

PERFORATING GUNS ATLAS CORPORATION

Simultaneous

#4248

Radiation Log

LOG NO. 19232		COMPANY GULF OIL CORPORATION																																											
STATION 40880		WELL FEDERAL LITTLEFIELD AA - 1																																											
TRUCK NO. 38-22		FIELD N. BRUGANT																																											
COUNTY STATE		ELIJAH, NEW MEXICO																																											
LOCATION		990' FSL, 560' FSL, 100' TO TOP, 14-S HGE. 31-4																																											
LOG MEAS. FROM 1' ABOVE D.F.		ELEV 3641 D.F.																																											
DRUG MEAS. FROM SAME		ELEV 3641 D.F.																																											
PERMANENT DATUM G.L.		ELEV 3631																																											
<table border="1"> <thead> <tr> <th colspan="3">CASING RECORD</th> <th colspan="3">BORE HOLE RECORD</th> </tr> <tr> <th>SIZE - WT.</th> <th>FROM</th> <th>TO</th> <th>BIT SIZE - "</th> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr> <td>7</td> <td>SURF</td> <td>850</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>4 1/2 - 9.5</td> <td>"</td> <td>750</td> <td>6 1/8</td> <td>-</td> <td>-</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				CASING RECORD			BORE HOLE RECORD			SIZE - WT.	FROM	TO	BIT SIZE - "	FROM	TO	7	SURF	850	-	-	-	4 1/2 - 9.5	"	750	6 1/8	-	-																		
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COMPANY	WELL	FIELD	COUNTY	STATE																																									
GULF OIL CORPORATION	FEDERAL LITTLEFIELD AA - 1	N. BRUGANT	ELIJAH	NEW MEXICO																																									
TYPE OF LOG																																													
GAMMA RAY - NEUTRON																																													
DATE																																													
4-17-56																																													
TOTAL DEPTH - DRILLER																																													
3745 P.M.T.D.																																													
TOTAL DEPTH - P.G.A.C.																																													
3745																																													
FLUID IN HOLE																																													
OIL																																													
FLUID LEVEL																																													
387																																													
BATH THERMISTOR																																													
1 3/4																																													
INSTRUMENT O.D. AND NO.																																													
YH - YPE																																													
NEUTRON SOURCE TYPE																																													
RB - 300																																													
CPS FOR CALIB STD - GR																																													
N																																													
RECORDED BY																																													
J. BRAUNER																																													
WITNESSED BY																																													
B. EVANS																																													
LOGGING INTERVAL RECORD																																													
GAMMA-RAY																																													
NEUTRON																																													
SCALE	FROM	TO	SPEED	SENSITIVITY	T.C.																																								
PAID	FT.	FT.	"/MIN.	RECD'R SCALE°/100m	SEC.																																								

REMARKS:

ILLEGIBLE

THE WESTERN COMPANY



GAMMATRON

#4248

PLUG NO. 26121

COMPANY CHAMBERS & KENNEDY

WELL GULF FEDERAL # 2

FIELD N. SHUGART

COUNTY EDDY STATE NEW MEXICO

LOCATION:

330'FNL & 330'FEL,

SEC 20 TWP -18-S RGE -31-E

OTHER SERVICES:

ELEVATIONS:

PERMANENT DATUM GROUND LEVEL ELEV

LOG MEASURED FROM 3 FT ABOVE PERMANENT DATUM

DRILLING MEASURED FROM D.F. = 3' ABOVE GROUND L.

DATE	2-16-61	2-16-61	
RUN NO.	ONE-NW	ONE-NW	
TYPE LOG	GAMMA-RAY	NEUTRON	
DEPTH-DRILLER	3243.5	3243.5	
DEPTH-LOGGER	3243.5	3243.5	
BOTTOM LOGGED INTERVAL	3234.5	3242	
TOP LOGGED INTERVAL	SURF.	SURF.	
TYPE FLUID IN HOLE	WATER	WATER	
SALINITY PPM CL			
DENSITY			
LEVEL	FULL	FULL	
MAX. REC. TEMP. DEG. F			
OPR. RIG TIME	2 HRS.	2 HRS.	
RECORDED BY	CARROLL	CARROLL	
WITNESSED BY	MR. HECK	MR. HECK	

BORE HOLE RECORD				CASING RECORD			
RUN NO.	SIZE	FROM	TO	RUN NO.	SIZE	FROM	TO
8"		SURF.	T.O.	5"		SURF.	T.O.

BEFORE EXAMINER UTZ
OIL CONSERVATION COMM.
APP EXHIBIT NO. 4
CASE NO. 4247

J. J. Travis
State Phillips
TD 3605

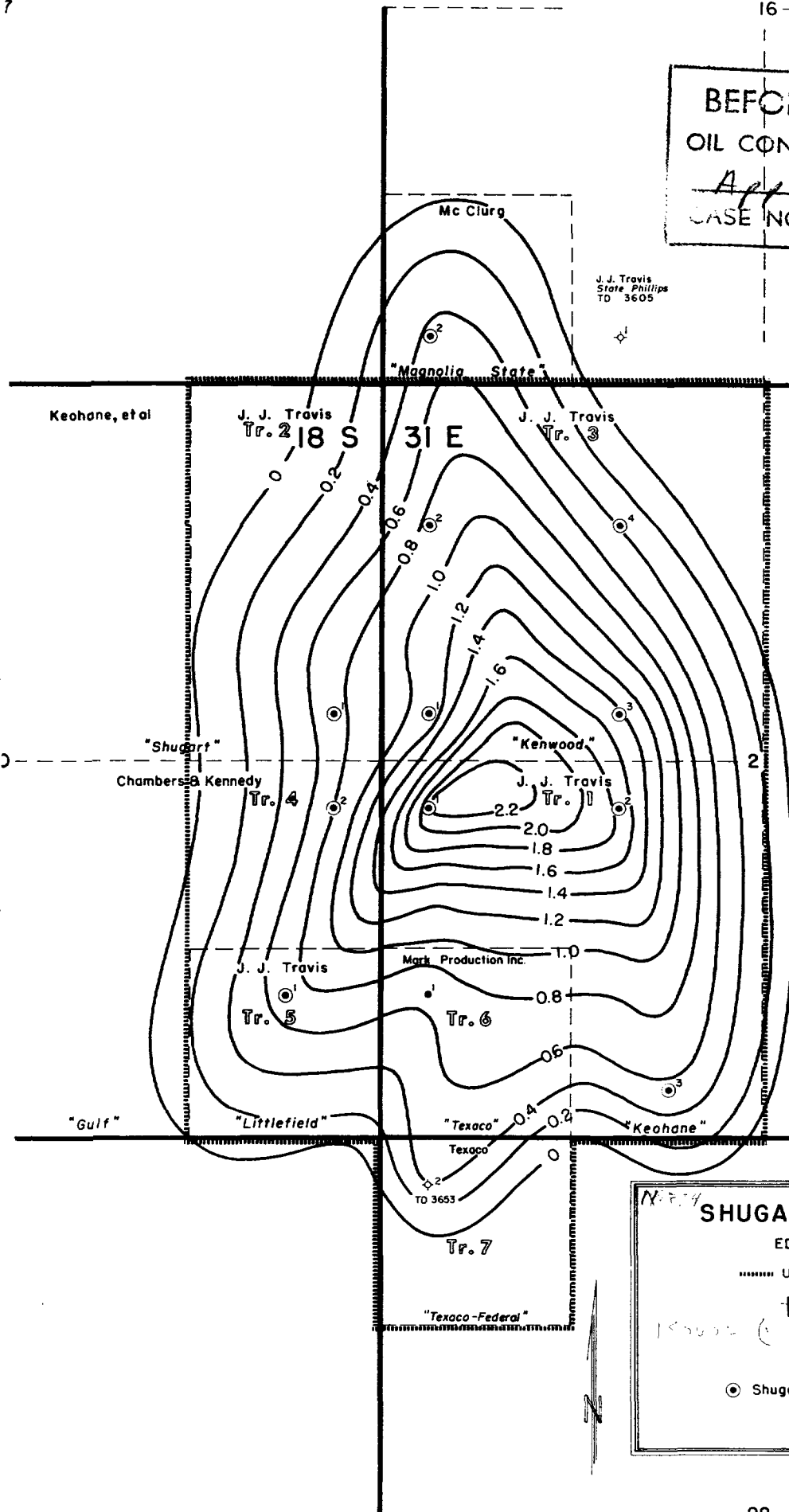
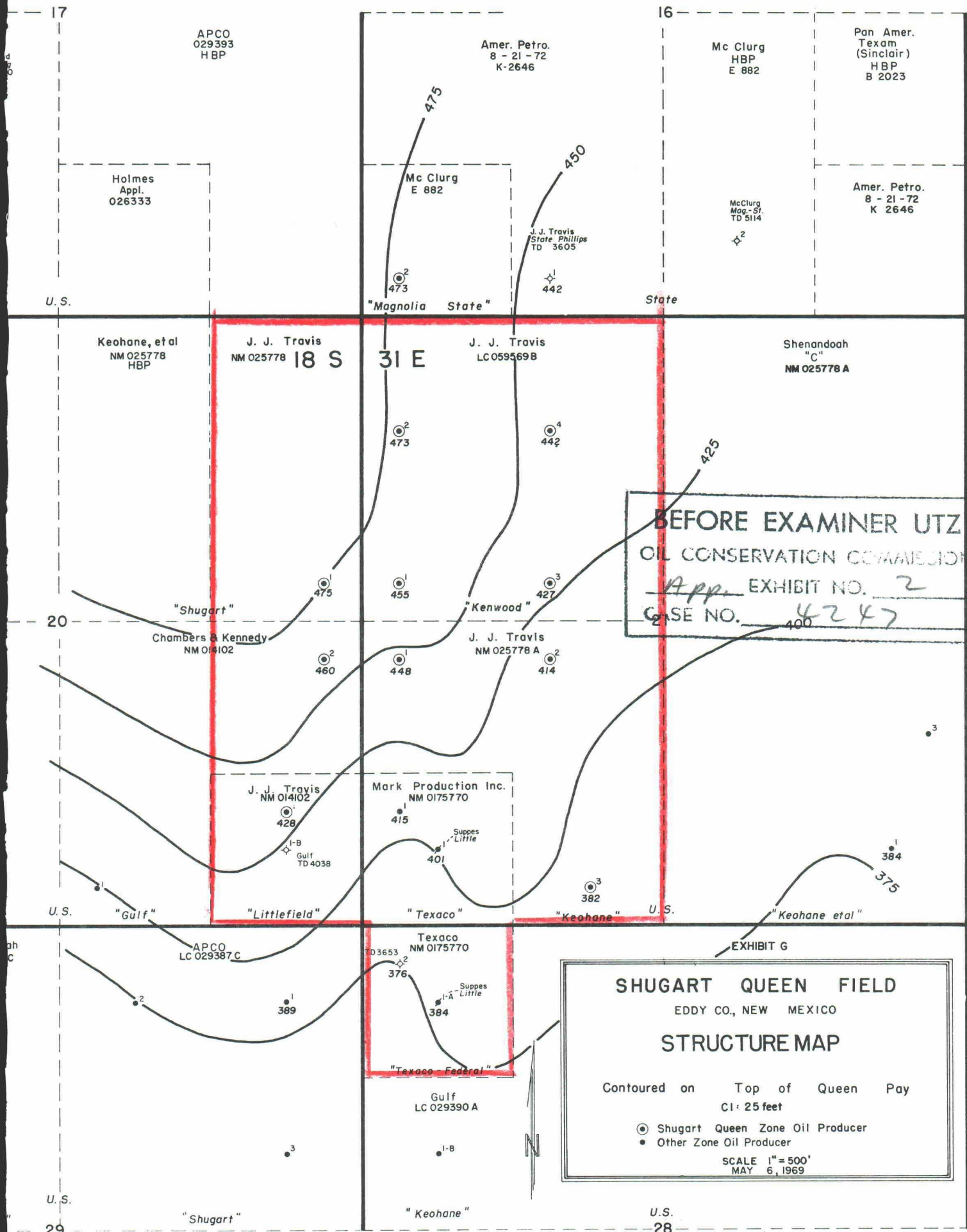


EXHIBIT J

SHUGART QUEEN FIELD
EDDY CO. NEW MEXICO
..... Unit Boundary Tr. 1 Tract Number
ISOVOL MAP
15000 (15000) (15000)
CI: 0.2 Porosity Feet
● Shugart Queen Zone Oil Producer
SCALE 1" = 500'
MAY 6, 1969



BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
App. EXHIBIT NO. 2
CASE NO. 4247

EXHIBIT G

SHUGART QUEEN FIELD
EDDY CO., NEW MEXICO

STRUCTURE MAP

Contoured on Top of Queen Pay
CI: 25 feet

● Shugart Queen Zone Oil Producer
• Other Zone Oil Producer

SCALE 1" = 500'
MAY 6, 1969

TELE.: MU 2-2431

J. J. TRAVIS & COMPANY

Oil Producers

BOX 873

MIDLAND, TEXAS 79701

November 12, 1969

Oil Conservation Commission
State Land Office Building
Santa Fe, New Mexico

Attention: Mr. E. A. Utz

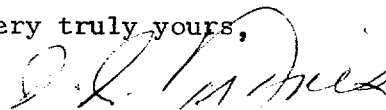
RE: Case Nos. 4247 and 4248 Application of
J. J. Travis for approval of Unit
Agreement and Waterflood Project

Gentlemen:

At the hearing held on November 5, 1969, with reference to the captioned cases, we submitted schematic drawings of the nine (9) injection wells scheduled to be used in the waterflood of the North Shugart Queen Unit, Eddy County, New Mexico.

The Nos. 2, 3 and 4 Kenwood wells and the Nos. 2 and 3 Keohane wells that we drilled showed the top of the cement on the basis of temperature surveys run at the time the wells were cemented. Temperature surveys apparently were not run on the other four proposed injection wells, namely: Littlefield AA Federal No. 1, drilled by Gulf; Chambers & Kennedy Gulf Federal No. 2, and Keohane Shugart Federal No. 1 located in Section 20, T-18-S, R-31-E, and Chemical Express Texaco Federal No. 1 located in Section 21, T-18-S, R-31-E. We enclose duplicate schematic drawings of these four wells showing a calculated top of the cement as requested by the Commission at the date of the Hearing.

Very truly yours,

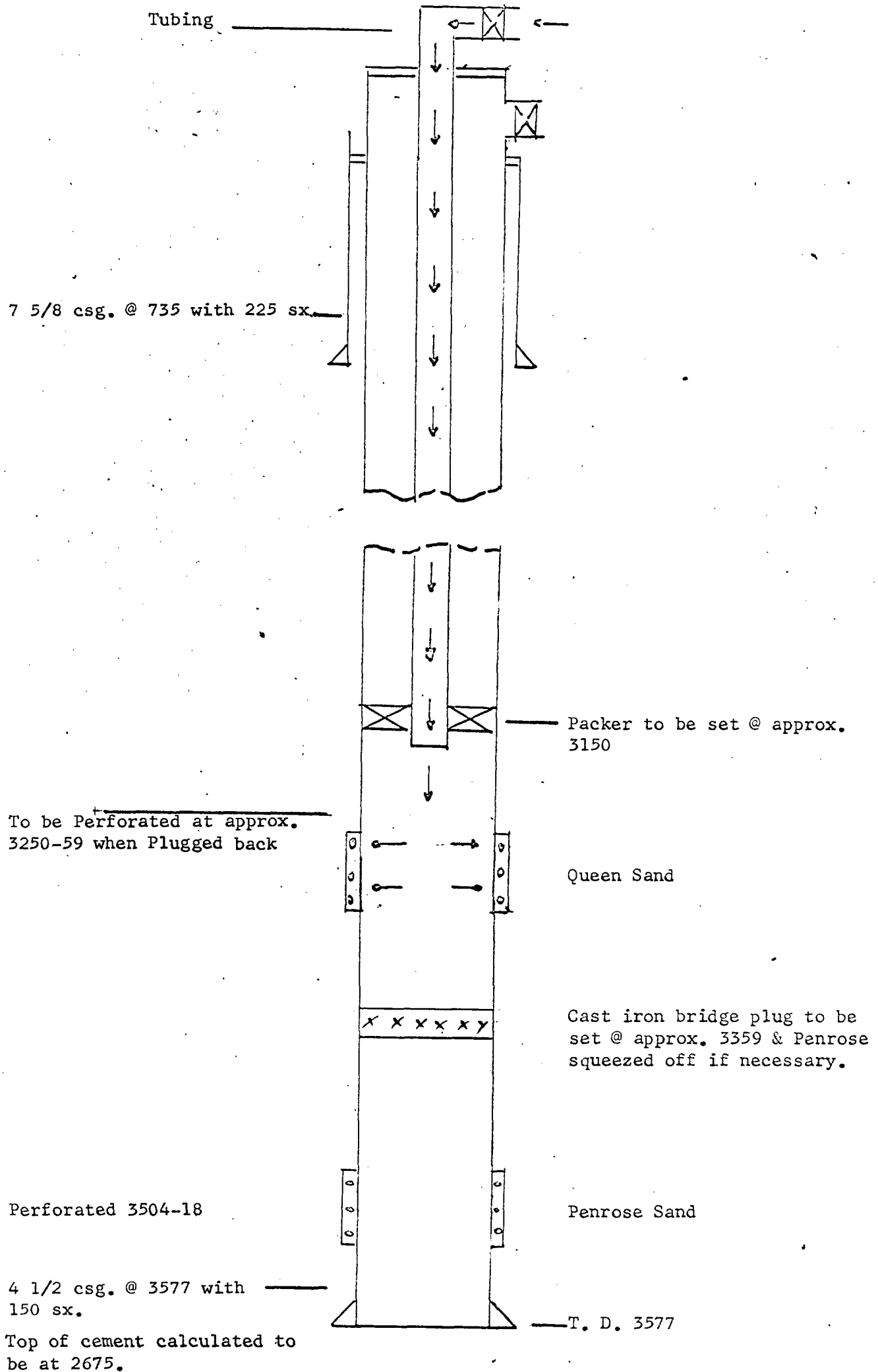


J. J. Travis

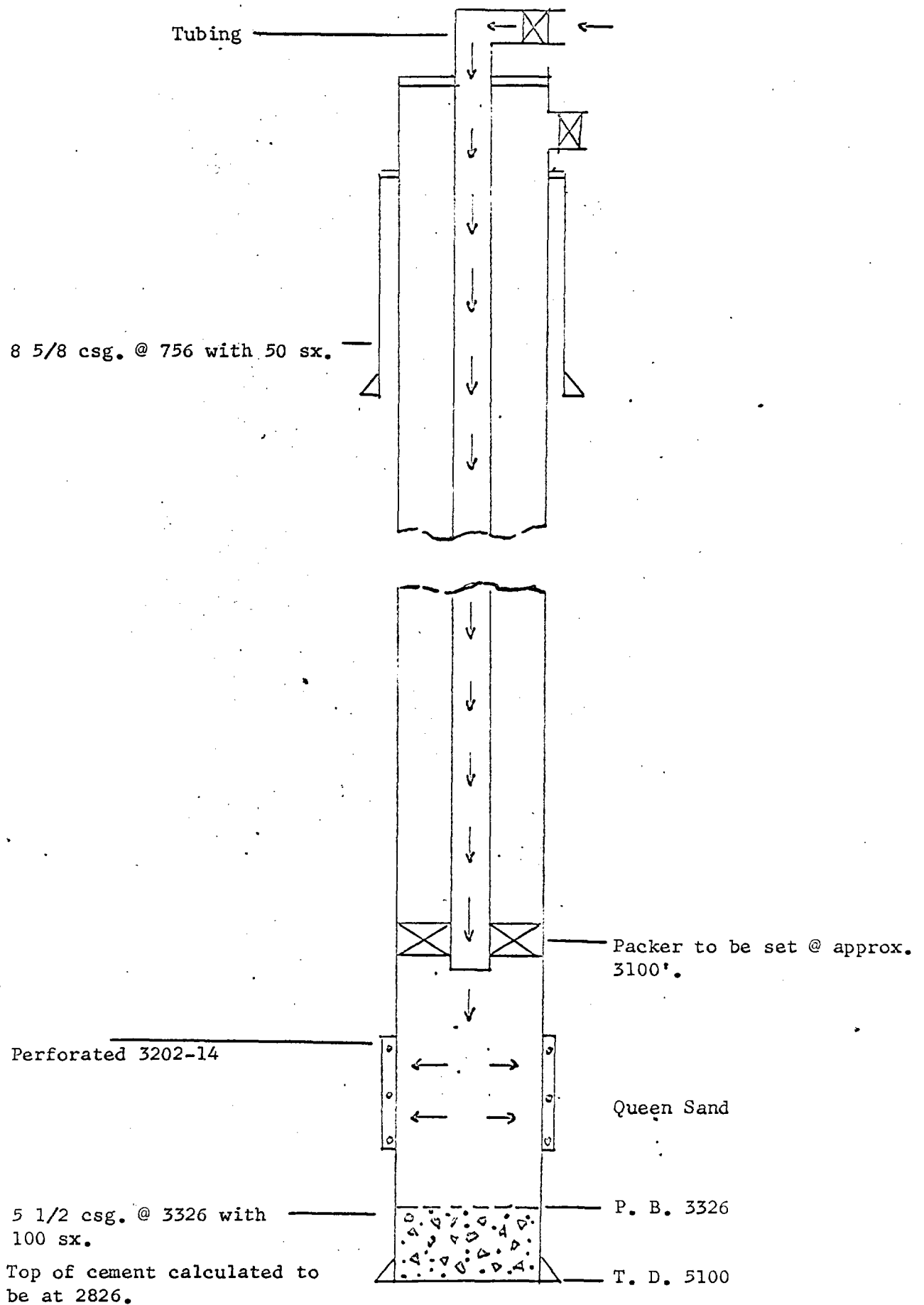
JJT:MJD

Encl.

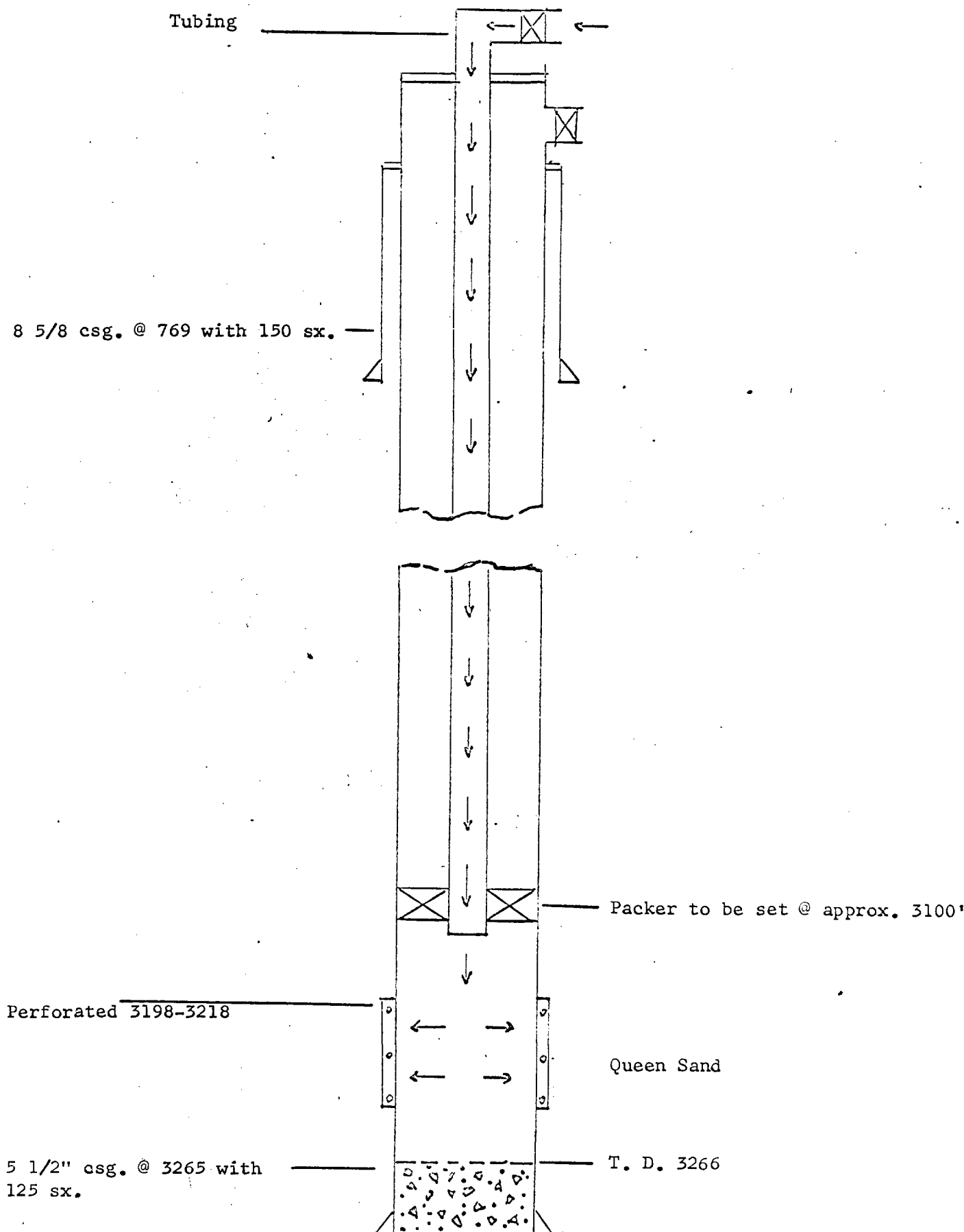
J. J. TRAVIS
 NORTH SHUGART QUEEN UNIT
 SCHEMATIC DRAWING OF INJECTION WELL
 CHEMICAL EXPRESS TEXACO FEDERAL #1
 990' FS & 330' FWL, Sec. 21, T-18-S, R-31-E
 EDDY COUNTY, NEW MEXICO



J. J. TRAVIS
 NORTH SHUGART QUEEN UNIT
 SCHEMATIC DRAWING OF INJECTION WELL
 SHUGART FEDERAL #1
 2310 FN & 330 FEL, Sec. 20, T-18-S, R-31-E
 EDDY COUNTY, NEW MEXICO

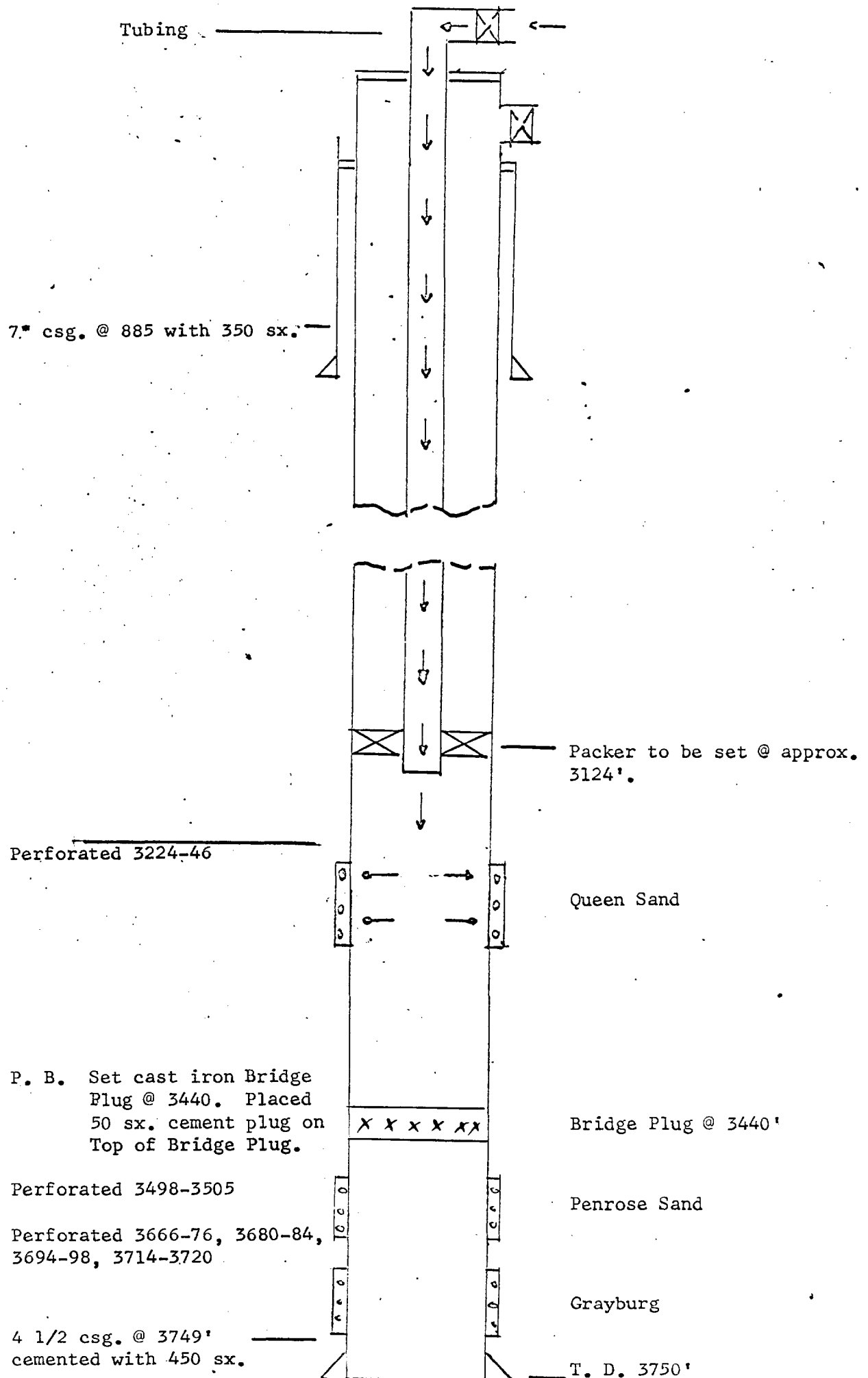


CHAMBERS & KENNEDY, N. SHUGART QUEEN UNIT
 SCHEMATIC DRAWING OF INJECTION WELL
 GULF FEDERAL #2
 2310 FS & 330 FEL, Sec. 20, T-18-S, R-31-E
 EDDY COUNTY, NEW MEXICO



Top of cement calculated to be
 at 2715.

J. J. TRAVIS
NORTH SHUGART QUEEN UNIT
SCHEMATIC DRAWING OF INJECTION WELL
LITTLE FIELD FEDERAL A. A. # 1
990 FS & 660 FEL, Sec. 20, T-18-S, R-31-E
EDDY COUNTY, NEW MEXICO



Top of cement calculated to be at bottom of surface pipe at 756.



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO

P. O. BOX 2088 - SANTA FE

87801

GOVERNOR
DAVID F. CARGO
CHAIRMAN

LAND COMMISSIONER
ALEX J. ARMIJO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

December 17, 1969

Mr. Clarence Hinkle
Hinkle, Bondurant & Christy
Attorneys at Law
Post Office Box 10
Roswell, New Mexico 88201

Re: Case No. 4248
Order No. R-3871-A
Applicant:
J. J. Travis

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

ALP/ir

Copy of order also sent to:

Hobbs OCC X

Artesia OCC X

Aztec OCC

Other U. S. Geological Survey - Artesia, N. M.

Mr. D. E. Gray, State Engineer Office, Santa Fe, N. M.

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

November 10, 1969

**Mr. Clarence Hinkle
Hinkle, Bondurant & Christy
Attorneys at Law
Post Office Box 10
Roswell, New Mexico**

Dear Sir:

Enclosed herewith is Commission Order No. R-3871, entered in Case No. 4248, approving the J. J. Travis North Shugart Queen Unit Water-flood Project.

Injection is to be through the nine authorized water injection wells, each of which is to be equipped with a string of plastic-lined tubing set in a packer. Packers shall be set approximately 100 feet above the uppermost perforation. The casing-tubing annulus shall be loaded with a corrosion inhibited fluid and equipped with a pressure gauge at the surface.

As to allowable, our calculations indicate that when all of the authorized injection wells have been placed on active injection, the maximum allowable which this project will be eligible to receive under the provisions of Rule 701-B-3 is 462 barrels per day when the South-east New Mexico normal unit allowable is 42 barrels per day or less.

Please report any error in this calculated maximum allowable immediately, both to the Santa Fe office of the Commission and the appropriate district proration office.

In order that the allowable assigned to the project may be kept current, and in order that the operator may fully benefit from the allowable provisions of Rule 701, it behooves him to promptly notify both of the aforementioned Commission offices by letter of any change in the status of wells in the project area, i.e., when active injection commences, when additional injection or producing wells are drilled, when additional wells are acquired through purchase or unitization, when wells have received a response to water injection, etc.

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

-2-

November 10, 1969

**Mr. Clarence Hinkle
Hinkle, Bondurant & Christy
Attorneys at Law
Post Office Box 10
Roswell, New Mexico**

**Your cooperation in keeping the Commission so informed as to the
status of the project and the wells therein will be appreciated.**

Very truly yours,

**A. L. PORTER, Jr.
Secretary-Director**

ALP/DSN/ir

**cc: Oil Conservation Commission
Hobbs and Artesia**

**U. S. Geological Survey
Drawer U
Artesia, New Mexico 88210**

**Mr. D. E. Gray
State Engineer Office
Santa Fe, New Mexico**

NOV 17 1959

Memo

From

W. A. Gressett, Supervisor and
Oil & Gas Inspector

To Chris

according to our records the
J. J. Travis Keokuk Federal # 3
is located 330' from the south
line, not 300 as shown on order
R - 3871.

CLARENCE E. HINKLE
W. E. BONDURANT, JR.
S. B. CHRISTY IV
LEWIS C. COX, JR.
PAUL W. EATON, JR.
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY, JR.

LAW OFFICES
HINKLE, BONDURANT & CHRISTY
600 HINKLE BUILDING
ROSWELL, NEW MEXICO 88201

OCT 31 1969
MIDLAND, TEXAS OFFICE
521 MIDLAND TOWER
(915) MU 3-4691

October 30, 1969

TELEPHONE (505) 622-6510
POST OFFICE BOX 10

Oil Conservation Commission
Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

We enclose herewith application in triplicate of J. J. Travis for approval of a waterflood project for the North Shugart Queen Unit Area, together with the exhibits referred to therein.

The writer has discussed this matter with Mr. Nutter and the same has been placed on the examiner's hearing docket for November 5 as No. 4248.

Yours very truly,

HINKLE, BONDURANT & CHRISTY

By Clarence E. Hinkle
(s)

CEH:cs
Enc.
cc: J. J. Travis