

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well gas well other Salt Water Disposal

2. NAME OF OPERATOR
Merrion Oil & Gas Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1017, Farmington, New Mexico 87401

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1830' FSL & 1830' FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: Same

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

5. LEASE
14-20-603-2198

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Navajo H

9. WELL NO.
13

10. FIELD OR WILDCAT NAME
~~Utah Gallup~~ Cliffhouse Mesaverde

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13, T29N, R14W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5270' DF

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

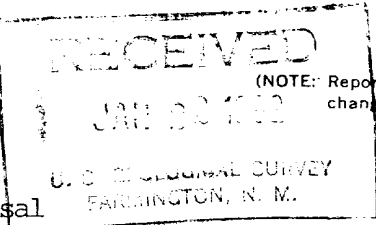
PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Convert To Salt Water Disposal



(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See Attached.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED _____ TITLE President DATE 1/22/82

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL _____

APPROVED

JAMES F. SIMS

FEB 16 1982

For **JAMES F. SIMS**
DISTRICT ENGINEER

ACCEPTED FOR RECORD

FEB 16 1982

FARMINGTON DISTRICT
BY RB

NMOCC

*See Instructions on Reverse Side

MERRION OIL & GAS CORPORATION

NAVAJO H 13
Sec. 13, T29N, R14W
San Juan County, New Mexico

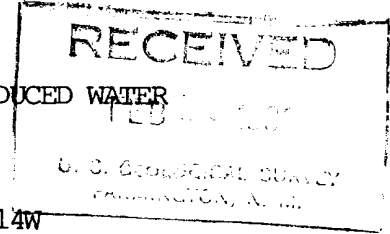
Plugged Gallup as follows:

- Set packer at 4967'*
- 6/17/81 Squeezed 10 sx to formation under packer.
Spotted 5 sx 4967 - 4940
Spotted 15 sx 4665 - 4565
Pulled tubing. Perforated 4 holes 3320.
- Set packer at 3100'*
- 6/19/81 Squeezed 3320 with 35 sx cement. } 2% CaCl₂. Packer tested and found
hole in casing at 2500'. } *Spot cement from 3320' to 3220'*
inside + outside casing.
- 6/20/81 Perforated 2320. Ran packer to 2370. Squeezed with 50 sx. Squeezed
with 15 sx. Did not hold.
- Pulled packer and*
- 6/22/81 Set retainer 2370 and squeezed with 120 sx. Pick up out of retainer
and squeezed hole at 2320.
- 6/23/81 Drill out cement, retainer and cement. Pressure test to 500 psi.
Held OK.
- 6/24/81 Perf 2490 - 2520 w/2 shots per foot. Ran Model A Tension Packer on
78 joints plastic lined tubing. Circulated hole and placed water
treated with Adomall Bactericide between tubing and casing. Set
packer and acidized Cliffhouse 2490 - 2520 with 250 gal. acid. Took
injection rate - 1 BPM at 350 psi.

MERRION OIL & GAS CORPORATION

P. O. Box 1017
Farmington, New Mexico

APPLICATION FOR APPROVAL TO DISPOSE OF PRODUCED WATER



Re: NTL 2B

LEASE: Navajo H
FIELD: Totah Gallup
LEASE NO: 14-20-603-2198

LOCATION: 29N, 14W
San Juan County, New Mexico

- I. Approval is requested to dispose of produced water by subsurface injection.
- II. This application is made pursuant to Sec II of NTL 2B. The following information is submitted.
 - A. Injection Well : Navajo H #13
1830 FSL & 1830 FEL
Sec. 13, T29N, R6W
San Juan County, New Mexico
(See attached application to New Mexico Oil Conservation Commission)
 - B. Produced Water: 50 - 500 BPD from Mesaverde and Pictured Cliffs. (Water analysis attached.)
 - C. Injection Formation: Cliffhouse, Mesaverde (see attached application to New Mexico Oil Conservation Commission.)
 - D. Water Quality: ~~(See attached water analysis.)~~ Water in injection interval is of similar quality.
 - E. Water Aquifers: Surface alluvium extends along San Juan River.
 - F. Injection Well Completion: (See attached Sundry Notice and Well Bore Diagram.)
 - G. General: Injection system and volumes will be monitored by field personnel. In the event of injection system shutdown, producing wells will be shut-in to effect repairs.

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



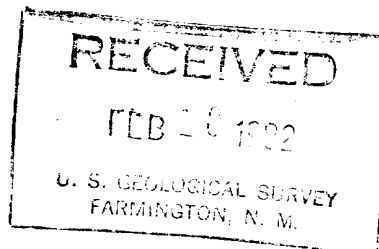
STEVEN S. DUNN, Engineer

2/10/82

Date

J. GREGORY MERRION
PETROLEUM ENGINEER
P. O. BOX 807
FARMINGTON, NEW MEXICO 87401

September 11, 1979



State of New Mexico
Energy and Minerals Department
Oil Conservation Division
1000 Rio Brazos
Aztec, NM 87410

Gentlemen:

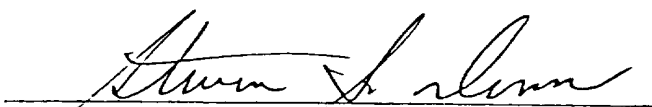
Enclosed please find our application for approval of salt water disposal into the subsurface reflecting a change of plans.

We propose to change the injection zone from the Gallup to the Cliffhouse Mesa Verde at 2490-2520 feet. Cement will be squeezed across this zone as instructed by the District Engineer.

If further information is required, please advise.

Yours truly,

MERRION & BAYLESS


STEVEN S. DUNN

SSD/pb

Enclosure

NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR J. Gregory Merrion and Robert L. Bayless		ADDRESS P.O. Box 507, Farmington, NM 87401	
LEASE NAME Navajo H	WELL NO. 13	FIELD Totah Gallup	COUNTY San Juan
LOCATION UNIT LETTER K ; WELL IS LOCATED 1830 FEET FROM THE South LINE AND 1830 FEET FROM West LINE, SECTION 13 TOWNSHIP 29N RANGE 14W NMPM.			

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
SURFACE CASING					
INTERMEDIATE	8-5/8	204'	180	Surface	Circulated
LONG STRING	none				
TUBING	4-1/2	5138	200	4140	Calculated
NAME, MODEL AND DEPTH OF TUBING PACKER					
Baker model A Tension Packer					

NAME OF PROPOSED INJECTION FORMATION Cliffhouse		TOP OF FORMATION 2490	BOTTOM OF FORMATION 2520
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Plastic lined tubing		PERFORATIONS OR OPEN HOLE? Perforations	PROPOSED INTERVAL(S) OF INJECTION 2490-2520
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No	IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? Gallup Oil Production		HAS WELL EVER BEEN PERFORATED IN ZONE OTHER THAN THE PROPOSED INJECTION ZONE? Gallup 4990-4997

DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Surface Alluvium - 100'		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA Pictured Cliffs - 1100'	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA Pt. Lookout - 3650'
ANTICIPATED DAILY INJECTION VOLUME (BBLs.)	MINIMUM 50	MAXIMUM 500	APPROX. PRESSURE (PSI) less than 500
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
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Navajo Tribe, Window Rock, Arizona, ATTN: Minerals Supervisor		ARE WATER ANALYSES ATTACHED? No	

LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL

J. Gregory Merrion and Robert L. Bayless are only operators within 1/2 mile of this injection well (see Location Map). Other information: Water to be injected is produced from the Pictured Cliffs and Mesa Verde Formations.

HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWNER Yes	EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL Yes	THE NEW MEXICO STATE ENGINEER Yes
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.

Steven L. ... **ENGINEER** 9/12/79
(Signature) (Title) (Date)

NOTE: Should waivers from the State Engineer, the surface owner, and all operators within one-half mile of the proposed injection 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.



BAROID TREATING CHEMICALS

			SHEET NUMBER	
COMPANY MERRION AND BAYLESS			DATE APRIL 30, 1975	
FIELD OR PLANT		COUNTY OR PARISH SAN JUAN	STATE NEW MEXICO	
LEASE OR UNIT	WELL(S) NAME & NO. NAVAJO H	SAMPLE SOURCE PRODUCTION UNIT		
TYPE SAMPLE PRODUCED WATER		TYPE TEST CHLORIDE, SULFATE, TDS		
REASON FOR TEST				

RESULTS:

Chloride, mg/l	700
Sulfate, mg/l	70
Total Dissolved Solids, mg/l	2,520

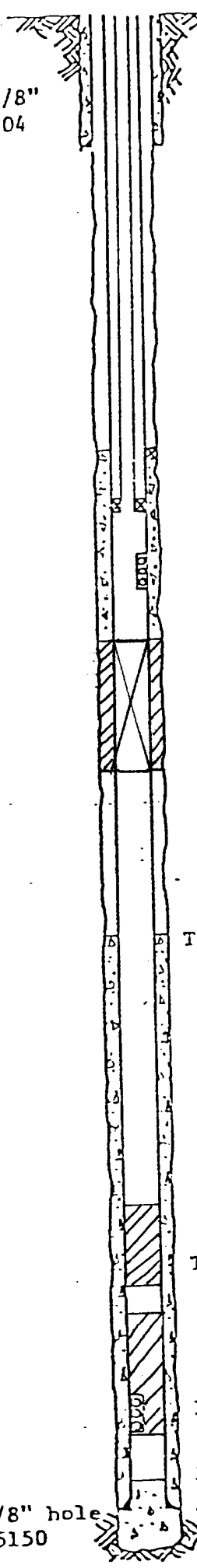
REMARKS & RECOMMENDATIONS:

SALES ENGINEER BOB CUDD	DIST. NO.	ADDRESS FARMINGTON NM	OFFICE PHONE	HOME PHONE
TESTED BY HEATHER MANN	DATE 4-30-75	DISTRIBUTION: <input type="checkbox"/> CUSTOMER <input type="checkbox"/> AREA OR <input type="checkbox"/> DISTRICT OFFICE <input type="checkbox"/> SALES ENGINEER OR <input type="checkbox"/> CHEM. LAB <input type="checkbox"/> CHEM. SALES SUPERVISOR		

1830 FSL & 1830 FWL
Sec. 13, T19N, R14W
San Juan County

MERRION-BAYLESS	
DATE	9-27-78
BY	none
Wellbore Diagram	

5261 G.L.
12-1/4" hole
8-5/8" @ 204



Model 'A' tension packer @ 2480 w/ 2-3/8" plastic lined tubing

Top of injection zone 2490'
Cliffhouse-Mesa Verde 2490-2520'

Place cement across Cliffhouse and squeeze per instructions from District Engineer when hole in casing located. (See Sundry Notice)

3320 w/35 sx.

Top of Cement 4140 ft. Calculated

4565 w/15 sx.

Top Gallup 4615 ft.
4665'

4940 w/15 sx.

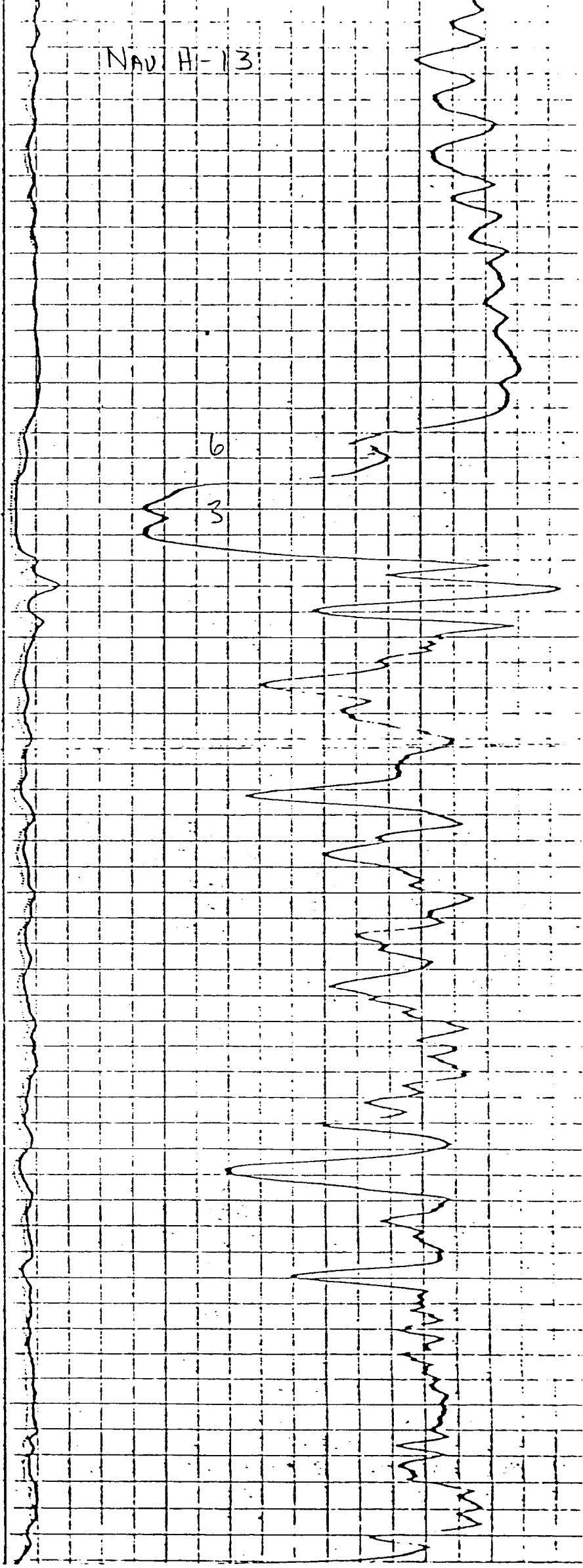
Perfs 4990 - 4997' Gallup

PBD 5102 ft.

7-7/8" hole to 5150

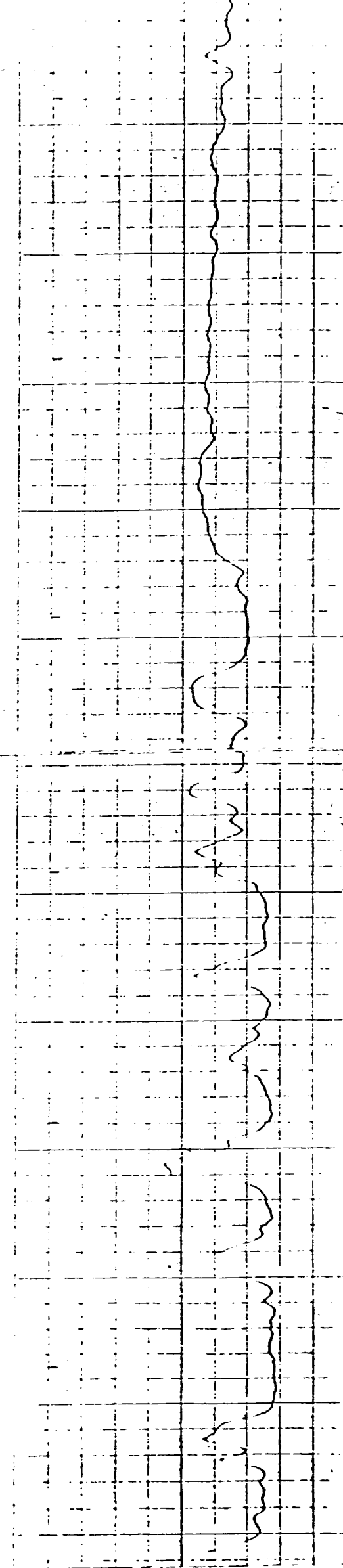
4-1/2" @ 5138 w/ 200 sx

NAV HI-13







00 2400 2500 2600 2700 2800 2900

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LEGEND

-  DRY HOLE OR ABANDONED
-  GALLUP PRODUCER
-  PICTURE CLIFF PRODUCER
-  DAKOTA PRODUCER

RECEIVED
FEB 24 1968
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

MERRION & BAYLESS

1" = 1/2 MILE 9/27/78 BY: SSD

LOCATION MAP

PROPOSED SALT WATER

DISPOSAL WELL

SAN JUAN COUNTY

