

MURPHY H. BAXTER

1126 VAUGHN BUILDING
MIDLAND, TEXAS 79704

June 1, 1965

Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Re: Application for Administrative Approval
for Conversion of Two Wells to Water
Injection, Maljamar (G-SA) Field,
Lea County, New Mexico

Gentlemen:

As provided in the Oil Conservation Commission Order No. R-2156 and Rule 701 of the OCC Rules and Regulations, Murphy H. Baxter as an Operator requests administrative approval for the conversion of the following two wells which are located in the projected area:

Baxter - State 17, Well No. 8, located in Unit H of
Section 17, Township 17 South, Range 33 East;

Baxter - State 18-13, Well No. 6, located in Unit O of
Section 13, Township 17 South, Range 32 East;

all being in N.M.P.M., Lea County, New Mexico.

Attached to this letter is a plat of the project area showing all producing and injection wells on the subject leases and also on all offset leases.

The above two wells are offset by a producing well which has experienced response from waterflooding as indicated by the attached Form C-116.

A schematic diagram of the proposed injection wells is attached which shows the casing, perforation, and top of cement presently in the wells and the proposed tubing and packer arrangement to be used on converting to injection.

A copy of this application has been sent to the offset operators, Pennzoil Company, Midland, Texas, Sinclair Oil & Gas Company, Midland, Texas, and Leonard Nichols, Dallas, Texas.

Oil Conservation Commission
Application for Water Injection
Page 2

It is respectfully requested that permission to convert our State 17 Well No. 8 and State 18-13 Well No. 6 to water injection be granted at this time as these wells will complement the present established water-flood pattern and will increase ultimate oil recovery.

Respectfully submitted,

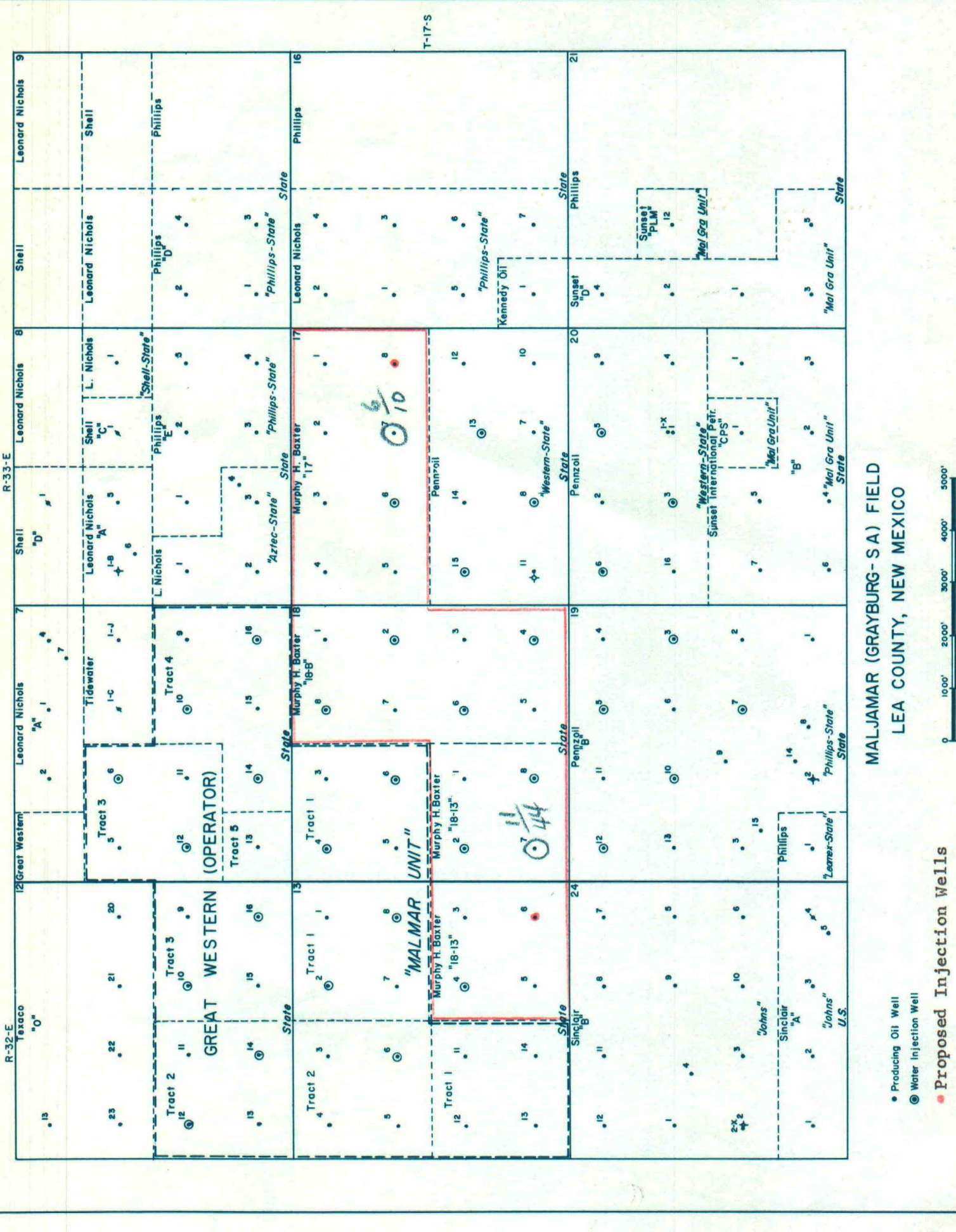
MURPHY H. BAXTER

By: W. U. Summer
W. U. Summer
Engineer

WUS/ph

Attachments -

cc: State Engineer



MALJAMAR (GRAYBURG-SA) FIELD
LEA COUNTY, NEW MEXICO

- Producing Oil Well
- ⊙ Water Injection Well
- Proposed Injection Wells

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-65

Operator MURPHY H. BAXTER		Pool Maljamar (G-SA)		County Lea												
Address 1126 Vaughn Building, Midland, Texas 79704				TYPE OF TEST - (X)	Scheduled <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL				
	U	S	T						R	WATER BBL.	GRAV. OIL BBL.		GAS M.C.F.			
State 17	7	G	17	17	33	4/15/65	P	--	--	3	24	0	36	6	14	2333
State 18-13	7	M	18	17	33	6/7/65	P	--	--	18	24	25	36	11	43	3910

No well will be assigned an allowable greater than the amount of oil produced on the official test.
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

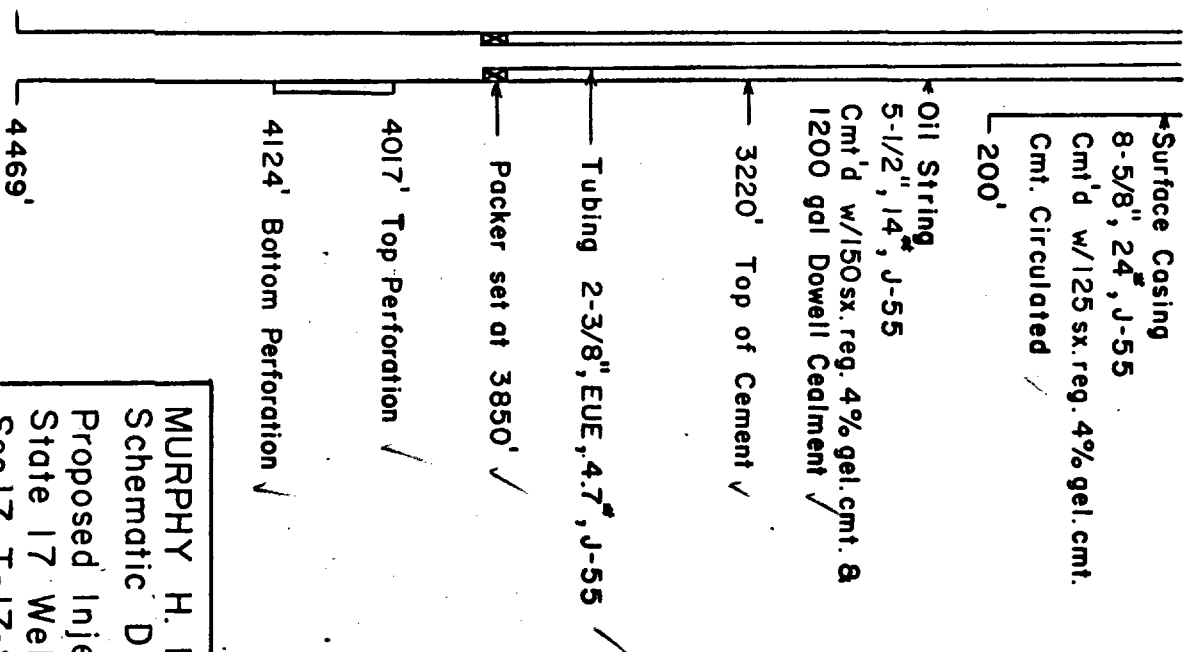
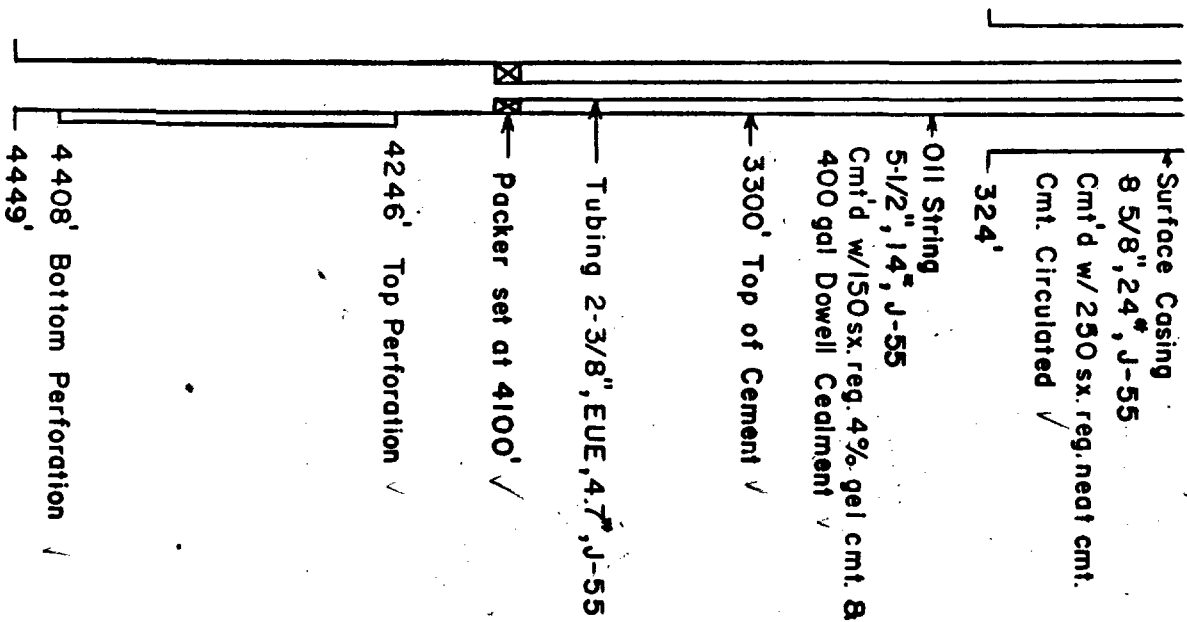
Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 301 and appropriate pool rules.

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

M.H. Baxter
(Signature)
MURPHY H. BAXTER
PETROLEUM ENGINEER
(Title)
June 1, 1965
(Date)

STATE 17 WELL No. 8

STATE 18-13 WELL No. 6



MURPHY H. BAXTER
Schematic Drawing
Proposed Injection Wells
State 17 Well No. 8, Unit H,
Sec. 17, T-17-S, R-33-E, &
State 18-13 Well No. 6 Unit O
Sec. 13, T-17-S, R-32-E, Leaco.
Maljamar (G-SA) Field

C-116
Revised 1-1-65

County

Tea

Special ☒

LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT./BBL
		U	S	T	R							WATER BBLs.	GRAV. OIL	OIL BBLs.	GAS M.C.F.	
State 17	7	G	17	17	33	5/18/65	P	--	--	14	24	0	36	10	22	2200
State 18-13	7	M	18	17	33	5/17/65	P	--	--	66	24	181	36	44	23	523

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(Signature)

PETROLEUM ENGINEER

June 1, 1965

(Date)