

J. GREGORY MERRION
PETROLEUM ENGINEER
P. O. BOX 507
FARMINGTON, NEW MEXICO 87401

SWD 217

September 28, 1978

New Mexico Oil Conservation Commission
1000 Rio Brazos
Aztec, NM 87410

Gentlemen:

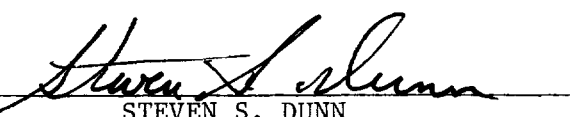
Enclosed please find our application for approval of Salt Water Disposal into the subsurface. We have forwarded a copy of this application to the Navajo Tribe which is the surface owner.

There are no other subsurface operators within 1/2 mile of the proposed well and therefore we are seeking administrative approval for this application.

Yours truly,

MERRION & BAYLESS

By


STEVEN S. DUNN

SSD/pb

Enclosures

10/17/78
This well
was converted to
water injection in
the Pan American
Total Ref Pres Maint
Proj # 8-24-62
R-2162 authorized
do not find
the order
which
authorized
this particular
well —
OK to approve
admin for
SWD



GREGORY MERRION
PETROLEUM ENGINEER
P. O. BOX 507
GILTON, NEW MEXICO 87401

Hold

This is smack dab
in middle of Total -
Gallup Oil Pool.

10/5 - Told Kendrick
we can't give adm. OK.

He will talk to M & B
about it. May go for a
hearing.

OK for
admin
approval
JSD
10/17

on Commission

application for approval of Salt Water
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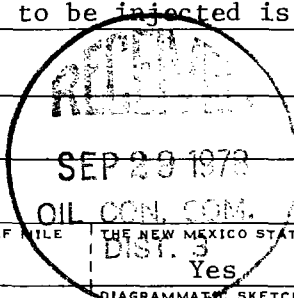
Steven S. Dunn
STEVEN S. DUNN

SSD/pb

Enclosures

10/17/78
This well
was converted to
water injection in
the Pan American
Total Ref Pres Maint
Proj # 1
R-2162 8-24-62
do not find
the order
which
authorized
this particular
well -
OK to approve
admin for
SWD

NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION

OPERATOR J. Gregory Merrion & 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 THE West LINE, SECTION 13 TOWNSHIP 29N RANGE 14W NMPM.			
CASING AND TUBING DATA			
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT
SURFACE CASING	8-5/8"	204'	180
INTERMEDIATE	none		
LONG STRING	4-1/2"	5138'	200
TUBING	2-3/8"	4967	4140 ft.
NAME, MODEL AND DEPTH OF TUBING PACKER Baker Mod. "P" @ 4967		TOP DETERMINED BY Calculated	
NAME OF PROPOSED INJECTION FORMATION Gallup		TOP OF FORMATION 4990	BOTTOM OF FORMATION 4997
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? Tubing		PERFORATIONS OR OPEN HOLES? Perforations	PROPOSED INTERVAL(S) OF INJECTION 4990-4997
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 ANY ZONE OTHER THAN THE PROPOSED INJECTION ZONE? No
LIST ALL SUCH PERFORATED INTERVALS AND SACKS OF CEMENT USED TO SEAL OFF OR SQUEEZE EACH None			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA Surface Alluvium - 100 ft.		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA 3650	DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA none
ANTICIPATED DAILY INJECTION VOLUME (BBLs.) 10 bbls	MINIMUM 500 bbls	MAXIMUM Closed	OPEN OR CLOSED TYPE SYSTEM as required
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 - Yes		NATURAL WATER IN DISPOSAL ZONE Yes	APPROX. PRESSURE (PSI) less than 500
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Navajo Tribe, Window Rock, Arizona ATTN: Minerals Supervisor			
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 Mesaverde 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

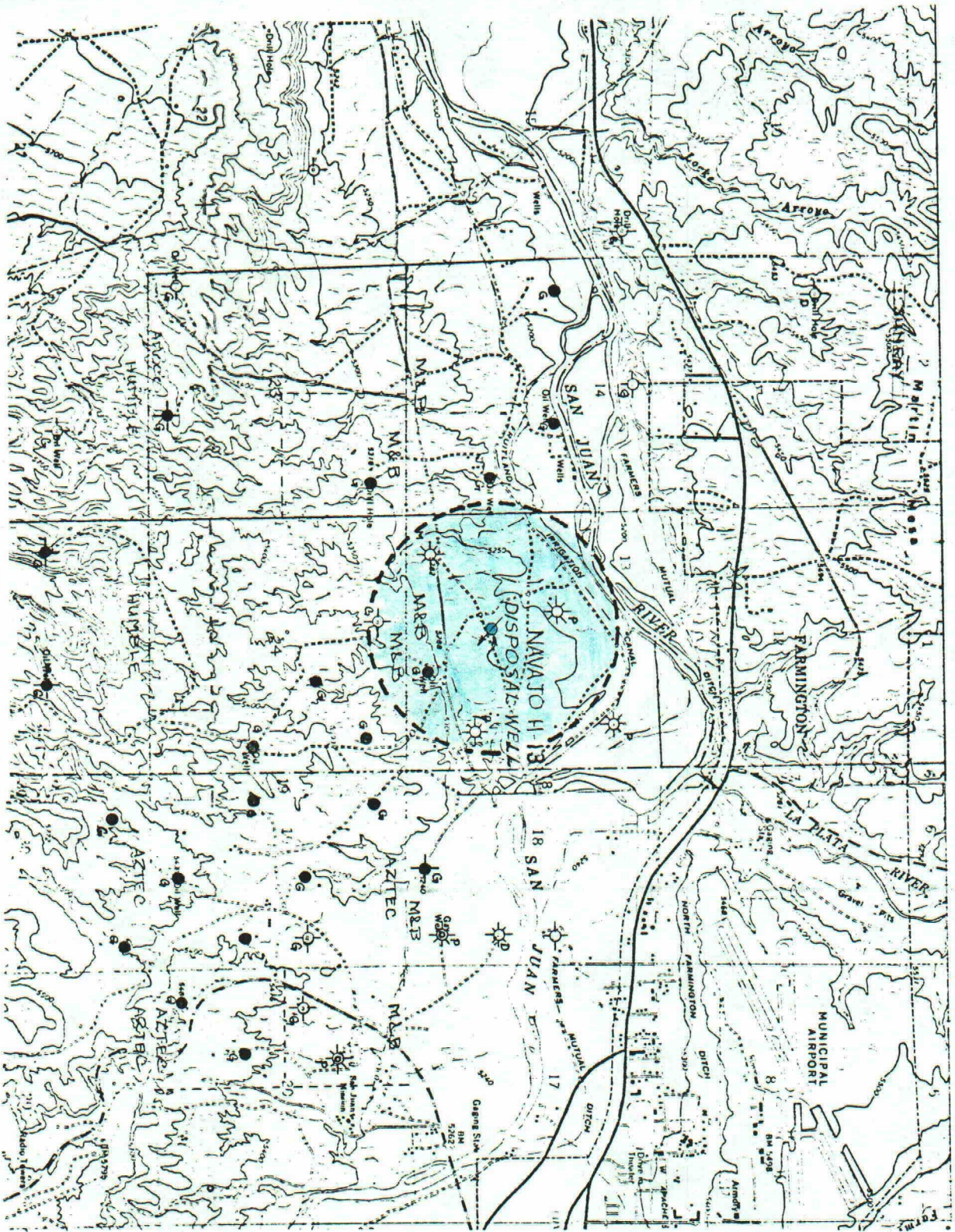
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Steven A. Lunn
(Signature)

Engineer
(Title)

9-26-78
(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.



LEGEND

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

T 29 N

MERRION & BAYLESS

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

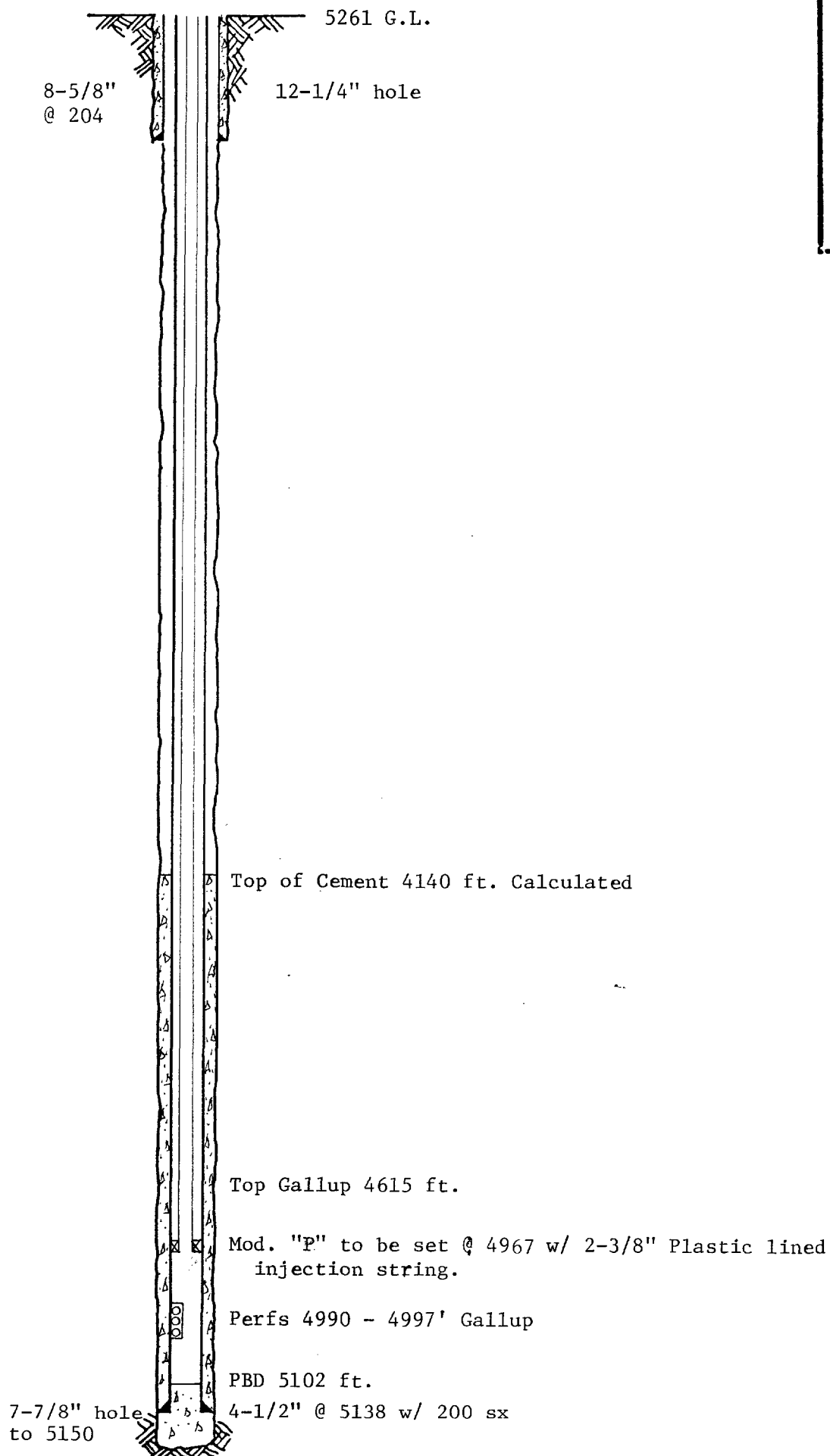
LOCATION MAP

PROPOSED SALT WATER

DISPOSAL WELL

SAN JUAN COUNTY

NAVAJO H-13
1830 FSL & 1830 FWL
Sec. 13, T29N, R14W
San Juan County



MERRION~BAYLESS

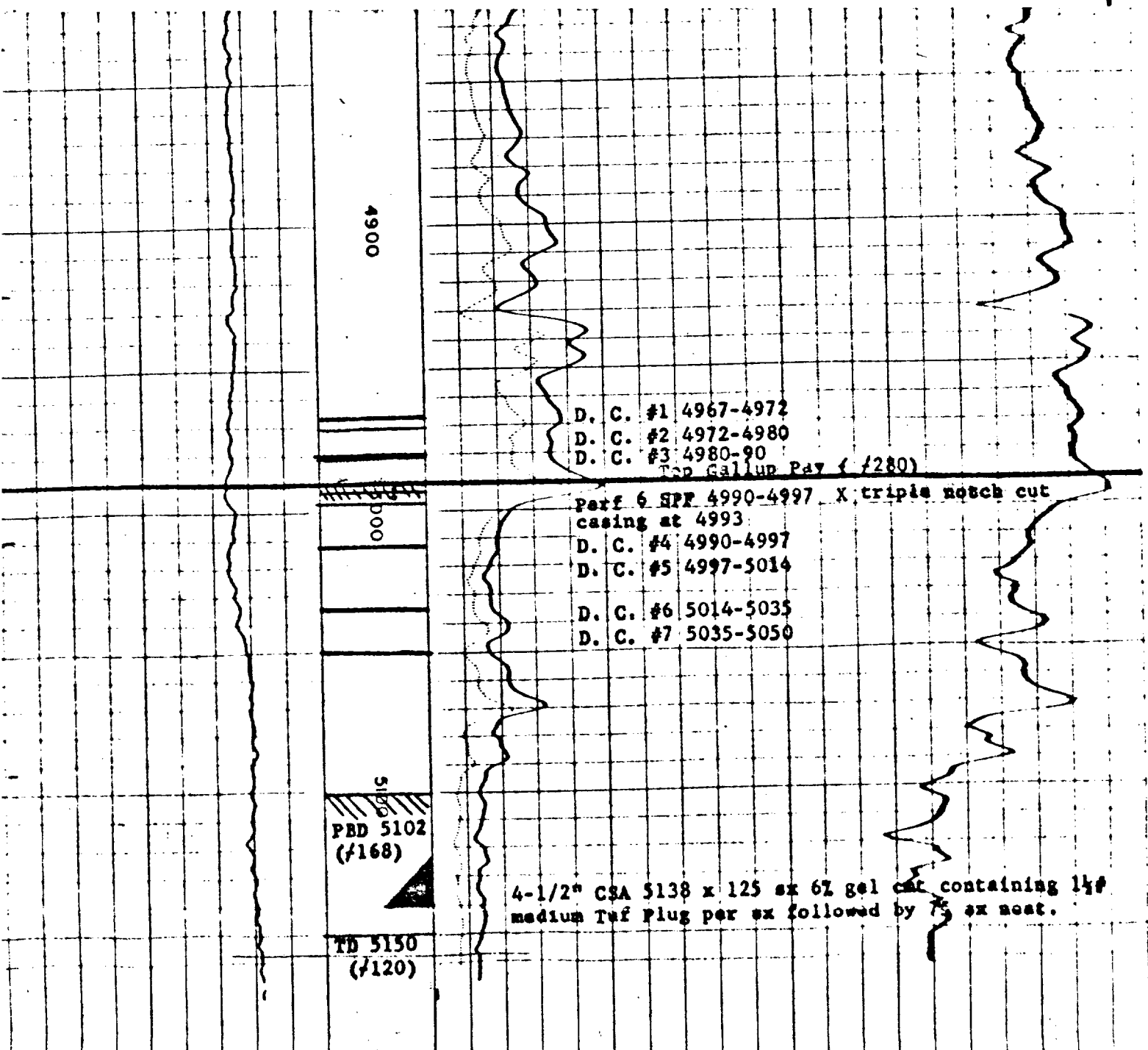
SCALE none
DATE 9-27-78
DRAWN BY SSD
CHECKED

Wellbore Diagram

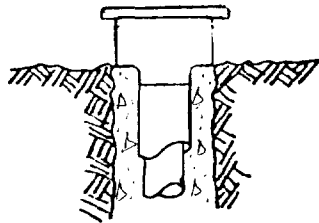
Salt Water Disposal



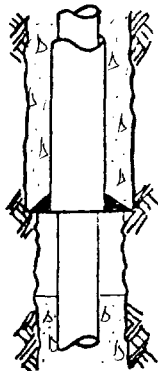
THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-31



NAVAJO H-5
705 FSL & 660 FWL
M-Sec. 13, T29N, R14W
San Juan County

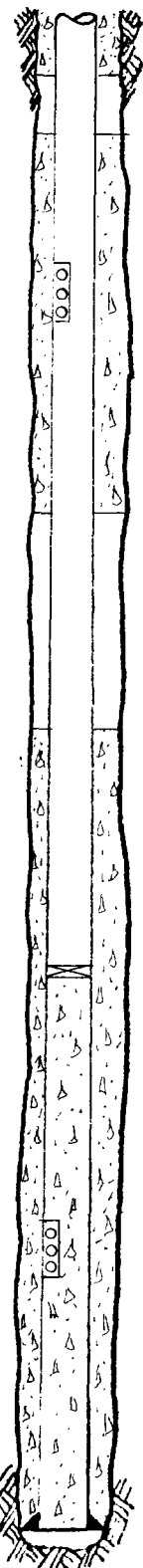


Elevation 5278 G.L.



8-5/8" @ 191 ft w/ 190 sx

Top cement @ 2400



Squeeze corrossion w/ 270 sx @ 2810'

Top cement @ 2872

Mesa Verde perfs 3355-65'

Stage collar @ 3742 Cement w/ 250 sx

Top cement @ 4166

Retainer 4868 on plug back

Old Gallup perfs 4979-86' squeezed w/ 50 sx

4-1/2" @ 5081' w/ 450 sx

MERRION~BAYLESS

APPROVED BY:

SCALE: None

DATE: 9-27-78

DRAWN BY SSD

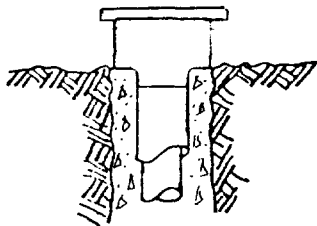
REVISED

Wellbore Schematic

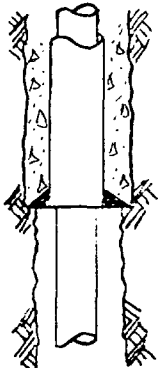
DRAWING NUMBER

Navajo H - 5

NAVAJO H-3
510 FSL & 1980 FEL
O-Sec. 13, T29N, R14W
San Juan Co., New Mexico



Elevation 5327 KB



8-5/8" - 20 lb/ft @ 206 ft. w/ 160 sx



Top of cement 4175 ft. calculated

Perf 5052-5060 ft.

4-1/2" @ 5147' w/ 200 sx
TD @ 5150'

MERRION~BAYLESS

APPROVED BY:

SCALE: NONE

DATE: 9-27-78

DRAWN BY SSD

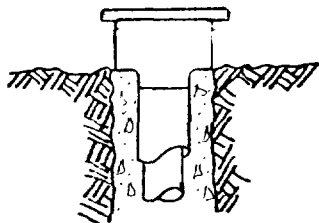
REVISED

Wellbore Schematic

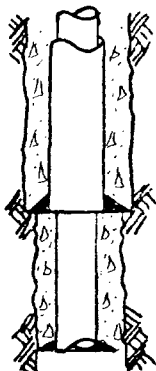
DRAWING NUMBER

Navajo H Lease

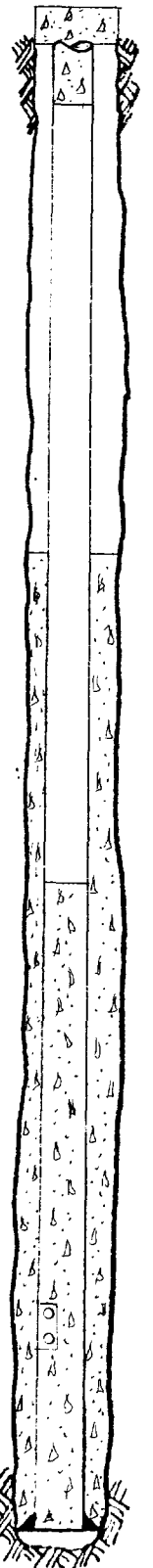
NAVAJO H-4
 510 FNL & 2130 FWL
 Section 24, T29N, R14W
 San Juan County



Elevation 5347' G.R.



8-5/8" @ 209' w/ 175 sx



4-1/2" casing @ 1119' KB w/ 250 sx

Cut 4-1/2" @ 1632 Spotted 30 sx
 plug 1682-1582

Top of Cement 3817' calculated

Top of cement calculated 4810'

Top of Gallup 4681'

Old Perfs squeezed off 5048-5056'

4-1/2" @ 5156 ft.

MERRION~BAYLESS

SCALE: None	APPROVED BY:		DRAWN BY: SSD
	DATE: 9-27-78		REVISED
Wellbore Schematic			
Navajo H Lease			DRAWING NUMBER

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

October 18, 1978

J. Gregory Mesrion
Petroleum Engineer
P. O. Box 507
Farmington, New Mexico 87401

Re: Administrative Order SWD-212

Gentlemen:

Enclosed herewith please find Administrative
Order No. SWD-312 for the following described well:

.. Navajo H Well No 13 located in
Unit K of Section 13, Township
29 North, Range 14 West, NMPM,
San Juan County, New Mexico.

Very truly yours,

JOE D. RAMEY
Division Director

JDR/CU/og

cc: Oil Conservation Division
1000 Rio Brazos Road
Aztec, New Mexico

C
O
P
Y

1. The first part of the

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OIL CONSERVATION COMMISSION
Carter DISTRICT

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE 9/29/78

RE: Proposed MC _____
Proposed DHC _____
Proposed NSL _____
Proposed SWD ✓ _____
Proposed WFX _____
Proposed PMX _____

Carl Zilvay

Gentlemen:

I have examined the application dated 9/28/78
for the Merrion & Payless Navajo H #13 K-13-29N-14
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours very truly,

OR Kendrick

STEP-RATE TEST
SANTA FE BARBS #1
COPY OF FIELD REPORT

3/16/84

