

L30-29N-11

# Memo

From

8-8-73

OIL CONSERVATION COMMISSION  
1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410

To Jim,

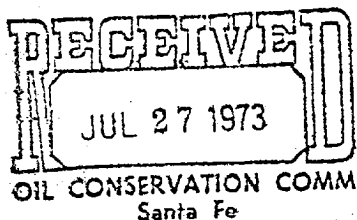
I have studied this  
over & see no reason to  
object to their plan. The  
Hermosa is Pennsylvania in  
age as is the producing zone  
& I would imagine the waters  
are similar & as he says, unf.T.

Ernest

Robert L. Bayless  
PETROLEUM CLUB PLAZA BUILDING  
P. O. BOX 1541  
FARMINGTON, NEW MEXICO 87401

WFX-

July 19, 1973



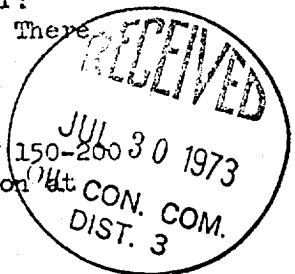
New Mexico Oil & Gas Conservation Commission  
P. O. Box 2088  
Santa Fe, New Mexico 87501

Re: Navajo Tract 20-2

Gentlemen:

Pursuant to Rule 701 enclosed please find three copies each of:

- (1) Plat showing proposed injection well and producing well. There are no other active wells within a two mile radius.
- (2) Electrilog of well 20-2
- (3) Sketch of casing, tubing, and perforations
- (4) Salt water produced from the Navajo 20-1 well at rates of 150-200 barrels per day will be injected into the Hermosa formation at 6295-6390.
- (5) C-108



The only other oil and gas lease holder within a two mile radius of injection well is Raymond T. Duncan of Denver and copy of this application is being sent him. The United States Geological Survey will also receive a copy. Please consider our request for administrative approval of this water disposal program.

Yours truly,  
MERRION & BAYLESS

*Robert L. Bayless*  
Robert L. Bayless

*My I have an opinion  
on this, please  
JLB*

RLB:cbr

Enclosures: Well plat, Electrilog, sketch of casing, tubing, and perforations, C-108.

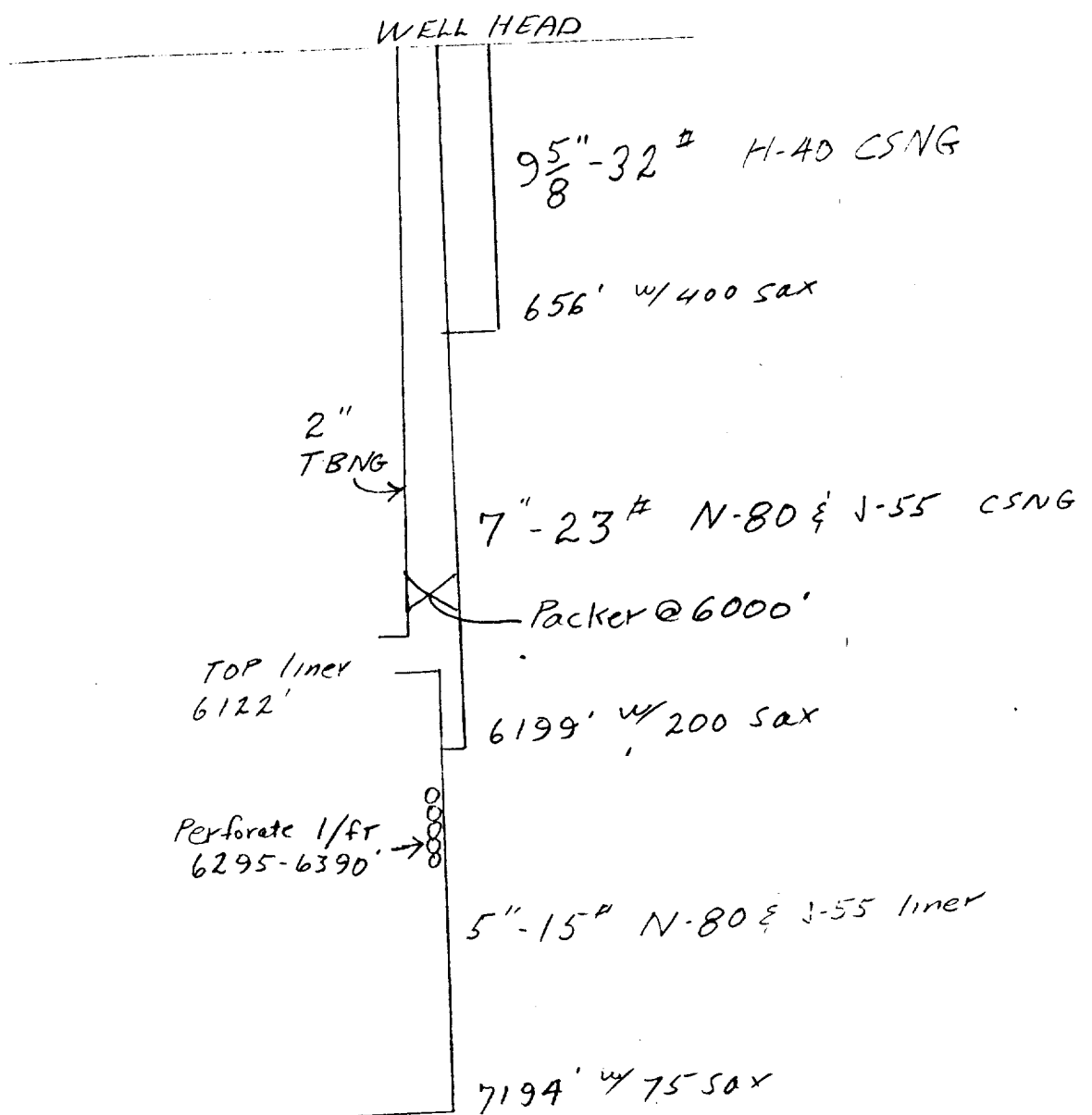
CC: Raymond T. Duncan  
1800 Security Life Building  
Denver, Colorado.

United States Geological Survey  
Petroleum Club Plaza  
Farmington, New Mexico 87401

MERRION & BAYLESS

Navajo #20-2

Injection Well Subsurface Equipment



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 1541 Farmington, New Mexico 87401					
LEASE NAME Navajo Tract 20	WELL NO. 2	FIELD Parajito	COUNTY San Juan				
LOCATION UNIT LETTER <u>L</u> ; WELL IS LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>660</u> FEET FROM THE <u>West</u> LINE, SECTION <u>30</u> TOWNSHIP <u>29N</u> RANGE <u>17W</u> NMPM.							
CASING AND TUBING DATA							
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY		
SURFACE CASING	9 5/8"	656	400	surface	circulated		
INTERMEDIATE	7 "	6199	200	4275	temp survey		
LONG STRING	5 "	6122	75	6122	squeezed		
liner		7194					
TUBING	2	6000	NAME, MODEL AND DEPTH OF TUBING PACKER Halliburton Tension Packer @ 6000'				
NAME OF PROPOSED INJECTION FORMATION Hermosa		TOP OF FORMATION 6295		BOTTOM OF FORMATION 6390			
IS INJECTION THROUGH TUBING, CASING, OR ANNULUS? tubing		PERFORATIONS OR OPEN HOLES 6295-6390		PROPOSED INTERVAL(S) OF INJECTION same			
IS THIS A NEW WELL DRILLED FOR DISPOSAL? No		IF ANSWER IS NO, FOR WHAT PURPOSE WAS WELL ORIGINALLY DRILLED? as oil producer		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 7194-7236 squeezed with 50 sax, 6850-6860 squeezed with 15 sax							
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA 2100		DEPTH OF BOTTOM OF NEXT HIGHER OIL OR GAS ZONE IN THIS AREA NONE		DEPTH OF TOP OF NEXT LOWER OIL OR GAS ZONE IN THIS AREA 7198-7222			
ANTICIPATED DAILY INJECTION VOLUME (BBLs.)	MINIMUM 150	MAXIMUM 200	OPEN OR CLOSED TYPE SYSTEM closed	IS INJECTION TO BE BY GRAVITY OR PRESSURE? pressure	APPROX. PRESSURE (PSI) 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 - Unfit			WATER TO BE DISPOSED OF Unfit	NATURAL WATER IN DISPOSAL ZONE Unfit	ARE WATER ANALYSES ATTACHED? No		
NAME AND ADDRESS OF SURFACE OWNER (OR LESSEE, IF STATE OR FEDERAL LAND) Navajo Tribe c/o United States Geological Survey							
LIST NAMES AND ADDRESSES OF ALL OPERATORS WITHIN ONE-HALF (1/2) MILE OF THIS INJECTION WELL NONE							
<div>RECEIVED</div> <div>JUL 27 1973</div> <div>OIL CONSERVATION COMM</div> <div>Santa Fe</div>							
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?		SURFACE OWNER Yes		EACH OPERATOR WITHIN ONE-HALF MILE OF THIS WELL No Operators		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	

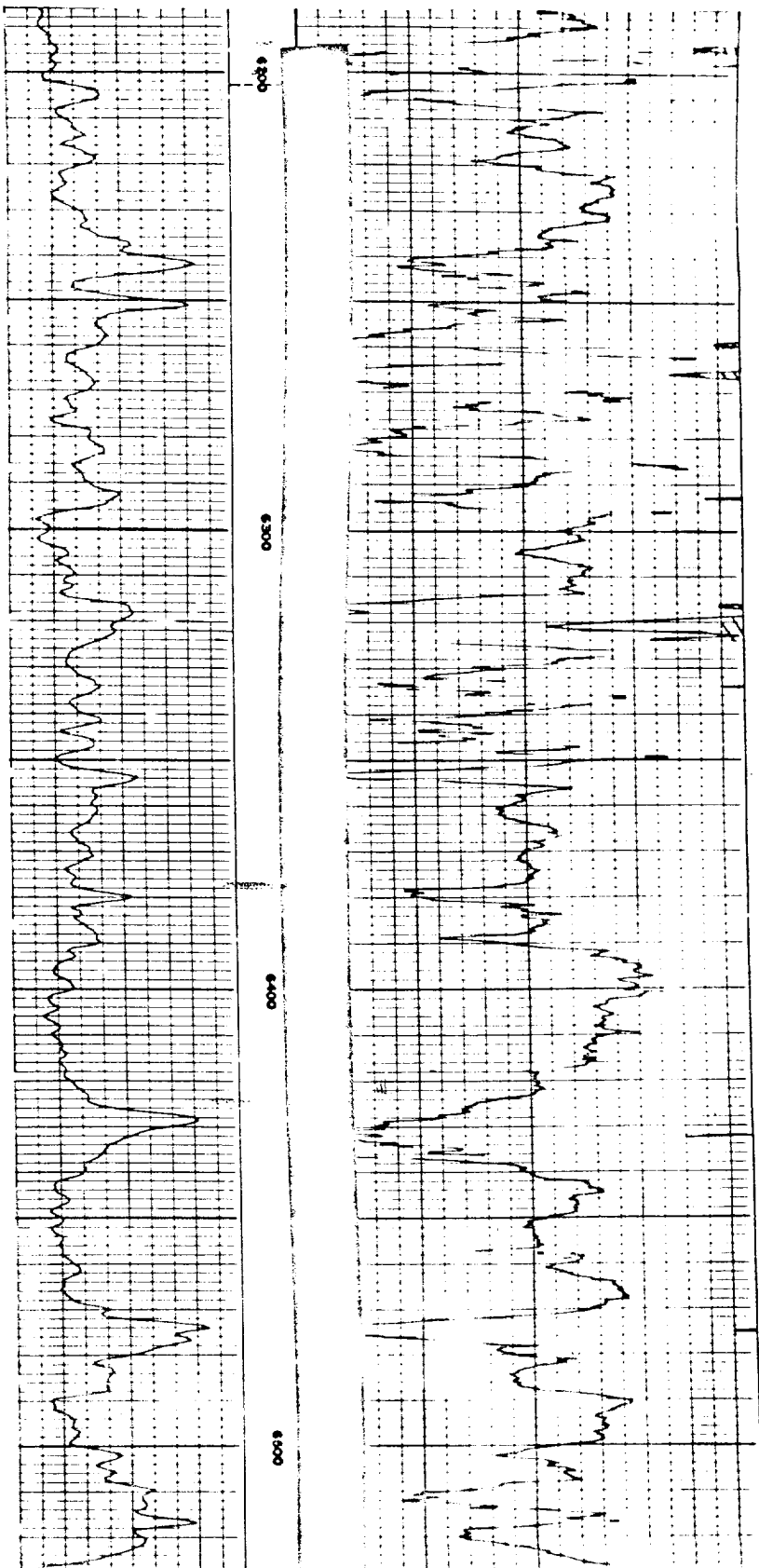
I hereby certify that the information above is true and complete to the best of my knowledge and belief.

J. L. Bayless Co-Operator July 19, 1973  
(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.

# SCHLUMBERGER

COUNTY SAN JUAN NEW MEXICO		COMPANY AMERADA PETROLEUM CORPORATION	
FIELD or LOCATION UNDESIGNATED		WELL NAVAJO TRACT 20 #2	
WELL #2		FIELD UNDESIGNATED	
COUNTY SAN JUAN		STATE NEW MEXICO	
LOCATION 1980' FSL & 660' FWL		Other Services:	
Sec. 30	Twp. 29N	Rge. 17W	Mr SW
Permanent Datum: G. L.		Elev. 5230'	Elev. KB 5241'
Log Measured From K. B.		11 Ft. Above Perm. Datum	DF 5240'
Drilling Measured From K. B.			GL 5230'
Date	9-10-63	9-22-63	
Run No.	ONE	TWO	
Depth—Driller	6200	7188	
Depth—Logger	6199	7190	
Rim Log Interval	6193	7187	
Top Log Interval	30	6000	
Casing—Driller	9 5/8" 656	7" 6199	
Casing—Logger	657	6203	
Bit Size	8 3/4"	6 1/8"	
Type Fluid in Hole	CHEM-GEL	CHEM-GEL	
Dens. Visc.	10.2 50	8.5 42	
pH Fluid Loss	12.5 8.8ml	12.5 122.4ml	
Source of Sample	FLDW LINE	FLDW LINE	
R <sub>h</sub> @ Meas. Temp.	1.00 86 °F	1.5 86 °F	
R <sub>nl</sub> @ Meas. Temp.	0.89 86 °F	1.0 98 °F	
R <sub>nl</sub> @ Meas. Temp.	- 86 °F	0.86 98 °F	
Source R <sub>nl</sub> R <sub>nl</sub>	H H	H H	
R <sub>h</sub> @ BHT	0.67 @ 128 °F	0.85 @ 150 °F	
Time Since Circ.	2 HOURS		
Max. Rec. Temp.	128 °F	150 °F	
Equip. Location	3520 FARM	3520 FARM	
Recorded By	FEATHER	SOERENSEN	
Witnessed By	MR. KERSHNER	MR. SWENHAM & MR. POWELL	





NO. OF COPIES RECEIVED		5
DISTRIBUTION		
SANTA FE		1
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		3
PRODUCTION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-105  
Effective 1-1-65

Operator		Vista Resources, Inc.	
Address			
237 Eubank Blvd. N.E. Suite B - Albuquerque, New Mexico 87123			
Reason(s) for filing (Check proper box)			
New Well	<input type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input checked="" type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>
Other (Please explain)		Name change from Americh Navajo Street 20 #2 to Navajo Street 20 #2	

If change of ownership give name and address of previous owner J. Gregory Merrion & Robert L. Bayless, Bx. 1541, Farmington, N.M. 87

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Navajo Tract 20	2	Salt Water Disposal Well	State, Federal or Fee Tribal	5024
Location				
Unit Letter	L	1980'	Feet From The	South
Line and	660'	Feet From The	West Line	NW/SW
Line of Section	30	Township	29N	Range
			17W	, NMPM,
			San Juan	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	<input type="checkbox"/>	or Condensate	<input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
Name of Authorized Transporter of Casinghead Gas	<input type="checkbox"/>	or Dry Gas	<input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)	
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Pge.	Is gas actually connected?
					When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth		P.B.T.D.			
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation		Top Oil/Gas Pay		Tubing Depth			
Perforations					Depth Casing Shoe			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Richard H. Hornung  
(Signature)  
Production Co-Ordinator  
(Title)  
3/21/79  
(Date)

OIL CONSERVATION COMMISSION

MAR 26 1979

APPROVED \_\_\_\_\_, 19\_\_\_\_

BY Original Signed by FRANK T. HAYEZ

TITLE DEPUTY OIL & GAS INSPECTOR

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply