



SKELLY OIL COMPANY

P.O. Box 730, Hobbs, New Mexico
December 7, 1967

Re: Application for Waterflood Expansion
Skelly Unit
Grayburg Jackson Pool
Eddy County, New Mexico

New Mexico Oil Conservation Commission
State Land Office Building
P.O. Box 2088
Santa Fe, New Mexico

Attention: Secretary-Director

Gentlemen:

Skelly Oil Company respectfully requests administrative approval to convert its Skelly Unit Well No. 98, located in Unit "J" of Section 28, T-17-S, R-31-E, Grayburg Jackson Pool, Eddy County, New Mexico, to a water injection well. The Skelly Unit waterflood project was authorized by Order No. R-2900, May 4, 1965 and superseded by Order No. R-3214, April 11, 1967.

The subject waterflood project is governed by the provisions of Rule 701, 702, and 703 of the Commission Rules and Regulations; PROVIDED HOWEVER, that the Secretary-Director of the Commission may approve expansion of the Grayburg-Jackson Skelly Unit waterflood project to include additional wells, within said unit area, on water injection as may be necessary to complete an efficient waterflood pattern.

Skelly Unit No. 98 produced from the Grayburg-San Andres Formation at a depth of 3425' to 3810' until shut-in in 1962 due to excessive water production. Skelly Unit No. 98 has remained in a shut-in status since that time. The well is scheduled to be a water injection well when the waterflood is expanded into Sections 21 and 28, T-17-S, R-31-E. It is proposed to open additional zones, which are productive up-structure, and recomplete the well (for injection of produced water) in the overall interval 3358'-3810' within the Grayburg-San Andres Formation.

There is approximately 110 barrels per day of produced Grayburg-San Andres water being gathered at the tank battery in the NE/4 of Section 28. In an effort to dispose of the produced water it is requested that Well No. 98 be approved for conversion to injection at this time. The initial anticipated volume of 100 to 200 barrels per day will be injected down coated tubing below a packer into the Grayburg-San Andres reservoir between 3358' and 3810'. The water will be transported from the tank battery to the proposed injection well by means of a temporary line. A skid mounted pump will be utilized for injection until the waterflood is fully expanded into Sections 21 and 28 and additional injection facilities are constructed. The maximum anticipated injection pressure will be 1800 psi.

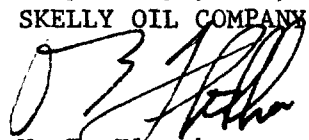
Skelly Unit
New Mexico Oil Conservation Commission
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Attached is a map showing all wells and lessees within a two mile radius of the proposed injection well and the formation from which said wells are producing or have produced. Also attached is a copy of the log section and a diagrammatic sketch of the proposed injection well.

Skelly Oil Company is the only operator offsetting the proposed injection well. The State Engineers Office has been notified by a copy of this application complete with attachments this date.

Very truly yours,
SKELLY OIL COMPANY

A handwritten signature in black ink, appearing to read 'V. E. Fletcher', is written over the typed name.

V. E. Fletcher
District Superintendent

LRH/bh
ATTACHMENTS

Copies to: State Engineers Office
Santa Fe, New Mexico

G. W. Selinger
Skelly Oil Company
Tulsa, Oklahoma

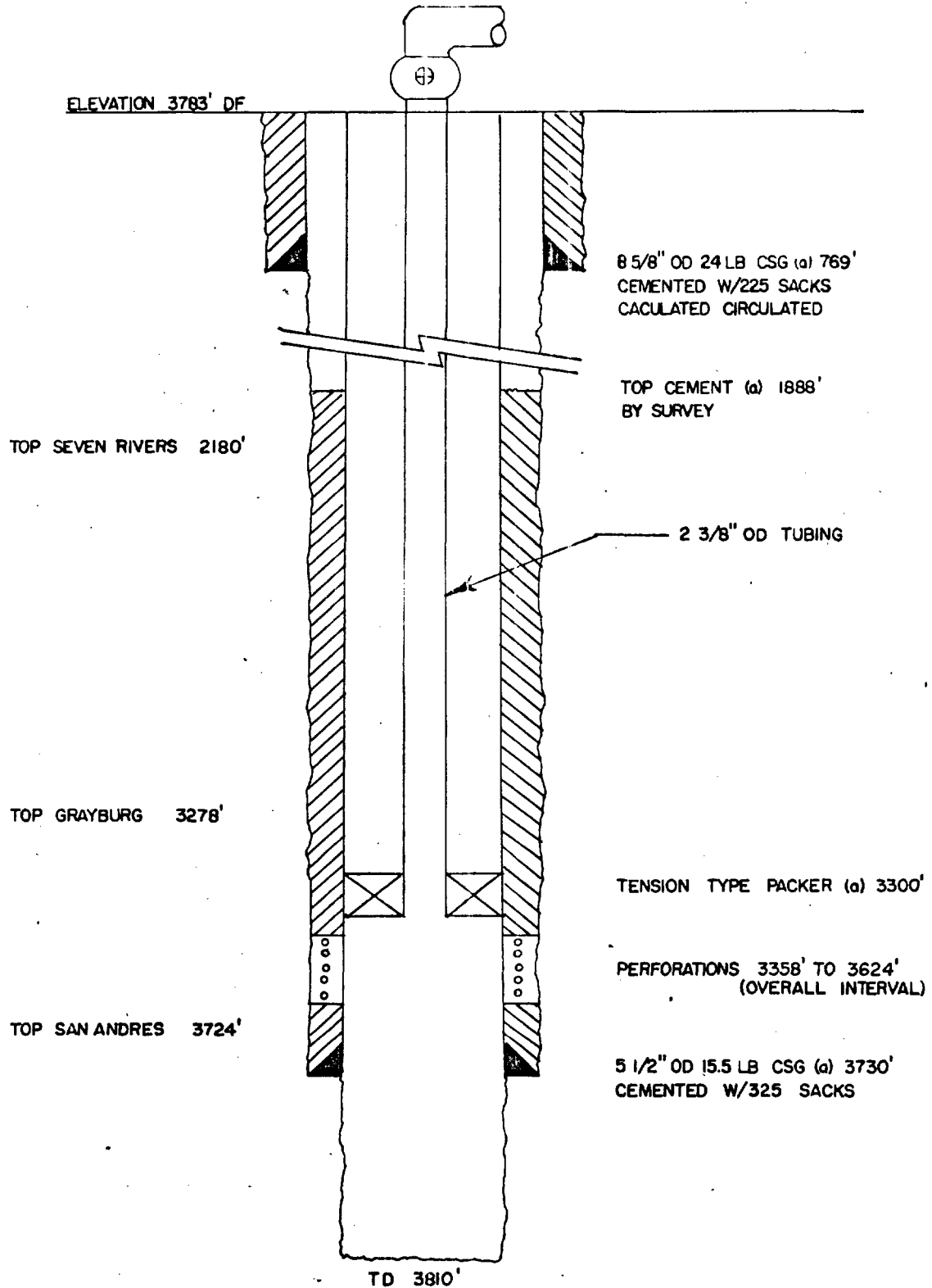
SKELLY OIL COMPANY

SKELLY UNIT No 98

1980' FSL & 1980' FEL

Section 28-T17S-R31E

Eddy County, New Mexico





SKELLY OIL COMPANY

P.O. Box 730, Hobbs, New Mexico

December 7, 1967

Re: Application for Waterflood Expansion
Skelly Unit
Grayburg Jackson Pool
Eddy County, New Mexico

MAIN OFFICE 000

New Mexico Oil Conservation Commission **RECEIVED**
State Land Office Building
P.O. Box 2088
Santa Fe, New Mexico

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MAIN OFFICE 000

Attention: Secretary-Director

D. C. C.
ARTESIA, OFFICE

'67 DEC 8 AM 8 15

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STANDARD PRACTICE LOG

FILING NO. **WD18351**COMPANY **SKELLY OIL COMPANY**WELL ~~DOH "B" #37~~ **SKELLY UNIT No. 98**FIELD **GRAYBURG-JACKSON**COUNTY **EDDY** STATE **NEW MEXICO**

LOCATION:

1980' FSL & 1980' FEL

OTHER SERVICES:

GR-NSEC. **28** TWP. **17-S** RGE. **31-E**

ELEVATIONS:

PERMANENT DATUM **GROUND LEVEL** ELEV. **3781'**KB. **-**LOG MEASURED FROM **DF** **2** FT. ABOVE PERMANENT DATUMDF. **3733'**DRILLING MEASURED FROM **DERRICK FLOOR**GL. **3781'**DATE **4-19-61**RUN NO. **ONE**TYPE LOG **GR-D**DEPTH—DRILLER **3810'**DEPTH—LOGGER **3808'**BOTTOM LOGGED INTERVAL **3807'**TOP LOGGED INTERVAL **2000'**TYPE FLUID IN HOLE **WATER**SALINITY PPM CL. **-**DENSITY LB/GAL. **-**LEVEL **3776'**MAX. REC. TEMP. DEG. F **LESS THAN 100°F**OPR. RIG TIME **4 HOURS**RECORDED BY **EBELING**WITNESSED BY **MR. KING**

RUN		BORE HOLE RECORD				CASING RECORD			
NO.	BIT	FROM	TO	SIZE	WGT.	FROM	TO		
1	11	0	775	8-5/8	-	0	775		
	8	775	3810	-	-	-	-		

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-33

OLD HERE

LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE