

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on 070 FARMINGTON, NM 98 JUL -9 PM 1:23

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
790' FSL, 1500' FEL, Sec. 35, T-27-N, R-9-W, NMPM
C

5. Lease Number
SF-078135

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

Huerfanito Unit

8. Well Name & Number
Huerfanito U #98M

9. API Well No.
30-045-28946

10. Field and Pool
Basin Fruitland Coal

11. County and State
San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent	☐ Abandonment	☐ Charge of Plans
☐ Subsequent Report	☒ Recompletion	☐ New Construction
☐ Final Abandonment	☒ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other - abandon Mesaverde & Dakota	

13. Describe Proposed or Completed Operations

It is intended to plug back the subject well to the Fruitland Coal formation according to the attached procedure and wellbore diagram.

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OIL CON. DIV.
DIST. 3

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OIL CON. DIV.
DIST. 3

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

Signed Nancy Olthaus (PMP1) Title Regulatory Administrator Date 7/8/96

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

Date **APPROVED**

Aug 27 1996
DISTRICT MANAGER
Spencer

NMOC

✓

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

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Form C-10
Revised February 21, 199
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

070 FARMINGTON, NM ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-28946		Pool Code 71629		Pool Name Basin Fruitland Coal					
Property Code 7138		Property Name Huerfanito Unit						Well Number 98M	
GRID No. 14538		Operator Name MERIDIAN OIL INC.						Elevation 6292'	
10 Surface Location									
UL or lot no. O	Section 35	Township 27 N	Range 9 W	Lot Ids	Feet from the 790	North/South line South	Feet from the 1500	East/West line East	County S.J.
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres E/320		Joint or Infill		Consolidation Code		Order No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16	Not resurveyed, prepared from a plat dated 2-3-93 by Neale C. Edwards.	
RECEIVED SEP - 1 1996 OIL CON. DIV. DIST. 3		
35		
1500'		
790'		

17 OPERATOR CERTIFICATION

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

Nancy Oldmans - for
Signature
Peggy Bradfield
Printed Name
Regulatory Administrator
Title
7-8-96
Date

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

7-1-96
Date of Survey
Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
REGISTERED
6857
6857
Certificate Number

HUERFANITO UNIT #98M FRTC
 Recompletion Procedure
 O 35 27 9
 San Juan County, N.M.
 Lat-Long: 36.526443 - 107.754110

1. Comply to all NMOCD, BLM, & MOI rules & regulations. MOL and RU completion rig. NU 6" 900 series BOP w/flow tee and stripping head. Test operation of rams. NU blooie line & 2-7/8" relief line.
2. Set blanking plug in S.N. of 2-3/8" tbg @ 6559' & test to 3000 psi. TOH w/2-3/8" tbg. Run 4-1/2" cmt ret on 2-3/8" tbg & set @ 6425'. Sq DK perfs w/40 sx cmt. This will fill inside csg from bottom perf to cmt retainer w/100% excess cmt.
3. PU tbg & spot 11 sx cmt 5567'-5467'. This will fill inside the csg 50' above & below top of Gallup w/50% excess. TOH.
4. TIH w/4-1/2" cmt ret & set @ 4030'. Sq MV perfs w/100 sx cmt. This will fill inside csg from bottom perf to cmt retainer w/100% excess cmt.
5. PU tbg & spot 11 sx cmt 3399'-3299'. This will fill inside the csg 50' above & below top of Mesaverde w/50% excess.
6. MI Blue Jet. Set CIBP @ 2300'. Run CBL & an advanced integrated data processing GSL neutron log 2300'-1700'. Run 4-1/2" pkr on 2 jts tbg & pressure test to 4200 psi.
7. Using GSL log, Perf about 65' of FRTC w/2 spf from about 1910' to 2078'. Perf using 3-1/8" hollow steel carrier guns loaded w/Owen HSC 13 grn. charges phased at 180 degrees & 2 spf. Average perf dia. = 0.48". Average penetration is 18" in Berea.
8. Fill 3 - 400 bbl. frac tanks with 1% KCL water. Filter all water to 25 microns. Two tanks are for gel & one tank for breakdown water. Usable gel water required for frac is 416 bbls.
9. TIH w/4-1/2" pkr on 2-3/8" tbg & set @ 1700'. W/1000 psi on backside, breakdown FRTC perfs w/2500 gal. 15% HCL acid & 150% excess 7/8" 1.3 sp gr RCN perf balls. (1 gal/1000 corrosion inhibitor). Max. pressure is 5000 psi Lower pkr to 2080' to knock off perf balls. TOH.
10. Run 4-1/2" pkr on 2 jts 2-7/8" N-80 tbg w/shaved collars to protect wellhead. Frac FRTC down csg w/57,000 gals. of 70 quality foam using 30# gel as the base fluid & 100,000# 20/40 Arizona sand. Pump at 50 BPM. Monitor bottom hole & surface treating pressures, rate, foam quality, & sand concentration with computer van. Sand to be tagged w/ 0.4 mCi/1000# Ir-192 tracer. Max. pressure is 4200 psi & estimated treating pressure is 2500 psi. Treat per the following schedule:

Stage	Foam Vol. (Gals.)	Gel Vol. (Gals.)	Sand Vol. (lbs.)
Pad	12,000	3,600	---
1.0 ppg	10,000	3,000	10,000
2.0 ppg	20,000	6,000	40,000
3.0 ppg	10,000	3,000	30,000
4.0 ppg	5,000	1,500	20,000
Flush	(1,273)	(382)	0
Totals	57,000	17,100	100,000#

Treat frac fluid w/the following additives per 1000 gallons::

- * 30# J-48 (Guar Gel mix in full tank - 16,000 gal)
- * 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
- * 1.0# GVV-3 (Enzyme Breaker mix on fly)
- * 1.0# B - 5 (Breaker mix on fly)
- * 3.0 gal Fracfoam I (Foamer mix on fly)
- * 0.38# FracCide 20 (Bactericide mix on full tank)

- 11. Open well through choke manifold & monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. Take pitot gauges when possible. TOH w.pkr.
- 12. TIH w/notched collar on 2-3/8" tbg & C.O. to 2300' w/air/mist. Monitor gas & water returns & Take pitot gauges when possible.
- 13. When wellbore is sufficiently clean, TOH & run after frac gamma-ray log from 2300'-1600'.
- 14. TIH w/2-3/8" 4.7# J-55 EUE tbg w/standard seating nipple one joint off bottom & again cleanout to 2300'. When wellbore is sufficiently clean, land tbg @ 2000' KB. Take final water and gas samples & rates.
- 15. ND BOP & NU wellhead & tree. Rig down & release rig

Recommended: _____
Production Engineer

as far as dist
Approved: W.S. J. 6/25
Drilling Superintendent

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	BJ	327-6222
RA Tag:	Pro-Technics	326-7133

PMP

Pertinent Data Sheet - HUERFANITO UNIT #98M MV-DK

Location: 790' FSL & 1500' FEL, Unit O, Section 35, T27N, R09W, San Juan County, New Mexico

Field: Basin Fruitland Coal

Elevation: 6292' GL
13' KB

ID: 6768'
PBTD: 6723'

Completed: 8-5-93 **Spud Date:** 5-12-93

DP #: DK=36528A
MV=36528B
FRTC=36528C
Lease: Fed. SF-078135
GWl: FRTC=100%
NRI: FRTC=72.5%
Prop#: MV=0023403
DK=0079705

Initial Potential:

CAOF=1294 MCF/D; Q=955 MCF/D; SICP=920 PSI

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Cement (Top)</u>
12-1/4"	8-5/8"	24# K-55	230'	247 cf.	Circ 12 Bbl Cmt
7-7/8"	4-1/2"	11.6# K-55	6768'	342 cf.	Circ 25 Bbl Cmt
			DV Tool @ 4499'	1195 cf	Circ 22 Bbl Cmt
			DV Tool @ 1581'	717 cf	Circ 24 Bbl Cmt

Tubing Record:

<u>Tbg. Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
2-3/8"	4.7# J-55	6591'
		S.N. @ 6559'

Formation Tops:

Ojo Alamo:	1204'	Mesaverde	3349'
Kirtland Shale:	1379'	Gallup	5517'
Fruitland:	1852'	Greneros	6458'
Pictured Cliffs:	2080'	Dakota	6506'

Logging Record: DIL, ML, LDT/CNL, NGT

Stimulation: Perfed Lower DK @ 6718'-22' & acidized w/1500 gal 5% HCL. Set cmt ret @ 6710' & topped w/2 sx cmt. Perfed DK @ 6475'-6681' & fraced w/100,000# sand in 70Q foam. Perfed MV @ 4695'-4080' & fraced w/165,000# sand in slick water. Using RBP & pkr combo, tested MV intervals extensively. Sq MV 4665'-95' w/100 sx cmt. Sq MV 4396'-410' w/24 Bbl cmt. Sq MV 4451'-4612' w/100 sx. Resq MV 4451'-4695' w/21 Bbl cmt. [Only Menefee @ 4080'-4244' is now open to production]. Completed as a commingled DK-MV.

Workover History: NONE

Production History: 1st delivered 4-7-94 as a commingled MV-DK well. Total cum is 442 MCF. Every effort has been made to enable the well to produce on line including plunger lift, wellhead compression, and swabbing - all unsuccessful.

Pipeline: EPNG

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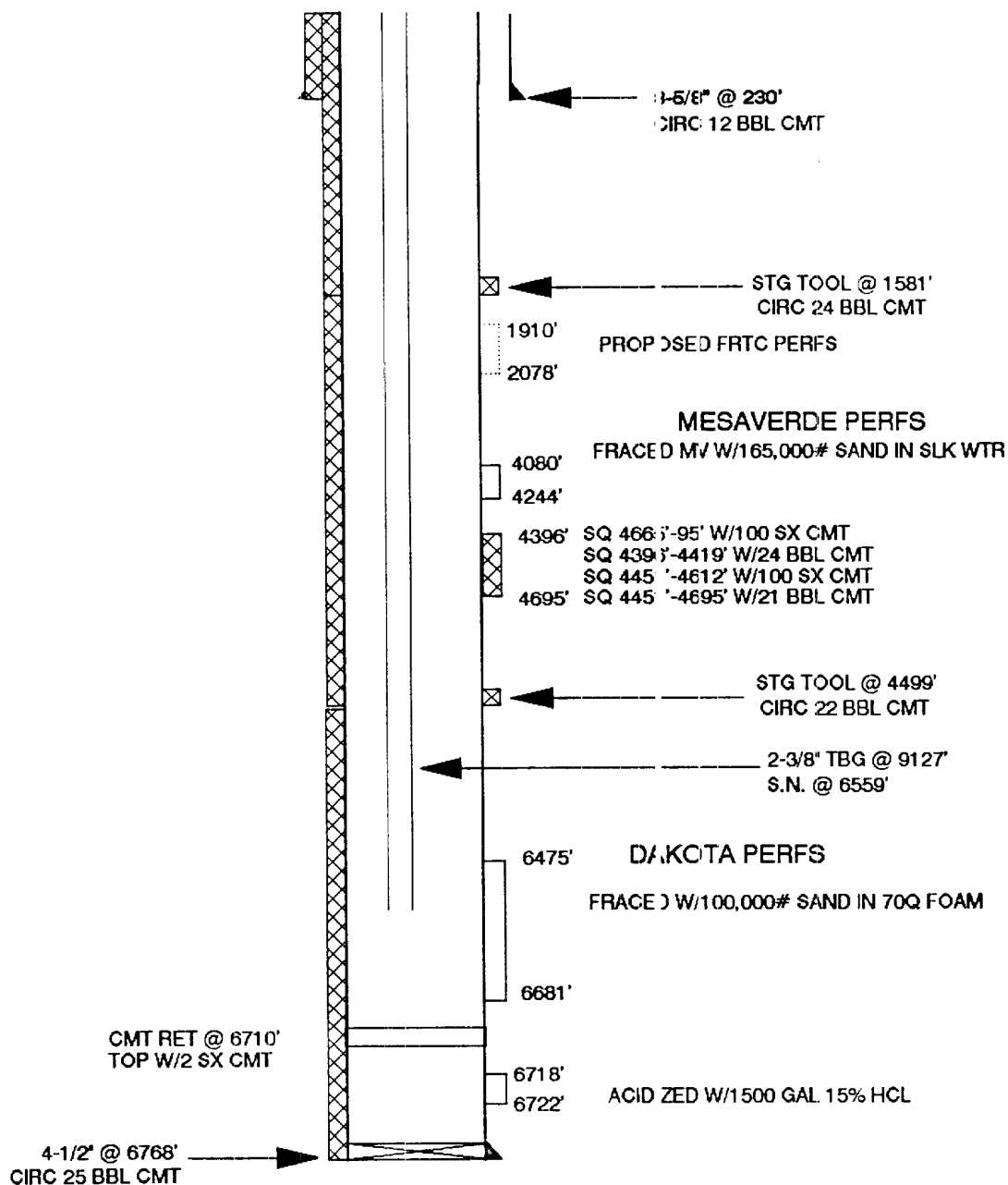
96 JUL -9 PM 1:23

070 FARMINGTON, NM

HUERFANITO UNIT # 98M MV-DK

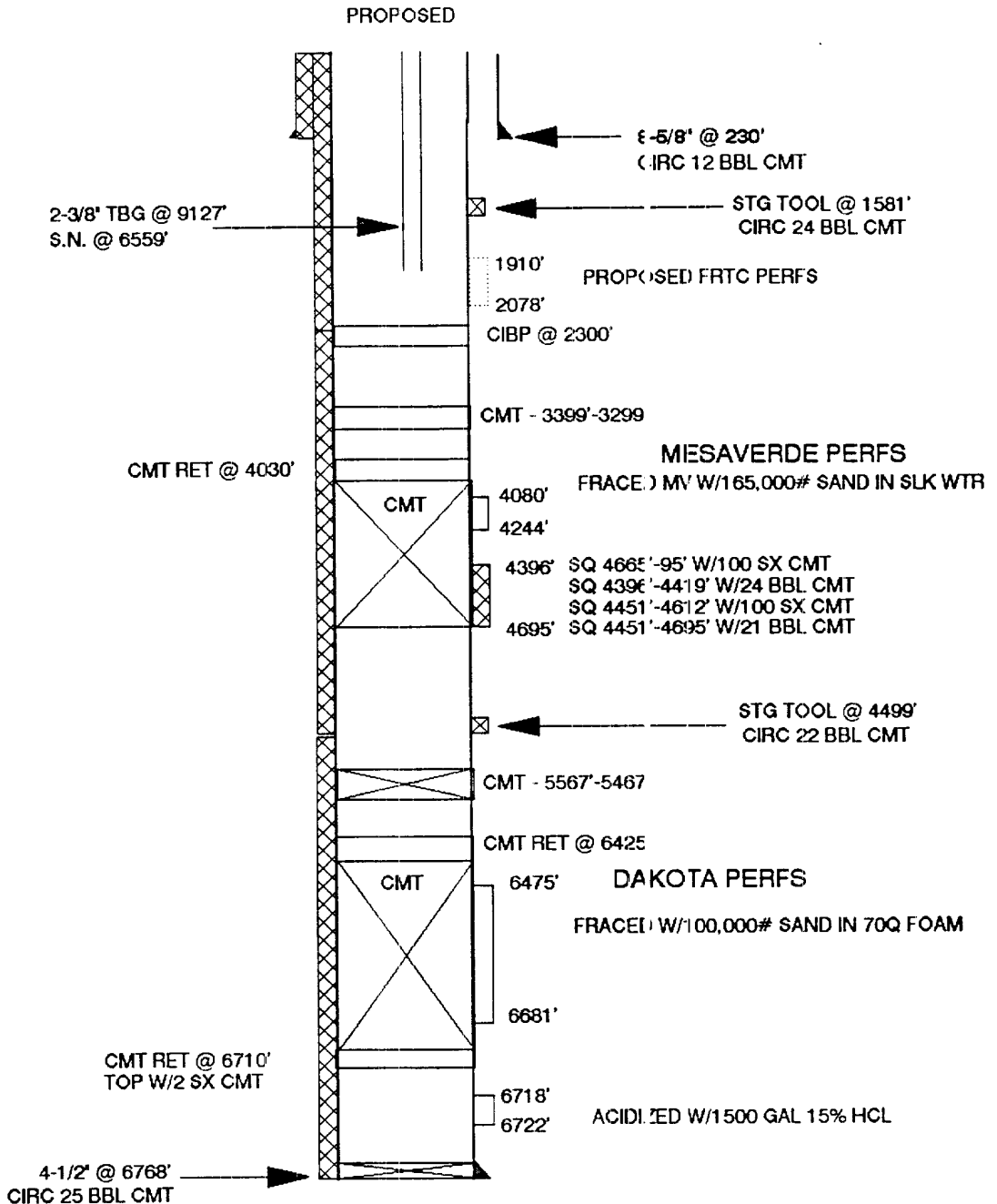
UNIT G SECTION 35 T27N R9W
SAN JUAN COUNTY, NEW MEXICO

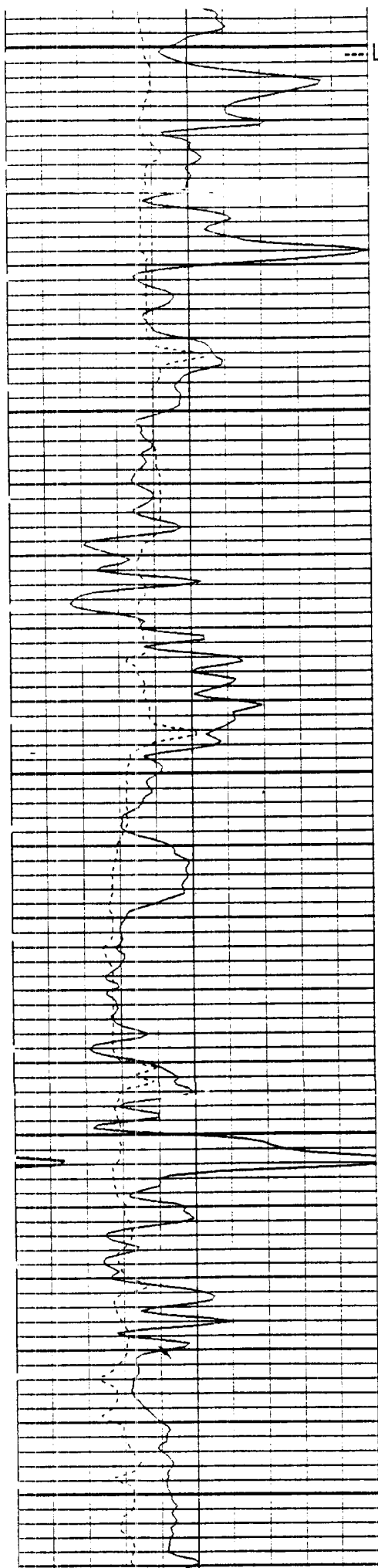
PRESENT



HUERFANITO UNIT # 98M VV-DK

UNIT G SECTION 35 T27N R9W
SAN JUAN COUNTY, NEW MEXICO





---LR--- 1900

2000

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HITO

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035 27 9

