

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-105  
Revised 1-1-89

# OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

API NO.  
30-045-21470

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

NMM036252

7. Lease Name or Unit Agreement Name

Canyon Trading post  
Disposal #1

8. Well No.

14

9. Pool name or Wildcat

Basin Dakota

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER ☐ Convert to a  
Produced Water  
Disposal Well  
b. Type of Completion: NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☒ OTHER ☐ See above

2. Name of Operator  
Maralex Disposal, LLC

3. Address of Operator  
P.O. Box 338, Ignacio, CO 81137

4. Well Location

Unit Letter C : 950 Feet From The North Line and 1600 Feet From The West Line

Section 26 Township 25N Range 11W NMPM San Juan County

10. Date Spudded 5/26/74 11. Date T.D. Reached 6/4/74 12. Date Compl. (Ready to Prod.) 5-1-01 13. Elevations (DF & RKB, RT, GR, etc.) 6556' GL, 6569' KB 14. Elev. Casinghead

15. Total Depth 6060' 16. Plug Back T.D. 6055' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name  
5958' - 6032' Lower Dakota

20. Was Directional Survey Made

21. Type Electric and Other Logs Run  
CBL, CCL-GR

22. Was Well Cored

23.

## CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	608'	12-1/4"	300 sx	
5-1/2"	15.5#	6060'	7-7/8"	800 sx	

## 24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	25. TUBING RECORD	SIZE	DEPTH SET	PACKER SET
						2-7/8"	5930'	5930'

26. Perforation record (interval, size, and number)  
See Attachment

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

See Attachment

## 28. PRODUCTION

Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in)

Date of Test Hours Tested Choke Size Prod'n For Test Period Oil - Bbl. Gas - MCF Water - Bbl. Gas - Oil Ratio

Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

30. List Attachments

Report of perforation squeeze, casing squeeze, perforating and frac.

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

A. M. O'Hare

Printed Name

A. M. O'Hare

Title President

Date 7/3/01

cc: BLM-Jim Labato

K

**MARALEX DISPOSAL, LLC  
CANYON NO. 14  
RE-COMPLETION TO PRODUCED WATER DISPOSAL WELL**

**950' FNL; 1600' FWL  
SECTION 26-T25N-R11W  
SAN JUAN COUNTY, NM**

The upper Dakota perforations were squeezed off and the well was re-completed in the Lower Dakota formation as follows:

Trip in hole to 5919'KB. Rig up to pump cement. Establish circulation with 5 BBl water. Spot 30 sacks Class B neat cement balanced plug. Displace with 32 BBl water. Pull out of hole 6 stands to 5544'. Reverse circulate 38 BBl water. Close casing valve and squeeze 1-1/2 BBls into perforations (5902-5906') in 3 stages. Final squeeze pressure 1,000 psig. Shut in well with 1000 psig. Job completed 10:30AM 5/1/01.

Well shut in after squeeze for 24 hours. Drill out cement and circulate hole clean to PBD of 6051'KB. Close pipe rams and pressure up on casing and tubing to 1350 psig. Bled down to 1,000 psig in 8 minutes. Squeeze not holding.

Isolate casing leak between 3378' to 3409'. Pressure up to 1500 psig and bled off to 1000 in 3 minutes. Release packer. Roll hole with 70 barrels water to balance fluid. Spot out 20 sx Class B neat cement balanced plug. Pull up 250'. Reverse circulate 27 BBls water. Set packer. Squeeze with .5 BBl water to 2,000 psig. Hesitate 10 minutes, pressure at 1850 psi. Squeeze with .25 BBl water to 2,000 psi. Hesitate 30 minutes, pressure at 1950 psi. Squeeze with .125 BBl water to 2,000 psi and shut in tubing.

Well shut in after squeeze 15 hours. Trip in hole to top of cement at 3263'. Drill out cement 3248'-3410'. Pressure test casing to 1500 psig. Bled down to 825 psig in 25 minutes. Trip in hole to 6036'.

Run CBL-CCL-GR log from PBD 6055' to 1000'. Run in hole to 3390' and shot squeeze holes at 3390'. Trip in hole with retrievable packer on 2-7/8" tubing to 3425'. Set packer and pressure test below packer to 1500 psi for 10 minutes. Held solid. Release packer. Pull up hole to 3301' and reset packer. Establish rate with produced water into squeezed perms at 1.5 BPM at 1700 psi. Release packer. Establish circulation and mix and pump 25 sacks Class B neat cement. Displace down tubing with 12 BBls produced water. Set packer and squeeze cement into leak and perms. Pressure up to 2000 psi. Squeezed approximately 1.5 BBls cement into holes. Wait on cement 24 hours.

SIP 975. Bleed off pressure. Release packer and trip out of hole. PU 4-3/4" tricone bit and bit sub and scraper. Tag cement at 3238'. Drill cement to 3392'. Circulate hole clean. Pressure test casing to 1550 psi for 25 minutes. Held like a rock. Bleed off pressure and open pipe rams.

Perforate the Lower Dakota intervals 5958'-5968' and 6012'-6032' with 4 JSPF using a 3-1/8" casing gun with 120 degree phasing.

Trip in hole to 6007'. Set packer to straddle interval 6012'-6032'. Pressure up to 2500 psi. Would not break. Open bypass and spot acid to top of packer. Close bypass and formation started taking fluid at 1700 psi. Displace 1000 gallons acid with 40 BBls produced water at 6.0 BPM and 2400 psi.

Set packer at 5955'. Set packer to straddle perms at 5958'-5968'. Pressure up to 2500 psi. Open bypass and spot acid to top of packer. Close bypass and formation started taking fluid at 1600 psi. Displace 500 gallons 15% HCL acid with 40 BBls produced water at 5.0 BPM and 2300 psi.

Frac Lower Dakota intervals 5958'-6032' down tubing as follows:

Pump 402 BBls (16885 gallons) pad.  
Pump 14,000 gallons at 1 PPG  
Pump 16,000 gallons at 2 PPG  
Pump 21,000 gallons at 3 PPG

Clean out wellbore. Swab test wellbore. Swab test well. Lay down rental string. Set injection packer at 5930'KB. Run in with seal bore assembly and 183 joints of 2-7/8" 8rd EUE internally coated tubing. Sting into packer and land tubing at 5930'. Release rig and wait on surface equipment and Right-of-Way for power.