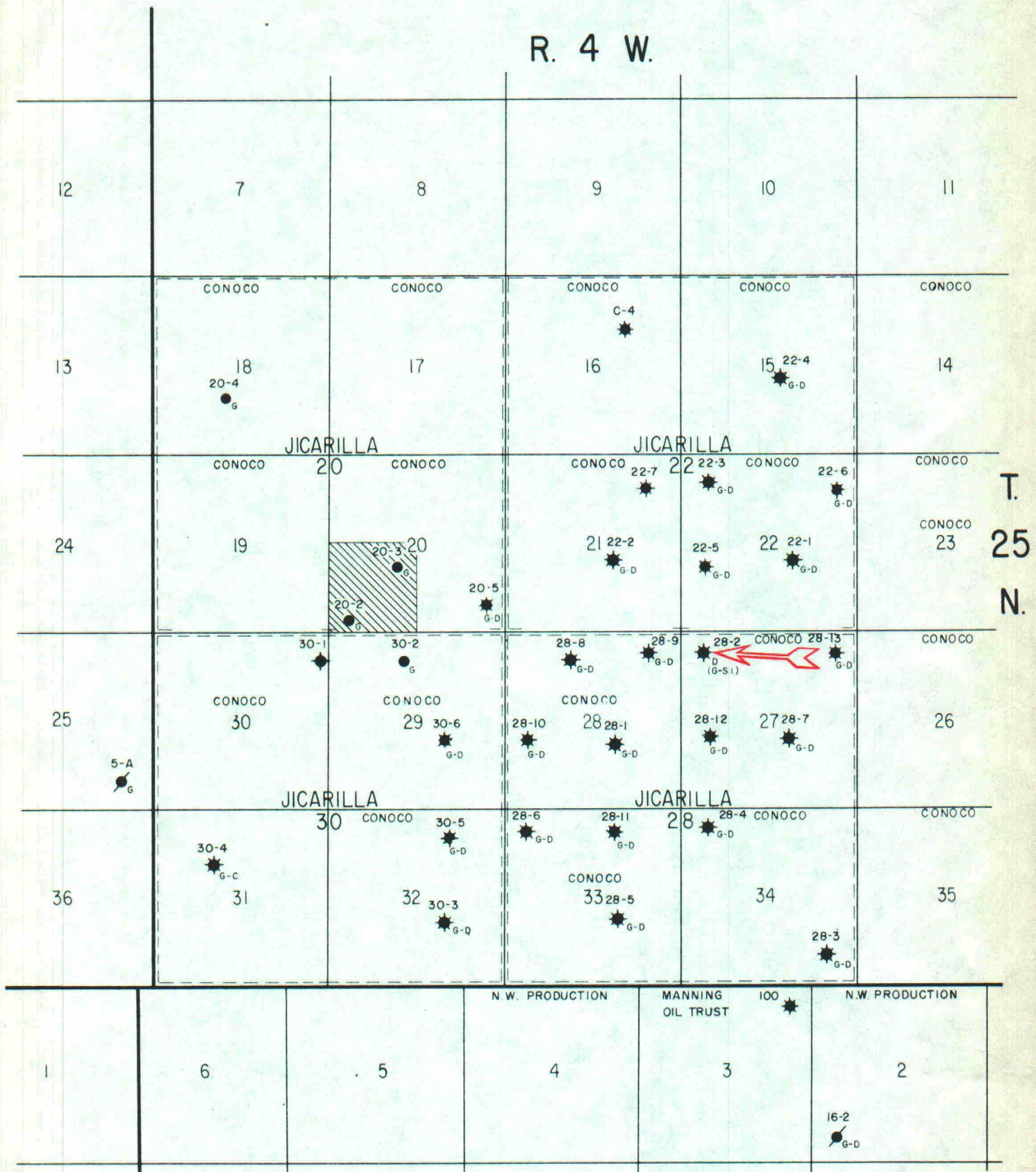
Sp. Gr. 1.011, Rw @ 73°F .471 ohm meters, pH 7.6

	<u>Meq/L</u>	<u>Mg/L</u>
Total Salts		14,400
H ₂ S		0
Cl	188.98	6,700
SO ₄	35.39	1,700
CO ₃	0	0
HCO ₃	10.80	659
Na	222.23	5,110
Mg	3.21	39
Ca	9.78	196
Fe (mg/L)	T 13.7	D 0
Sus. Sol.		120

2. Jicarilla 28 Lease

Sp. Gr. 1.010, Rw @ 73°F .505 ohm meters, pH 7.5

	<u>Meq/L</u>	<u>Mg/L</u>
Total Salts		12,600
H ₂ S		0
Cl	183.91	6,520
SO ₄	11.87	570
CO ₃	0	0
HCO ₃	12.19	744
Na	195.30	4,490
Mg	3.04	37
Ca	9.58	192
Fe (mg/L)	T 7.1	D 0.1
Sus. Sol.		105



— L E G E N D —

- LOCATION
- _G GALLUP OIL WELL
- _D DAKOTA OIL WELL
- ★_{G-D} DUAL - GALLUP (Oil) CHACRA (Gas)
DUAL - GALLUP (Oil) DAKOTA (Oil-Gas)
- SHUT-IN WELL
- ◆ ABANDONED WELL
- PROPOSED LOCATIONS - 1971
- PROPOSED LOCATIONS - 1970

CONTINENTAL OIL COMPANY
PRODUCTION DEPARTMENT
Casper, Wyoming



WEST LINDRITH BLOCK JICARILLA APACHE LEASES

County: Rio Arriba

Contour Interval -

State: New Mexico

Engineer:

Draftsman:

Date: 7-12-71

Scale = 4000'

Well Status Posted to: 11-72

WELL DATA SHEET

FIELD WEST LINDBRITH - JICARILLA

POOL & WELL NO. GALLUP-DAKOTA Well No. 28-2

WELL STATUS DUAL-COMPLETED PRODUCING OIL WELL

LOCATION 660 FNL, 600 FWL, SEC 27 T 25N,

R4W, Rio Arriba County, New Mexico

ELEVATION 6967' GRD 6978' RBM

TOTAL DEPTH 7738' PLUG DEPTH 7735'

SURFACE CASING 13 3/8" 48#/ft, H-40 set @ 192'

PRODUCTION CASING 4 1/2" @ 7735' (DAK. STRING)

2 7/8" @ 7488 (GREENHORN STRING)

4 1/2" @ 7014 (GALLUP STRING)

LINER _____

PRESENT COMPLETION 4956-4962, 4972-4982, 6616-6666

6735-6842, 6852-6966, 7479-7554, 7630-7656

7662-7700

TUBING _____

RODS _____

PUMP UNIT _____

HISTORY 9-2-60 Completion - SAND FAC GALLUP PERFS

6782-6842, 6852-6966 w/ 50,000# IFP 56 BOPD

SAND FAC DAKOTA PERFS 7479-7554, 7630-7656, 7662-

7700 w/ 100,000# IFP 88 BOPD. SQUEEZED GREENHORN

PERFS AND set plug at 6,000'

8-6-62 Perfs GALLUP 2 strbs/ 6735-6785, 6616-6666.

SAND FAC w/ 47,000# PERFS MESA VERDE 4972-4982,

4956-4962 SAND FAC w/ 18,000#

cmf w/ 420 MP

cmf PC thru collar @ 3382

w/ 230 MP

REMARKS RODS STUCK IN GALLUP STRING (TOP @ 6150').

DAKOTA STRING - Plunger Lift

Cliff House - BEING CONSIDERED FOR WATER DISPOSAL

cmf DAK w/ 270 MP

cmf PC thru collar @ 5691' w/ 800 MP

T @ 4954'
Cliff House
3 @ 4983'

BP

T @ 6501'

GALLUP

7315'

GREENHORN

7479'

DAKOTA

@ 7738'

TD-7738' RBM

3382
2980
7442
From NC-1210
file:
Top amt 2940
Top amt 4593
Top amt 6112
Top amt 7195

shoot @
6814-24
accidentally
perf 2 7/8
so they
set at 6000
4 1/2 set at 7014'
w/ stage collar @ 3382

2 7/8 set at 7488

w/ stage collar @ 5691'