

RELEASE 5.11.75
OIL CONSERVATION DIVISION
RECEIVED
JUN 9 1975

EDDIE W. SEAY, CEI
601 W. ILLINOIS
HOBBS, NM 88240
505-392-2236

February 24, 1993

Mr. David Catanach
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

Dear Sir:

Please find enclosed Dwight A. Tipton Application to convert producing well Graham B State J-A, Sect. 30, T 11, R 35 E, Lea Co., NM, to a SWD.

The notice and publication requirement has been completed. The application meets the requirements to be approved administratively. Your attention in this matter is greatly appreciated. If you have any questions or need further information, please call.

Sincerely,

Eddie W. Seay

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Dwight A. Tipton
Address: P.O. Box 1597 Lovington, NM 88260
Contact party: Dwight A. Tipton Phone: (505)396-2114
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Eddie W. Seay Title Agent
- Signature: _____ Date: February 24, 1993
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

Handwritten notes:
C.P. 4A
L.D.R. = POTAC

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

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

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

CORRECTION

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

Operator Dwight A. Tipton		Well API No. 30-025-22406
Address P. O. Box 755, Hobbs, NM 88241		
Reason(s) for Filing (Check proper box) ☒ Other (Please explain)		
New Well ☐	Change in Transporter of:	
Recompletion ☐	Oil ☐ Dry Gas ☐	To correct name & address of oil purchaser.
Change in Operator ☐	Casinghead Gas ☐ Condensate ☐	
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name Graham State "B"	Well No. 1	Pool Name, Including Formation North Bagley Permo Penn	Kind of Lease State, Lease XXXXXXX	Lease No. K-3837
Location Unit Letter <u>A</u> : <u>660</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u> Line Section <u>30</u> Township <u>11S</u> Range <u>33E</u> , NMPM, Lea County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Amoco Pipeline Co.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 702068, Tulsa, OK 74170-2068					
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ Warren Petroleum Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1589, Tulsa, OK 74102					
If well produces oil or liquids, give location of tanks.	Unit A	Sec. 30	Twp. 11S	Rge. 33E	Is gas actually connected? Yes	When? N/A

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, GR, 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 Tank	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
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FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT
Dwight A. Tipton

- I. Disposal. yes application qualifies for administrative approval.
- II. OPERATOR: Dwight A. Tipton
ADDRESS: P.O. Box 1597
Lovington, NM 88260
CONTACT PERSON: Dwight A. Tipton
PHONE: (505)396-2114
- III. WELL DATA
 - A.
 1. Dwight A. Tipton
Graham B State #1-A Sect. 30 T. 11 R. 33 E.
660/FNL 660/FEL Lea Co., NM
 2. 11 3/4" csg set at 418' with 375 sx. case to surface.
8 5/8" csg set at 3971' with 450 sx. case to surface.
4 1/2" csg set at 10348' with 450 sx. case top 7575'.
 3. Plan to run 2 1/2" plastic lined tubing. set at approximately 8600'.
 4. Plan to run a Baker Tension Packer and set approximately 8600'.
 - B.
 1. Wolfcamp formation.
 2. The injection interval will be through perforations from 8600' to 8705'.
 3. Well was originally drilled as an oil well in the Bagley Penn formation.
 4. Existing perforations are from 9453' to 10160'. Plan to plug back from 9453' to 8600' by setting CIBP at 9400' and capping with 35' cement. test casing to 500# then perforate from 8600' to 8705' in the Wolfcamp formation.
 5. The upper formation is the Abo at 7350'. The lower next formation is the Penn at 9175' and Bough C at 9260'.

IV. No

V. Attached

VI. Dwight A. Tipton
Mathers "B" 1-F
Sect. 30, T 11, R 33 E

Dwight A. Tipton
Graham "B" State # 3-1
Sect. 30, T 11, R 33 E

Wagner & Brown
Brenda # 1-I
Sect. 19, T 11, R 33 E

Tipperary Oil & Gas Corp.
Peggy Com # 1-E
Sect. 29, T 11, R 33 E

Tipperary Oil & Gas Corp.
Frances # 1-C
Sect. 29, T 11, R 33 E

Dwight A. Tipton
Mathers "A" 1-C
Sect. 30, T 11, R 33 E

Dwight A. Tipton
Graham "B" State 1-B
Sect. 30, T 11, R 33 E

Wagner & Brown
Zelda # 1-P
Sect. 19, T 11, R 33 E

VII. PROPOSED OPERATION DATA

1. The average rate of injection will be approximately 500 bls. per day, with a maximum of 750 bls. per day.
2. The System will be closed.
3. The average pressure should be 0 or vacuum with a maximum of 800# or not to exceed OCD limit.
4. The source of water to be injected will be from production from Dwight A. Tipton offset leases which are Bagley Penn wells.
5. Waters from the Wolfcamp formation range in chloride content from 62,000 to 75,000 ppm and the proposed injected water from the Penn formation averages 54,000 ppm Cl as per OCD records, Hobbs office.

VIII. Attached

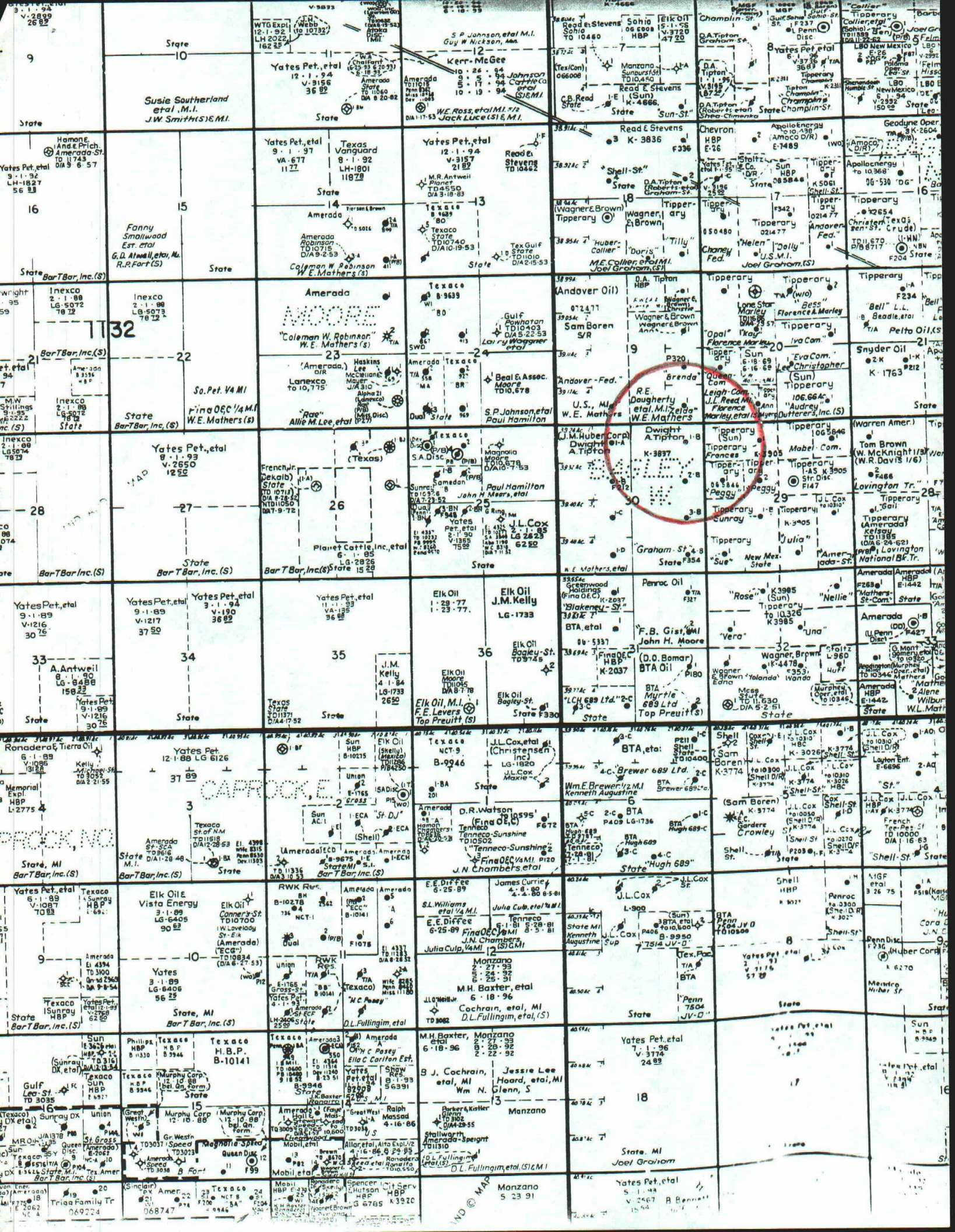
IX. No major stimulation is proposed, only acid as needed.

X. Previously submitted.

XI. Attached

XII. All available geologic and engineering data has been examined and no evidence of open faults or any other hydrologic connection between the injection zone and underground source of drinking water was found.

XIII. Attached



Insert
Color Page/Photo
Here

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

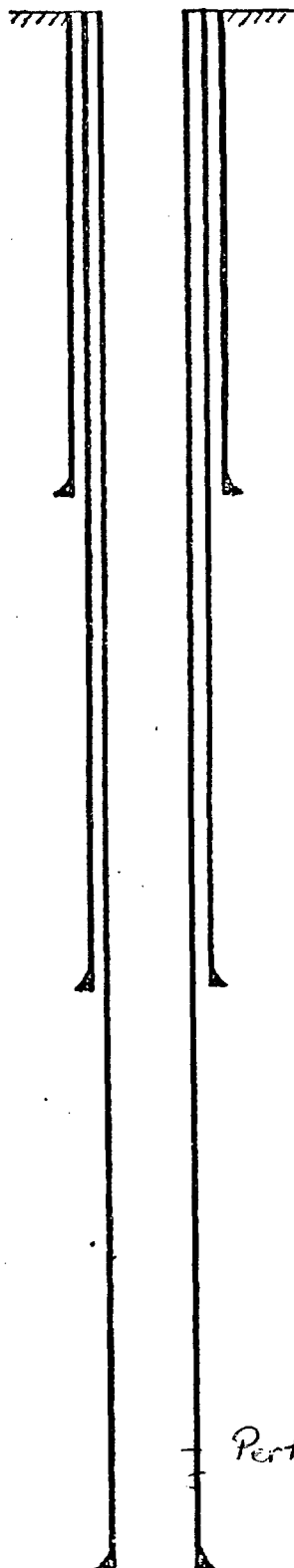
Northwestern New Mexico

T. Anhy	1629	T. Canyon	9,680	T. Ojo Alamo	240	T. Penn. "B"
T. Salt		T. Strawn	10,005	T. Kirtland-Fruitland		T. Penn. "C"
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"
T. Yates	2430	T. Miss		T. Cliff House		T. Leadville
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison
T. Queen		T. Silurian		T. Point Lookout		T. Elbert
T. Grayburg		T. Montoya		T. Mancos		T. McCracken
T. San Andres	3885	T. Simpson		T. Gallup		T. Ignacio Qtzite
T. Glorieta	5470	T. McKee		Base Greenhorn		T. Granite
T. Paddock		T. Ellenburger		T. Dakota		T.
T. Blinebry		T. Gr. Wash		T. Morrison		T.
T. Tubb	6513	T. Granite		T. Todilto		T.
T. Drinkard		T. Delaware Sand		T. Entrada		T.
T. Abo	7354	T. Bone Springs		T. Wingate		T.
T. Wolfcamp	8470	T.		T. Chinle		T.
T. Penn.		T.		T. Permian		T.
T. Cisco (Bough C)	9260	T.		T. Penn. "A"		T.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	421	421	Surface Rock & Red Bed				
421	3410	2989	Anhydrite & Salt				
3410	3780	370	Anhydrite & Lime				
3780	7075	3295	Lime & Shale				
7075	10,400	3325	Lime				

OPERATOR <u>Dwight Tipton</u>	DATE <u>Drilled 1968</u>	
LEASE <u>Graham B state</u>	WELL No. <u>1-A</u>	LOCATION <u>660/N 660/E S130T11-R33E</u>



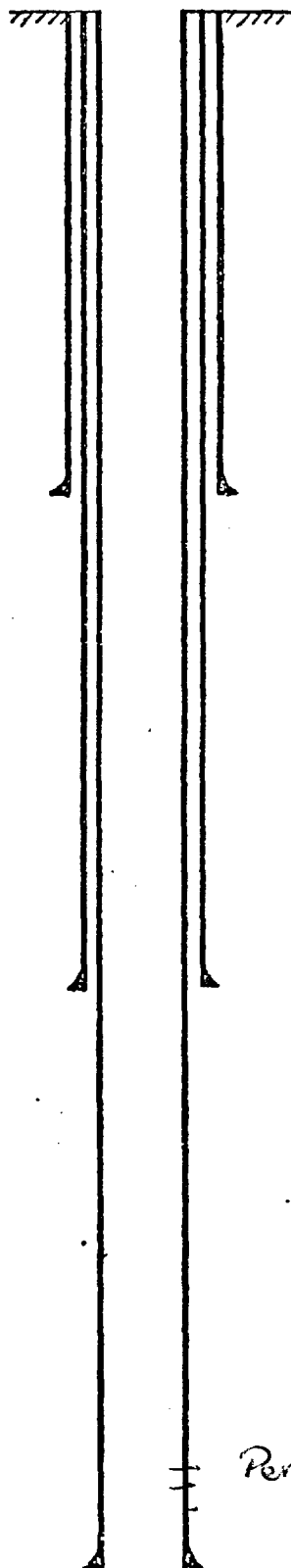
11 3/4 " casing set at 418 ' with 325 sx of C/C cement
Hole size 17 1/2 " Cement circ.

8 5/8 " casing set at 3971 ' with 450 sx of C/C cement
Hole size 9 7/8 " Calc to surface

Perfs 9453-10160

4 1/2 " casing set at 10348 ' with 450 sx of C cement
Total depth 10348 ' Hole size 7 3/8 " Calc top 7575

OPERATOR Dwight A. Tipton		DATE Drilled 1969	
LEASE Mathers "B"	WELL No. 1-F	LOCATION 1980/N 1980/W S30-T11-R33E	



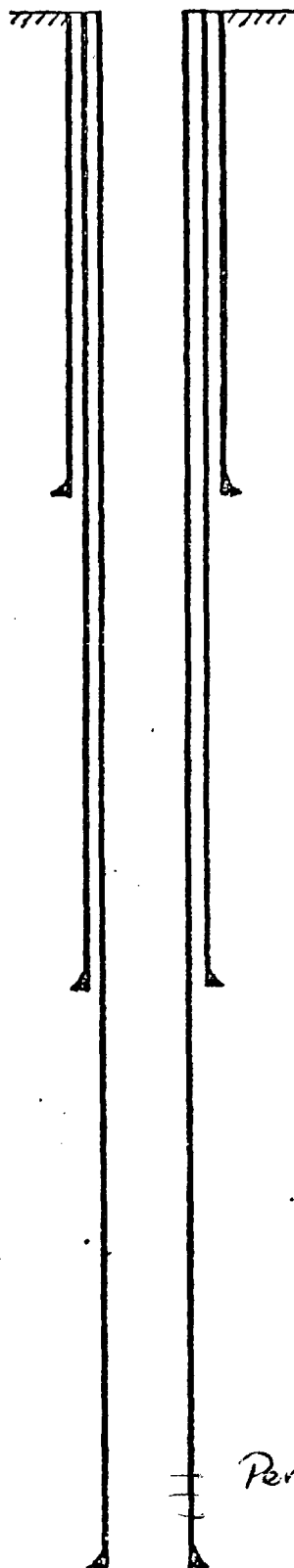
11 3/4 " casing set at 375 ' with 375 sx of C/C cement
Hole size 17 1/2 " Circ.

8 5/8 " casing set at 3949 ' with 450 sx of C/C cement
Hole size 9 3/8 " Calc. to Surface

Perts 9405 - 9650

4 1/2 " casing set at 10400 ' with 600 sx of C/C cement
Total depth 10400 ' Hole size 7 3/8 " Calc top 6700'

OPERATOR <u>Dwight A. Tipton</u>		DATE <u>Drilled 1968</u>	
LEASE <u>Graham "B" State</u>	WELL No. <u>3-I</u>	LOCATION <u>160/E 1900/S 5-30 T-11 R33 E</u>	



11 $\frac{3}{4}$ " casing set at 407 ' with 325 sx of C/C cement
Hole size 17 $\frac{1}{2}$ " circ.

8 $\frac{5}{8}$ " casing set at 3905 ' with 450 sx of C/C cement
Hole size 9 $\frac{7}{8}$ " Calc to surface

Perfs 9974 - 10317

4 $\frac{1}{2}$ " casing set at 10370 ' with 400 sx of C/C cement
Total depth 10370 ' Hole size 7 $\frac{7}{8}$ " Calc Top 7900 '

OPERATOR <u>Dwight A. Tipton</u>		DATE <u>Drilled 1968</u>	
LEASE <u>Mathers A</u>	WELL No. <u>1-C</u>	LOCATION <u>1660/N 1980/W S-30 T-11 R-33 E</u>	

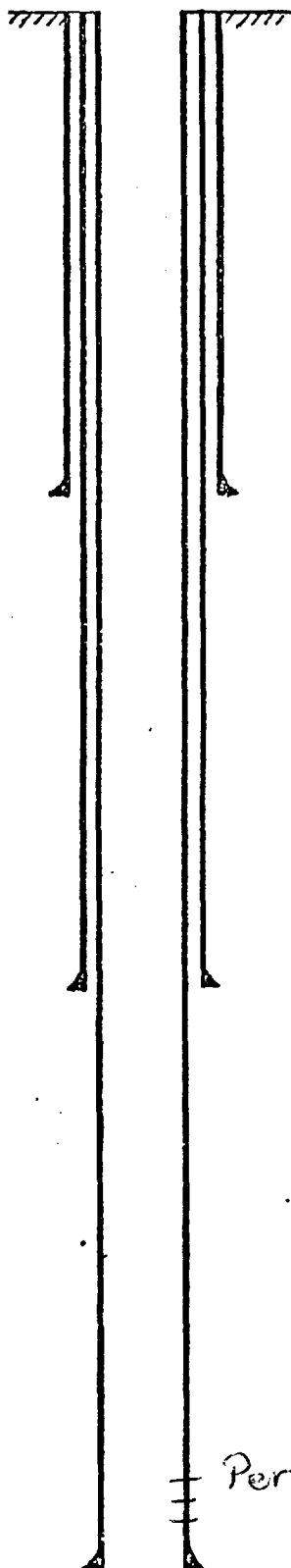
11 $\frac{3}{4}$ " casing set at 426 ' with 350 sx of C/C cement
Hole size 17 $\frac{1}{2}$ " circ.

8 $\frac{5}{8}$ " casing set at 3909 ' with 450 sx of C/C cement
Hole size 9 $\frac{7}{8}$ " Calc. to surface

Perts 9983-10326

4 $\frac{1}{2}$ " casing set at 10386 ' with 450 sx of C/C cement
Total depth 10386 ' Hole size 7 $\frac{7}{8}$ " Calc top 7600

OPERATOR Dwight A. Tipton		DATE Drilled 1968	
LEASE Graham "B" State	WELL No. 2-H	LOCATION 660/E 1920/N S 30 T11 R 33 E	



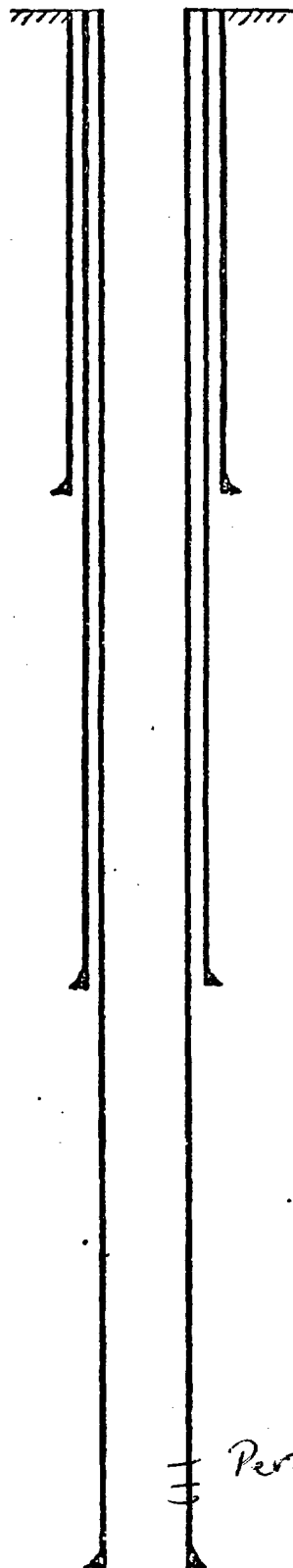
11 $\frac{3}{4}$ " casing set at 400 ' with 325 sx of C/C cement
Hole size 17 $\frac{1}{2}$ " C/c.

8 $\frac{5}{8}$ " casing set at 3923 ' with 450 sx of C/C cement
Hole size 9 $\frac{7}{8}$ " Calc. to surface

Perfs 9963-10306

4 $\frac{1}{2}$ " casing set at 10353 ' with 450 sx of C/C cement
Total depth 10353 ' Hole size 7 $\frac{7}{8}$ " Calc top 7580'

OPERATOR Wagner & Brown		DATE Drilled 1969	
LEASE Brenda	WELL No. 1-I	LOCATION 1980/S 660/E S 19 T 11 R 33 E	



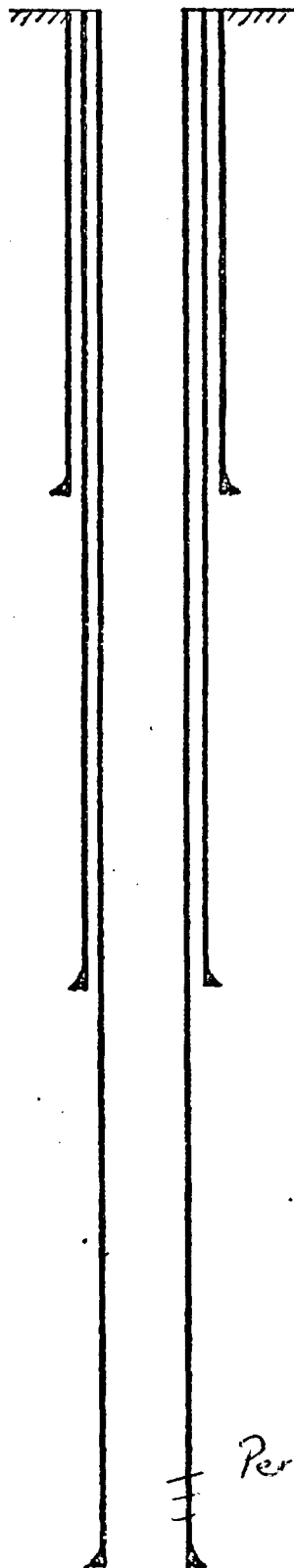
13 $\frac{3}{8}$ " casing set at 356 ' with 400 sx of C/C cement
Hole size 17 $\frac{1}{2}$ " Circ.

8 $\frac{5}{8}$ " casing set at 3728 ' with 200 sx of C/C cement
Hole size 7 $\frac{7}{8}$ " Calc Top 1500'

Perfs 9392-9496

4 $\frac{1}{2}$ " casing set at 10420 ' with 550 sx of C cement
Total depth 10420 ' Hole size 7 $\frac{7}{8}$ " Calc Top 7100'

OPERATOR Wagner & Brown		DATE Drilled 1968	
LEASE Zelda	WELL No. 1-P	LOCATION 660/S 660/E S19 T11 R33 E	



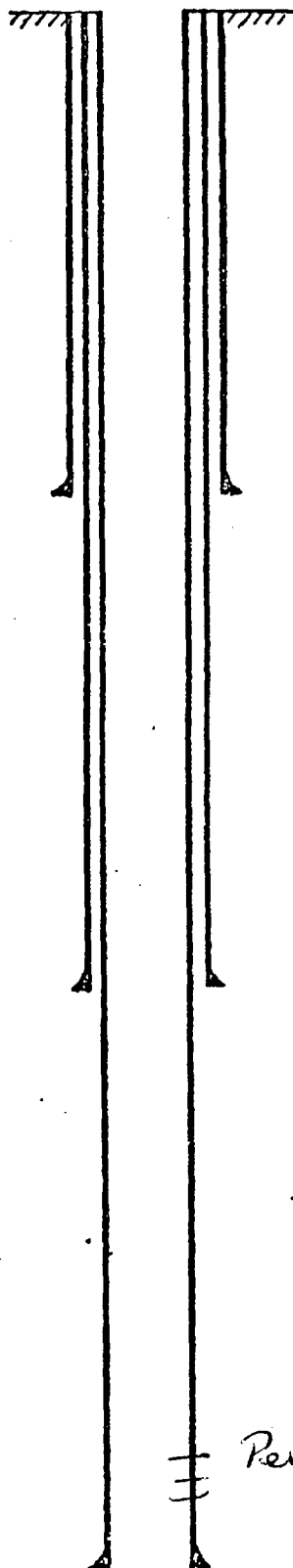
13 $\frac{3}{8}$ " casing set at 362 ' with 400 sx of C/C cement
Hole size 17 $\frac{1}{2}$ " Circ.

8 $\frac{5}{8}$ " casing set at 3718 ' with 200 sx of C/C cement
Hole size 11 " Calc top 2600

Perfs 10110 - 10341

4 $\frac{1}{2}$ " casing set at 10412 ' with 500 sx of C/C cement
Total depth 10412 ' Hole size 7 $\frac{7}{8}$ " Calc top 7000 '

OPERATOR Tipperary Oil & Gas Corp		DATE Drilled 1968	
LEASE Peggy Corn	WELL No. 1-E	LOCATION 1950/N 660/W 529T11 R33E	



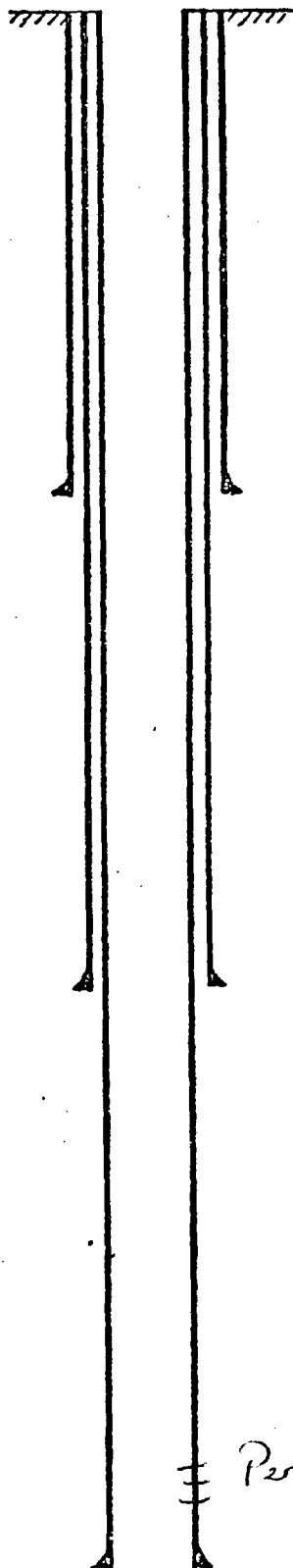
13 $\frac{3}{8}$ " casing set at 370 ' with 400 sx of C/C cement
Hole size 17 $\frac{1}{2}$ " Cased

8 $\frac{5}{8}$ " casing set at 3730 ' with 200 sx of C/C cement
Hole size 10 $\frac{3}{4}$ " Calc top 1500'

Perts 9908 - 10244

4 $\frac{1}{2}$ " casing set at 10350 ' with 500 sx of C/C cement
Total depth 10350 ' Hole size 7 $\frac{7}{8}$ " Calc top 7300'

OPERATOR <u>Tipperary Oil & Gas Corp</u>		DATE <u>Drilled 1968</u>	
LEASE <u>Frances</u>	WELL No. <u>1-C</u>	LOCATION <u>660/N 1980/W 529 TU R33E</u>	



13 3/8 " casing set at 375 ' with 400 sx of C/C cement

Hole size 17 1/2 "

are

8 5/8 " casing set at 3727 ' with 200 sx of C/C cement

Hole size 10 3/4 "

Calc top 1500'

Perfs 9390-9494

4 1/2 " casing set at 10300 ' with 450 sx of C/C cement

Total depth 10300 ' Hole size 7 7/8 " *Calc top 7500'*

WATER ANALYSIS REPORT

Company : EDDIE SEAY	Date : 2-23-93
Address : HOBBS, NEW MEXICO	Date Sampled : 2-20-93
Lease : UNIT G	Analysis No. : 311
Well : SECT 29 - T11 - R23E	
Sample Pt. : WINDMILL	

ANALYSIS	mg/L	* meq/L
-----	----	-----
1. pH	6.9	
2. H2S	NR	
3. Specific Gravity	1.000	
4. Total Dissolved Solids	622.1	
5. Suspended Solids	NR	
6. Dissolved Oxygen	NR	
7. Dissolved CO2	NR	
8. Oil In Water	NR	
9. Phenolphthalein Alkalinity (CaCO3)		
10. Methyl Orange Alkalinity (CaCO3)	174.0	
11. Bicarbonate	HCO3 212.3	HCO3 3.5
12. Chloride	Cl 107.9	Cl 3.0
13. Sulfate	SO4 160.0	SO4 3.3
14. Calcium	Ca 98.6	Ca 4.9
15. Magnesium	Mg 78.8	Mg 6.5
16. Sodium (calculated)	Na -35.5	Na -1.5
17. Iron	Fe 0.1	
18. Barium	Ba NR	
19. Strontium	Sr NR	
20. Total Hardness (CaCO3)	570.5	

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter	Compound	Equiv wt	X meq/L	= mg/L
+-----+	+-----+	+-----+	+-----+	+-----+
5 *Ca <-----	3	Ca (HCO3) 2	81.0	282
/----->	3	CaSO4	68.1	98
6 *Mg ----->	3	CaCl2	55.5	
<-----/	3	Mg (HCO3) 2	73.2	
-2 *Na ----->	3	MgSO4	60.2	114
+-----+	+-----+	MgCl2	47.6	145
Saturation Values Dist. Water 20 C		NaHCO3	84.0	
CaCO3	13 mg/L	Na2SO4	71.0	
CaSO4 * 2H2O	2090 mg/L	NaCl	58.4	
BaSO4	2.4 mg/L			

REMARKS: LEA COUNTY
 ----- EDDIE SEAY / FILE

Respectfully submitted,
 ROZANNE JOHNSON

WATER ANALYSIS REPORT

Company : EDDIE SEAY
 Address : HOBBS, NEW MEXICO
 Lease : UNIT H
 Well : SECT 30 - T11 - R33E
 Sample Pt. : WINDMILL

Date : 2-23-93
 Date Sampled : 2-20-93
 Analysis No. : 310

ANALYSIS		mg/L	* meq/L	
-----		----	-----	
1.	pH	6.5		
2.	H2S	NR		
3.	Specific Gravity	1.000		
4.	Total Dissolved Solids	862.4		
5.	Suspended Solids	NR		
6.	Dissolved Oxygen	NR		
7.	Dissolved CO2	NR		
8.	Oil In Water	NR		
9.	Phenolphthalein Alkalinity (CaCO3)			
10.	Methyl Orange Alkalinity (CaCO3)	163.0		
11.	Bicarbonate	HCO3 198.9	HCO3	3.3
12.	Chloride	Cl 185.9	Cl	5.2
13.	Sulfate	SO4 235.0	SO4	4.9
14.	Calcium	Ca 119.4	Ca	6.0
15.	Magnesium	Mg 54.0	Mg	4.4
16.	Sodium (calculated)	Na 68.9	Na	3.0
17.	Iron	Fe 0.2		
18.	Barium	Ba NR		
19.	Strontium	Sr NR		
20.	Total Hardness (CaCO3)	520.5		

PROBABLE MINERAL COMPOSITION

*milli equivalents per Liter				Compound	Equiv wt X meq/L = mg/L		
+-----+				-----+	-----		
6	*Ca <-----	*HCO3	3	Ca (HCO3) 2	81.0	3.3	264
	/----->			CaSO4	68.1	2.7	184
4	*Mg ----->	*SO4	5	CaCl2	55.5		
	<-----/			Mg (HCO3) 2	73.2		
3	*Na ----->	*Cl	5	MgSO4	60.2	2.2	132
				MgCl2	47.6	2.2	107
Saturation Values Dist. Water 20 C				NaHCO3	84.0		
	CaCO3	13 mg/L		Na2SO4	71.0		
	CaSO4 * 2H2O	2090 mg/L		NaCl	58.4	3.0	175
	BaSO4	2.4 mg/L					

REMARKS: LEA COUNTY
 ----- EDDIE SEAY / FILE

Respectfully submitted,
 ROZANNE JOHNSON

**STATE ENGINEER CHEMICAL QUALITY OF WATER
LISTING BY LOCATION**

LOCATION	DATE COLLECTED	CHLORIDE mg/L	CONDUCT M-MHDS	TEMP DEG	WBF	BASIN FILE	REFERENCE FILE	USE	PT CLTN	CL
11S 33E 29 234444	10/20/76	53	812		TOG	L		DDM	YT	
11S 33E 29 234444	6/13/83	64	818		TOG	L		DDM	YT	
11S 33E 29 234444	5/21/84	65	807		TOG	L		DDM	YT	
11S 33E 30 11111	10/06/77	120	1272	64F	TOG	L	00659 S L 00659	IRR	DP	
11S 33E 30 122143	5/08/84	45	814	64F	TOG	L	09079	STK	DP	
11S 33E 30 122144	10/06/77	62	914	63F	TOG	L		STK	DP	
11S 33E 30 122144	12/01/78	84	1013		TOG	L		STK	TANK	
11S 33E 32 233342	08/21/67	71			TOG	L		STK	DP	
11S 33E 32 233342	11/06/79	62	848	62F	TOG	L		STK	DP	
11S 33E 32 233342	7/13/84	65	870		TOG	L	05110	STK	DP	
11S 33E 33 111334	01/19/61	530	3110		TOG			DDM	YT	
11S 33E 33 111334	08/14/67	234			TOG	L		DDM	YT	
11S 33E 33 111334	10/20/76	69	1151		TOG	L		DDM	YT	
11S 33E 33 11311	00/00/61	60			TOG	L		IRR		
11S 33E 33 433442	5/09/84	12	526		TOG	L		NOT	TS70	
11S 34E 02 31121	05/28/68	127	960		TOG	SR		STK	SUS	
11S 34E 02 31121	11/02/76	524	2623		TOG	SR		NOT	SUS	
11S 34E 02 331233	02/04/65	130	1280	60F	TOG	13		STK	DP	
11S 34E 02 331233	05/28/68	153	1250		TOG	13		STK	DP	
11S 34E 02 331233	09/26/68	121	1273		TOG	13		STK	DP	
11S 34E 02 331233	11/03/76	128	1323	65F	TOG	13		STK	DP	
11S 34E 02 331233	11/28/79	120	1280	62F	TOG	13		STK	DP	
11S 34E 02 331233	11/08/84	134	1360	64F	TOG	13		STK	DP	
11S 34E 05 21114	10/09/68	85	1080		TOG	L		STK	DP	
11S 34E 05 21114	11/07/79	62	972	62F	TOG	L		STK	DP	
11S 34E 05 21114	7/05/84	85	1290	64F	TOG	L		STK	DP	
11S 34E 10 41233	09/26/68	207700	490500		PSL			MOD	DISPIT	
11S 34E 10 41233	09/26/68	204800	181407		PSL			MOD	DISPIT	
11S 34E 10 41322	09/26/68	74	866		TOG	13		NOT	SBBLR	
11S 34E 11 231	09/26/68	12230	32600					NOT	SBBLR	

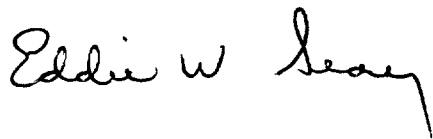
February 24, 1993

Dear Sir:

Pursuant to the rules and regulations of the State of New Mexico, Oil Conservation Division, Santa Fe, NM, notice is hereby given that Dwight A. Tipton has filed an application to convert Graham B State #1 Unit A, 660/FNL 660/FEL Sect. 30, T. 11, R 33 E., Lea Co., NM, from a producer to a salt water disposal well. The source of injection will be produced water. Injecting approximately 500 bls. per day at 600# pressure into the Wolfcamp formation through perforations at a depth of 8600' to 8705'.

Any questions or objections must be filed with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 87501, within 15 days.

Sincerely,

A handwritten signature in cursive script that reads "Eddie W Seay".

Eddie W. Seay, Agent
601 W. Illinois
Hobbs, NM 88240
(505)392-2236

P 369 428 826



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to State of New Mexico	
Street and No. State Land Office	
P.O. Box 1148	
P.O., State and ZIP Code Santa Fe, NM 87504	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, June 1991

P 369 428 827



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to Dwight A. Tipton	
Street and No. Box 1597	
P.O., State and ZIP Code Lovington, NM 88260	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, June 1991

P 369 428 828)



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to Tipperary Oil & Gas Corp	
Street and No. 800 N. Marienfield St.	
P.O., State and ZIP Code Midland, TX 79701⁰⁰	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, June 1991

P 369 428 829



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to Wagner & Brown	
Street and No. P.O. Box 1714	
P.O., State and ZIP Code Midland, TX 21714	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	

PS Form 3800, June 1991

LEGAL NOTICE

Pursuant to the rules and regulations of the State of New Mexico, Oil Conservation Division, Santa Fe, NM, notice is hereby given that Dwight A. Tipton has filed an application to convert Graham B State #1 Unit A, 660/FNL 660/FEL Sect. 30, T. 11, R 35 E., Lea Co., NM, from a producer to a salt water disposal well. Disposing of approximately 500 bls. per day at 600# pressure into the Wolfcamp formation through perforations at a depth of 8600' to 8705'. For further information, please contact Eddie W. Seay, Agent, (505)392-2236, 601 W. Illinois, Hobbs, NM 88240.

Any questions or objections must be filed with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 89501, within 15 days.

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

General Manager

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of _____

one weeks.
Beginning with the issue dated

Feb. 26, 19 93
and ending with the issue dated

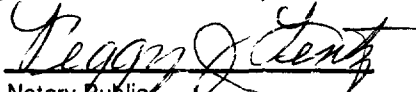
Feb. 26, 19 93


General Manager

Sworn and subscribed to before

me this 15th day of

March, 19 93


Notary Public

My Commission expires
July 6, 1994
(Seal)

LEGAL NOTICE
February 26, 1993

Pursuant to the rules and regulations of the State of New Mexico, Oil Conservation Division, Santa Fe, NM, notice is hereby given that Dwight A. Tipton has filed an application to convert Graham B State #1 Unit A. 660/FNL 660/FEL Sect. 30, T. 11, R. 33 E., Lea Co., NM, from a producer to a salt water disposal well. Disposing of approximately 500 bls. per day at 600# pressure into the Wolfcamp formation through perforations at a depth of 8600' to 8705'. For further information, please contact Eddie W. Seay, Agent, (505)392-2236, 601 W. Illinois, Hobbs, NM 88240.

Any questions or objections must be filed with the Oil Conservation Division, P.O. Box 2088, Santa Fe, NM 89501, within 15 days.

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

RECEIVED

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

'93 MAY 5 AM 9 25

3-1-93

BRUCE KING
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC	_____
DHC	_____
NSL	_____
NSP	_____
SWD	<u>X</u> _____
WFX	_____
PMX	_____

Gentlemen:

I have examined the application for the:

<u>Dwight A. Tipton</u>	<u>Graham B State #1-A</u>	<u>30-11-33</u>
Operator	Lease & Well No.	Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed