

4.10.95

APPLICATION FOR AUTHORIZATION TO INJECT

Case 11289

RECEIVED IN DIVISION
JAN 11 1995

- I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no

II. Operator: Burro Pipeline Corporation

Address: 800 N. Marienfeld, Suite 100, Midland, Texas 79701

Contact party: Jeff Sparks Phone: (915)683-5203

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: W. Jeffrey Sparks Title: Agent

Signature: W. Jeffrey Sparks Date: 3/10/95

- * 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.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

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:

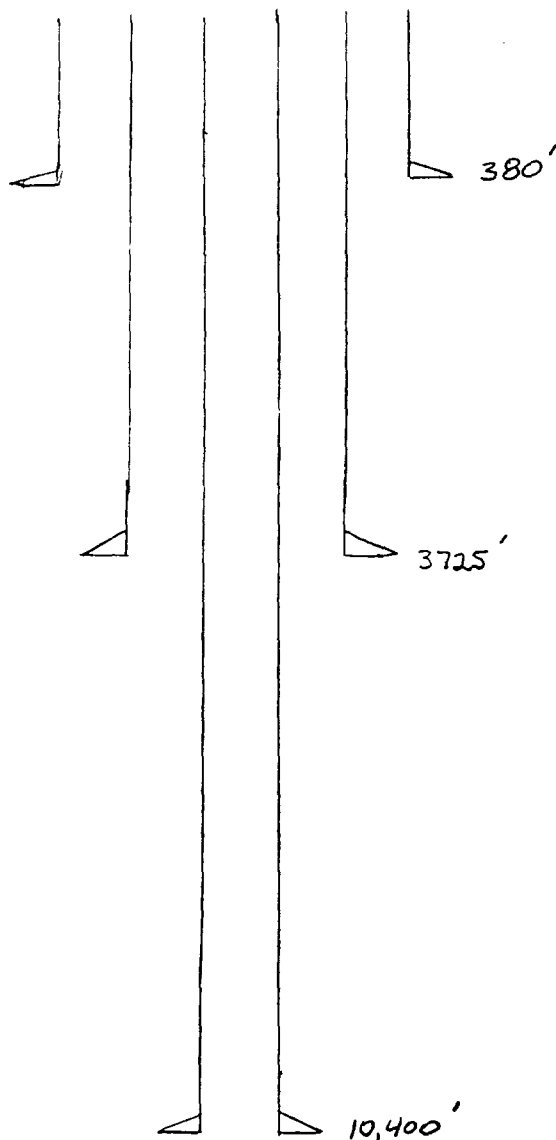
- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates 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.

INJECTION WELL DATA SHEET

Burro Pipeline G.S. #1
 OPERATOR LEASE
#1 2086' FNL & 1874' FEL B 11S 33E
 WELL NO. FOOTAGE LOCATION SECTION TOWNSHIP RANGE

SchematicTabular DataSurface Casing

Size 12 3/4 " Cemented with 350 sx.
 TOC Surface feet determined by circulated
 Hole size 17

Intermediate Casing

Size 8 5/8 " Cemented with 400 sx.
 TOC 2150 feet determined by calculated
 Hole size 11

Long string

Size 5 1/2 " Cemented with 575 sx.
 TOC 7080 feet determined by calculated
 Hole size 7 7/8
 Total depth 10,400'

Injection interval

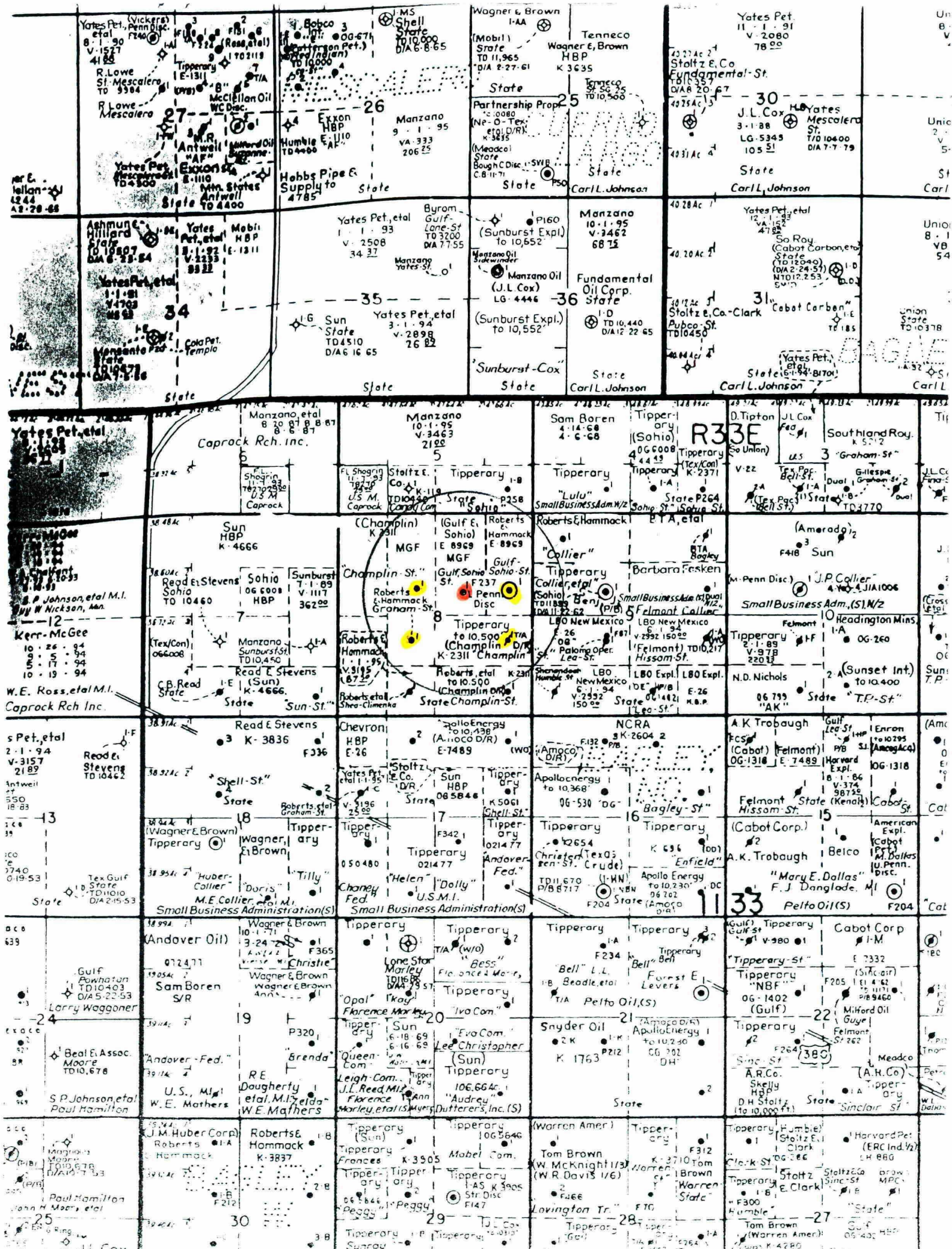
9100 feet to 10,354 feet
 (perforated or open-hole, indicate which)
all perforated

Tubing size 2 7/8 " lined with PVC set in a
 (material)
Baker Model "R" packer at 9000 feet
 (brand and model)

(or describe any other casing-tubing seal).

Other Data

- Name of the injection formation Penn
- Name of Field or Pool (if applicable) North Bagley
- Is this a new well drilled for injection? ☐ Yes ☒ No
 If no, for what purpose was the well originally drilled? Oil Production
- Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) No
- Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area.
Base Wolfcamp Carbonate: 8872'



VI.

Tipperary #1 Champlin OIL P&A 1/16/78
 Sec. 8, T11S, R33E Unit I
 1980' FSL & 660' FEL
 Spud: 4/4/67 TD: 10,400' PBTD: 10,325'
 Perfs: 10,114-116; 10,142-144; 10,192-194; 10,272-274
 IP: 120 BO + 180 BW (5/26/67)

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>
16"	13%	375'	400 sx
10 $\frac{3}{4}$ "	8%	3718'	200 sx
7 $\frac{7}{8}$ "	4 $\frac{1}{2}$	10400'	650 sx

Tipperary Oil & Gas #1 Gulf-Sohio St. OIL
 Sec. 8, T11S, R33E Unit H
 1980' FNL & 660' FEL
 Spud: 4/19/65 TD: 10,365' PBTD: 10,341'
 Perfs: 9420-28; 9570-80; 10,312-28; 10234-50; 10,168-80; 10,096-10,104; 10,054-70
 Squeezed: 10,098-180 with 166 sx
 IP: 237 BO + 158 BW (9/2/65)

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>
13"	11 $\frac{3}{4}$	389'	400 sx
10"	8%	4000'	450 sx
7"	5 $\frac{1}{2}$	10365'	800 sx

Dwight A. Tipton #1 Graham State OIL P&A 4/15/91
 Sec. 8, T11S, R33E Unit K
 1980' FSL & 1980' FWL
 Spud: 12/28/67 TD: 10,400
 Perfs: 9431, 9435, 9564, 9566, 10124, 10127, 10310, 10313, 10318
 IP: 225 BO + 413 BW (2/26/68)

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>
13"	11 $\frac{3}{4}$	425'	400 sx
11"	8%	3969'	450 sx
7 $\frac{7}{8}$ "	4 $\frac{1}{2}$	10398'	450 sx

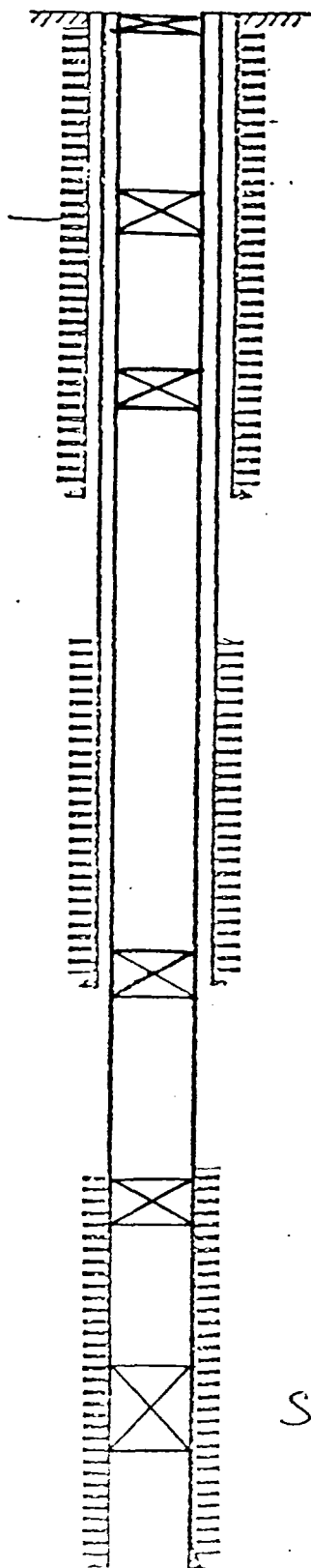
MGF #1 Champlin State OIL
 Sec. 8, T11S, R33E Unit F
 1980' FNL & 2130' FWL
 Spud: 3/5/69 TD: 10,430' PBTD: 10,428
 Perfs: 9504, 9506, 9647, 9651, 9658, 9924, 9929, 10184, 10186, 10192, 10220, 10221, 10288, 10290, 10295, 10307, 10310, 10375, 10378, 10380, 10385
 Packed Off: 9504-9929
 IP: 225 BO + 200 BW (5/15/69)

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>
17"	12 $\frac{3}{4}$	370'	350 sx
11"	8%	3755'	400 sx
7 $\frac{7}{8}$ "	5 $\frac{1}{2}$	10430'	575 sx

Tipperary Oil and Gas #1 G.S. State OIL
 Sec. 8, T11S, R33E Unit G
 2086' FNL & 1874' FEL
 Spud: 10/23/68 TD: 10,400' PBTD: 10,376'
 Perfs: 9602, 9608, 9613, 9616, 9619, 10147, 10149, 10151, 10154, 10180, 10216, 10218, 10221, 10262, 10276, 10278, 10281, 10290, 10325, 10342, 10347, 10351, 10354
 IP: Pumping 291 BO + 300 BW (12/11/68)

<u>HOLE</u>	<u>CSG</u>	<u>DEPTH</u>	<u>CEMENT</u>
17"	12 $\frac{3}{4}$	380'	350 sx
11"	8%	3725'	400 sx
7 $\frac{7}{8}$ "	5 $\frac{1}{2}$	10400'	575 sx

OPERATOR TIPPERARY		DATE P#A 1-16-78	
LEASE CHAMPLIN	WELL No. 1	LOCATION S. 8 T11S R33E UNIT I	



SPOT 10 SX @ SURFACE

SPOT 70 SX @ 375' TOP CMT @ 275'

SPOT 50 SX @ 850' TOP CMT @ 745'

13 3/8" casing set at 375' with 400 sx of _____ cemen
Hole size 16"

SPOT 50 SX @ 3785' TOP CMT @ 3645'

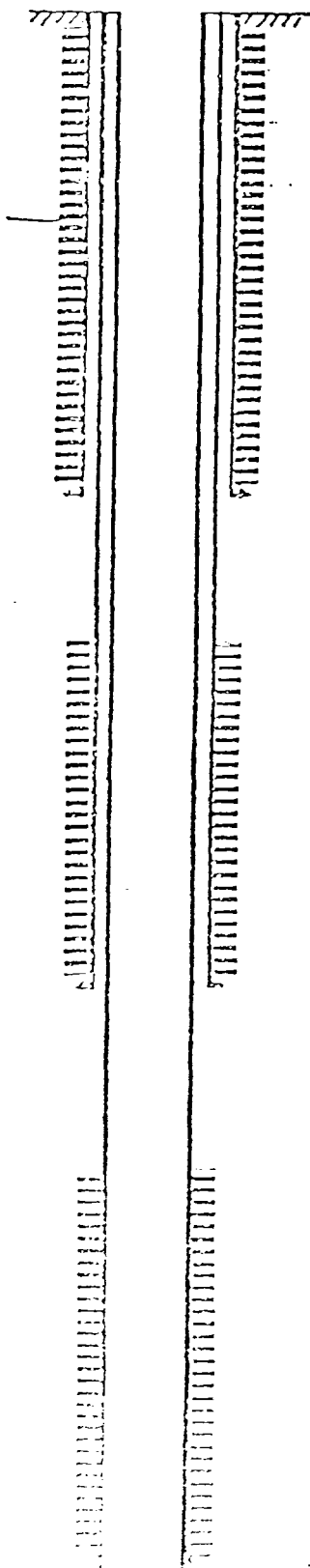
8 5/8" casing set at 3735' with 200 sx of _____ cement
Hole size 10 3/4"

SPOT 50 SX @ 4420' TOP CMT @ 4320'

SPOT 100 SX @ 7300' TOP CMT @ 5673'

4 1/2" casing set at 10400' with 650 sx of _____ cement
Total depth 10,400' Hole size 7 7/8"

OPERATOR TIPPERARY oil & Gas		DATE 8-31-65	
LEASE GULF-SOHIO STATE	WELL No. 1	LOCATION S. 8 T11S R33E UNIT H	

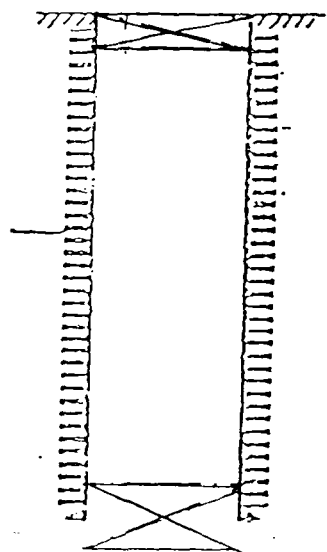


10 3/4 " casing set at 325 ' with 325 sx of _____ cement
Hole size 13 "

8 5/8 " casing set at 4000 ' with 300 sx of _____ cement
Hole size 10 "

5 1/2 " casing set at 10350 ' with 600 sx of _____ cement
Total depth 10355 ' Hole size 7 "

OPERATOR: Dwight A. Tipton		DATE: 12-28-67
LEASE: Graham St.	WELL No: 1	LOCATION: Sec 8, T-11-S, R-33-E unit K

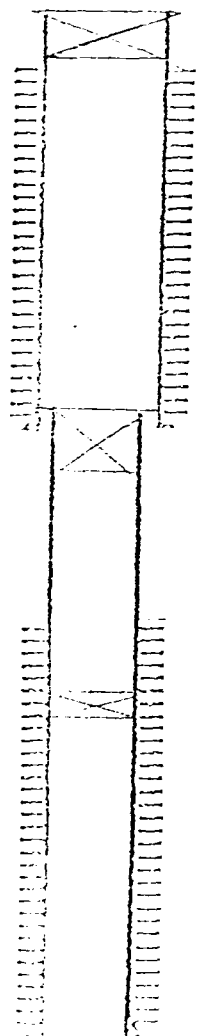


Spot 10 sx in top of surface csg.

Spot 75 sx across surface shoe 475' - 317'

11 3/4" casing set at 425' with 400 sx of cement

Hole size 13"



Spot 45 sx across 8 5/8" stub 850' - 735'

Spot 75 sx across 4 1/2" stub & 8 5/8" shoe 4120' - 3803'

8 5/8" casing set at 3969' with 450 sx of cement

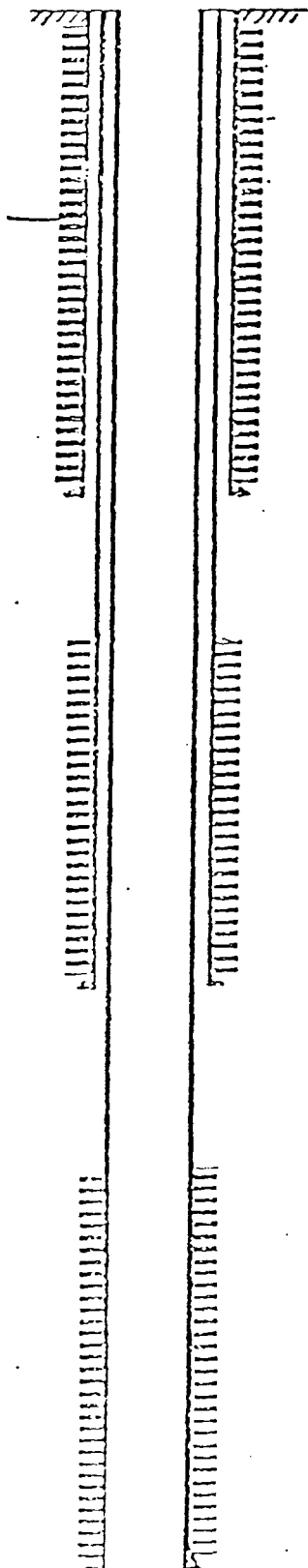
Hole size 11"

Set CIBF @ 8500' & cap with 250' cnt.

4 1/2" casing set at 10398' with 450 sx of cement

Total depth 10,400' Hole size 7 7/8"

OPERATOR MGF		DATE 3-5-69	
LEASE Champlin ST.	WELL No. 1	LOCATION Sec 8, T-11-S, R-33-E unit F	



12 3/4 " casing set at 370 ' with 350 sx of _____ cement
Hole size 17 "

8 5/8 " casing set at 3755 ' with 400 sx of _____ cement
Hole size 11 "

5 1/2 " casing set at 10,430 ' with 575 sx of _____ cement
Total depth 10,430 ' Hole size 7 7/8 "

OPERATOR Tipperary Oil & Gas		DATE 10-23-68	
LEASE G.S. State	WELL No. 1	LOCATION Sec 8, T-11-S, R-33-E, unit G	

12 3/4 " casing set at 380 ' with 350 sx of _____ cement
Hole size 17 "

8 5/8 " casing set at 3,725 ' with 400 sx of _____ cement
Hole size 11 "

5 1/2 " casing set at 10,400 ' with 575 sx of _____ cement
Total depth 10,400 ' Hole size 7 7/8 "

VII.

1. Average Daily Rate: 3500 BW
Maximum Daily Rate: 4500 BW
2. Closed System
3. Inject on Vacuum Initially
4. Re-Injected Produced Water
5. Not Applicable

VIII.

The proposed injection zone is considered to be Pennsylvanian Age. Lithologically it is a limestone of shelf origin. The approximate depth at this locale is 9,000' - 10,400'. The fresh water aquifer at this site is the Ogallala found from near surface to 350'.

IX. None at this time.

X. Log is attached.

XI. No fresh water well known within one mile of well.

XII. Applicant attests that a thorough examination has been made of all available geologic, engineering, and well data and that no hydrologic connection exists between the proposed injection interval and the overlying fresh water aquifer.

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