

ARCHIE M. SPEIR

P. O. DRAWER 40

ARTESIA, NEW MEXICO - 88210

May 9, 1967

MAIN OFFICE 010

'67 MAY 10 AM 8 25

1101 X - 263

100 11 11 11

Mr. A. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Post Office Box 2088  
Santa Fe, New Mexico 87501

Dear Mr. Porter:

Commission Order No. R 2882 approved the South Red Lake Grayburg Unit waterflood project and expanded by order WFX-250.

Administrative approval is requested for expansion of the waterflood project by injection of water into Well No. 3 Tract 10, and change in the injection patten, as originally approved, for injection into Well No. 5 Tract 23. Well No. 2 Tract 23, an original approved injection well will remain as a production well and will be replaced by Well No. 5 Tract 23. This will close out the injection pattern as these wells are on the eastern limits of the reservoir.

For additional evidence for approval the following are enclosed:

- (1) Plat showing the unit area, which are all of the wells in the area producing from the unitized formation.
- (2) Well tests on form C-116 of:
  - (a) Well No. 3 Tract 10
  - (b) Well No. 4 Tract 10
  - (c) Well No. 4 Tract 15
- (3) Schematic diagrams of the present casing and proposed casing in Well No. 3 Tract 10 and Well No. 5 Tract 23.

Injection will be by connection to the present system. Water for the waterflood project is purchased from Double-Eagle Corporation.

State Engineer is notified by receipt of one copy of this application.

Yours very truly,

*Archie M. Speir*

Archie M. Speir  
UNIT OPERATOR

AMS/tjs

Encl.

cc: Frank Irby  
State Engineer Office  
Santa Fe, New Mexico 87501

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

C-116  
Revised 1-1-65

Operator <b>ARCHIE M. SPEIR</b>		Pool <b>Red Lake</b>		County <b>Eddy</b>												
Address <b>Post Office Drawer 40 Artesia, New Mexico 88210</b>		TYPE OF TEST - (X) <input checked="" type="checkbox"/> TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>												
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	SIZING	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.	
<b>South Red Lake Grayburg Unit</b>																
Tract 10	3	N	36	17	27	2/2/67	P	2	0	1	24	0	33	1	TSTM	
" "	"	"	"	"	"	5/1/67	P	2	0	1	24	1	35	9	TSTM	
Tract 10	4	K	36	17	27	2/6/67	P	2	0	1	24	0	33	1	TSTM	
" "	"	"	"	"	"	4/5/67	P	2	0	1	24	1	35	17	TSTM	
Tract 15	4	F	36	17	27	12/14/66	P	2	0	2	24	0	34	6	TSTM	
" "	"	"	"	"	"	3/16/67	P	2	0	75	24	0	37	78	TSTM	

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.

*Archie M. Speir*  
(Signature)

OPERATOR

(Title)

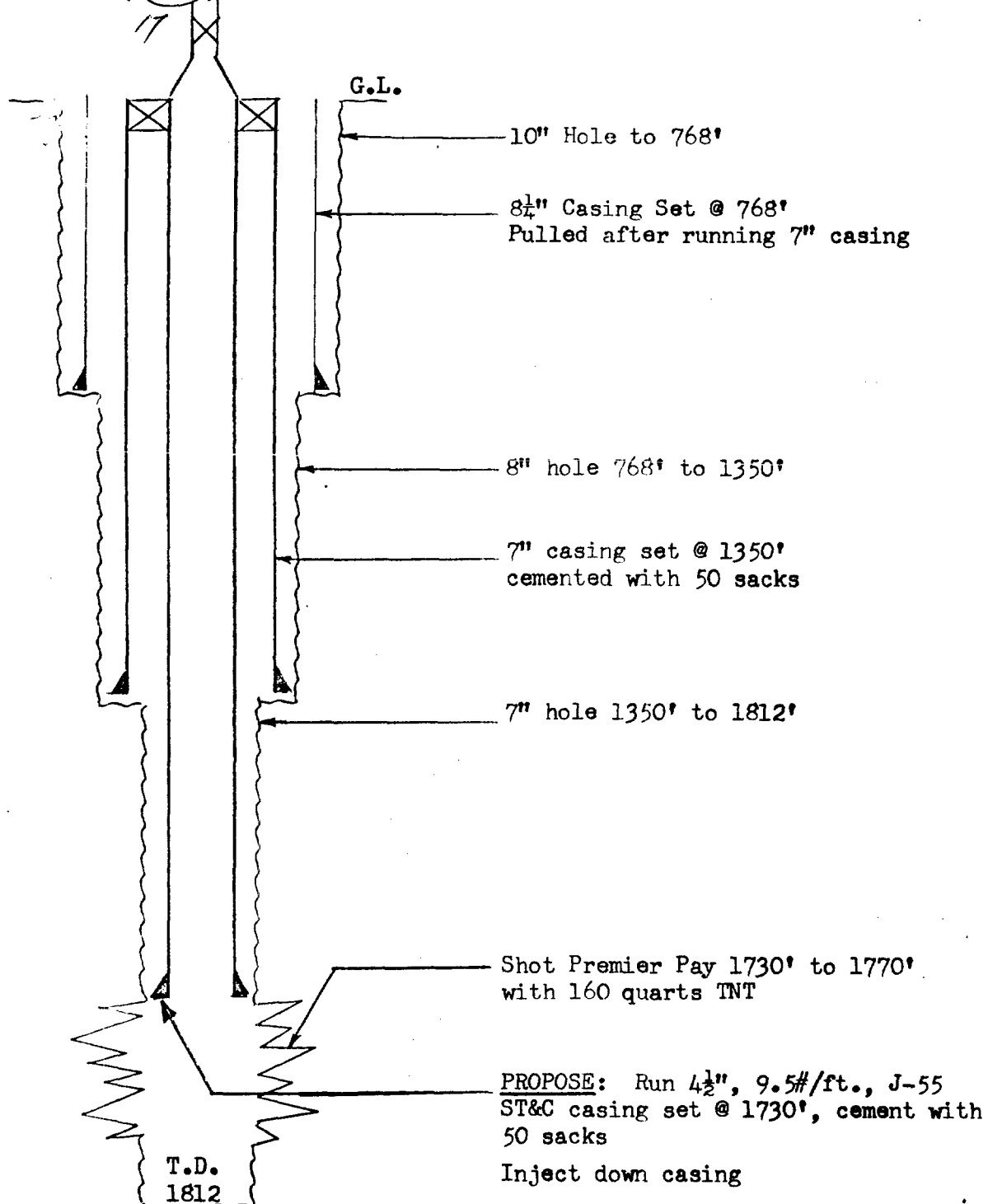
May 9, 1967

(Date)

SOUTH RED LAKE GRAYBURG UNIT  
EDDY COUNTY, NEW MEXICO

PROPOSED INJECTION WELL CASING PROGRAM

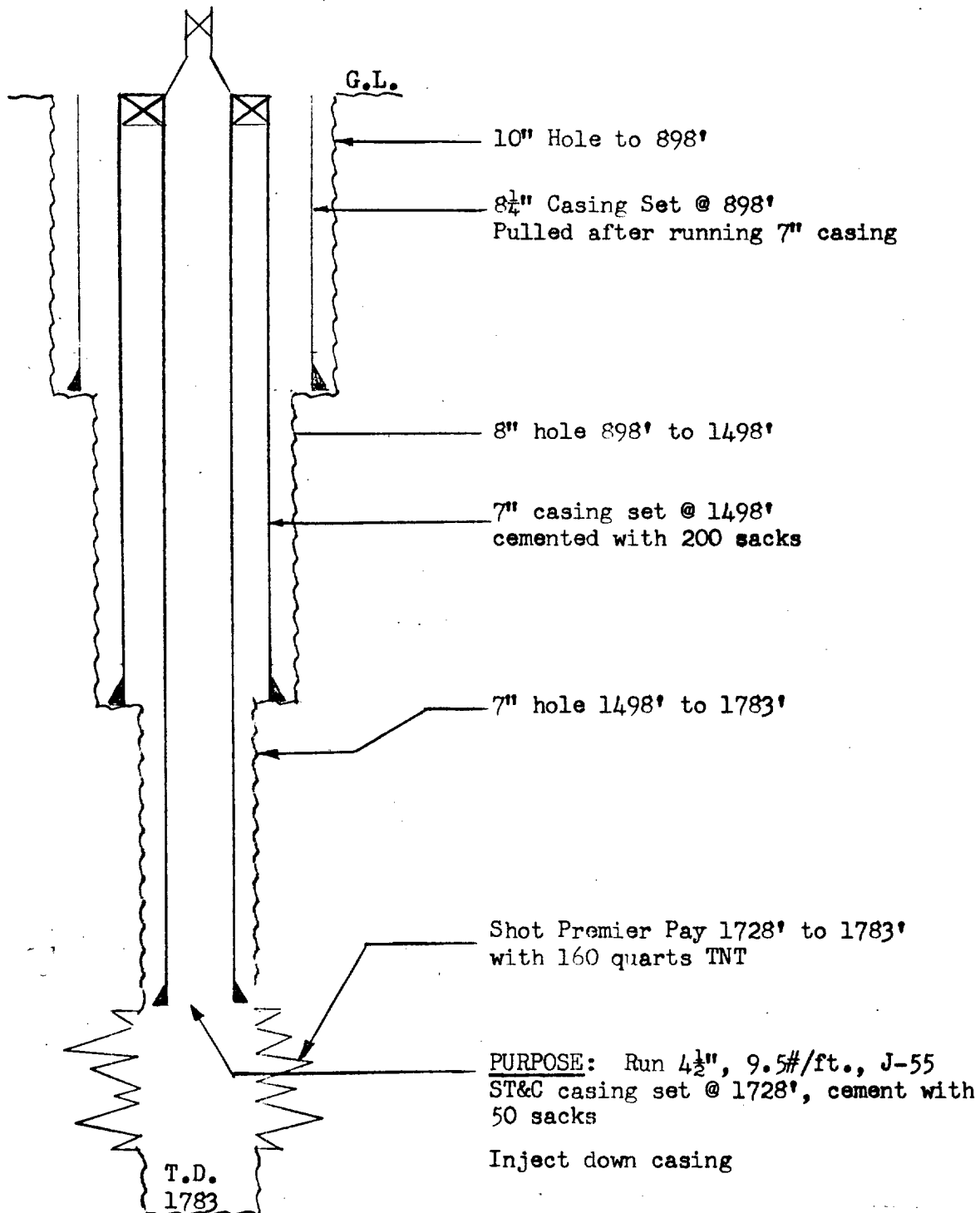
SRLG Unit  
Tract 10 Well 3  
990' FSL & 1650' FWL  
Sec. 36, T16S, R27E



SOUTH RED LAKE GRAYBURG UNIT  
EDDY COUNTY, NEW MEXICO

PROPOSED INJECTION WELL CASING PROGRAM

SRLG Unit  
Tract 23 Well 5  
2310 FNL & 2310 FEL  
Sec. 36, T17S, R27E



MAIL

MAIN OFFICE '67 M

'67 MAY 16 AM 8 16

ARCHIE M. SPEIR

P. O. DRAWER 40

ARTESIA, NEW MEXICO - 88210

May 9, 1967

MAIL OFFICE '67

'67 MAY 10 AM 8 16

SFOCC

17th Jim Kystner

Mr. A. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Post Office Box 2088  
Santa Fe, New Mexico 87501

RECEIVED

MAY 12 1967

O. C. C.  
ARTESIA, OFFICE

Dear Mr. Porter:

Commission Order No. R 2882 approved the South Red Lake Grayburg Unit waterflood project and expanded by order WFX-250.

Administrative approval is requested for expansion of the waterflood project by injection of water into Well No. 3 Tract 10, and change in the injection patten, as originally approved, for injection into Well No. 5 Tract 23. Well No. 2 Tract 23, an original approved injection well will remain as a production well and will be replaced by Well No. 5 Tract 23. This will close out the injection pattern as these wells are on the eastern limits of the reservoir.

For additional evidence for approval the following are enclosed:

- (1) Plat showing the unit area, which are all of the wells in the area producing from the unitized formation.
- (2) Well tests on form C-116 of:
  - (a) Well No. 3 Tract 10
  - (b) Well No. 4 Tract 10
  - (c) Well No. 4 Tract 15
- (3) Schematic diagrams of the present casing and proposed casing in Well No. 3 Tract 10 and Well No. 5 Tract 23.

Injection will be by connection to the present system. Water for the waterflood project is purchased from Double-Eagle Corporation.

State Engineer is notified by receipt of one copy of this application.

Yours very truly,

*Archie M. Speir*  
Archie M. Speir  
UNIT OPERATOR

AMS/tjs

Encl.

cc: Frank Irby  
State Engineer Office  
Santa Fe, New Mexico 87501

Xerox note to Santa Fe 5-15-67  
Can find no objection to this application  
as long as follows requirements of  
H.R. of 4-5-65  
*[Signature]*



STATE OF NEW MEXICO

STATE ENGINEER OFFICE

SANTA FE

S. E. REYNOLDS  
STATE ENGINEER

May 22, 1957

ADDRESS CORRESPONDENCE TO:  
STATE CAPITOL  
SANTA FE, NEW MEXICO 87501

Mr. P. L. Porter, Jr.  
Secretary-Director  
Oil Conservation Commission  
Santa Fe, N. M.

Dear Mr. Porter:

Reference is made to the application of Archie M. Speir which seeks to expand the South Red Lake Grayburg Unit Waterflood Project authorized by commission Order #R-2882. It appears that the conversion of well #3 in Tract 10 and Well #5 in Tract 23 to injection service will be in conformity with the provisions on original order.

FBI/na  
cc-A. M. Speir  
F. H. Hennighausen

Yours truly,

S. E. Reynolds  
State Engineer

By:

*Frank E. Irby*  
Frank E. Irby  
Chief  
Water Rights Div.



R 27 E

R 27 E || R 28 E

