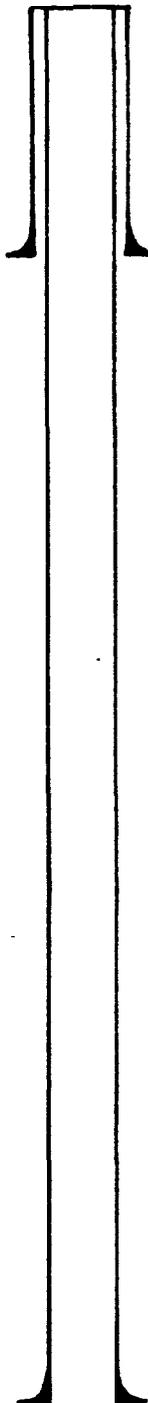


PROPOSED CASING PROGRAM



"A"

150', 8-5/8" OD, J-55, 8Rd casing. To be cemented with sufficient cement to circulate to surface.

"B"

4200' 5½" OD or 4½" OD, J-55, 8Rd casing. To be cemented with sufficient cement to circulate back to a depth above the salt section.

CASING TESTS

Production casing string (B) will be tested at 3000 psi for 30 minutes prior to starting completion operations.

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
MCPQ EXHIBIT No. 13
CASE 1309

CASE No. _____

EXHIBIT "E"

KEWANEE OIL COMPANY

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
W. C. D. Q. EXHIBIT No. *17*
CASE 1369

WELL HISTORY OF PEARL NO. 21

Location: 2615' from South and 1295' from
East lines of Section 25, NE/4,
SE/4, Section 25, 17S, 32E, N.M.
P.M., Lea County, New Mexico.

Elevation: 4002.6'

Top of Lime: 3810'

Drilling Commenced: June 23, 1948

Completion Date: August 28, 1948

Drilled with rotary to 1272' and with cable
tools from 1272' to total depth by Marshall
& Smith Drilling Company.

On July 14, 1948 ran 1265' 7" (thds. off) of
8-5/8" O.D., 24#, J-55, 8 Rd. Thd., National,
new Seamless casing with new Larkin, Texas
Pattern, casing shoe welded on bottom.
Circulated 4 sacks of Aquagel ahead of cement
and cemented with 100 sacks of Trinity Common
cement. Cementing done by Halliburton Oil
Well Cementing Company.

Let well stand for 72 hours for cement to set.

7-17-48 Drilled out plugs and bailed hole dry, and tested
for water shut off for 2 hours. Found water to
be completely shut off. Started drilling ahead.

8- 6-48 Found Red Sand from 3455' to 3500' and got a
show of oil.

Drilling was continued to 3920' and then began
preparations for running 7" O.D. casing.

8-13-48 Ran 3920' (thds. off) of 7" O.D., 23#, J-55,
8 Rd. Thd., National, new Seamless casing
with new Larkin, Fig. #101, Texas Pattern
casing shoe on bottom of bottom joint and new
Larkin, Fig. #401 float collar on top of bottom
joint, both welded on. Circulated 8 sacks of
Aquagel ahead of cement and cemented with 200
sacks of Trinity Common cement. Pumped plug
to 3869' and circulated to surface. Cementing
done by Halliburton Oil Well Cementing Company.

Let well stand for 72 hours for cement to set.

8-17-48 Drilled out plug, bailed hole dry and tested
water shut off for 2 hours. Found water to be
completely shut off. Started drilling ahead.

Well History of Pearl No. 21
Page 2

8-11-48	3780' to 3790' 3790' to 3810' 3810' to 3840'	Anhydrite and Red Shale. Anhydrite and Sand. Gray Lime.
8-12-48	3840' to 3885'	Gray Lime.
8-13-48	3885' to 3910'	Gray Lime.
		Steel Line Measurement corrected to 3920'.
8-13-48 to 8-17-48		Ran and cemented 7" O. D. casing, drilled plugs and tested water shut off.
8-17-48	3920' to 3930'	Light Brown Sandy Lime. Show of oil.
8-18-48	3930' to 3940' 3940' to 3945' 3945' to 3953' 3953' to 3961'	Light Brown Lime. Gray Sandy Lime, Light Tan Stain. Gray Sandy Lime, Light Tan Stain. Blue Lime.
8-19-48	3961' to 3972' 3972' to 3978' 3978' to 3988' 3988' to 3995'	Gray Lime, Little Tan Stain. Gray Lime, Little Tan Stain. White and Gray Lime, Little Tan Stain. White and Gray Lime, Little Tan Stain.
8-20-48	3995' to 4005' 4005' to 4022' 4022' to 4035'	White and Gray Lime, Little Tan Stain. Gray Sandy Lime, Little Tan Stain. Gray and White Lime.
8-21-48	4035' to 4048' 4048' to 4065' 4065' to 4070'	White Lime. Gray and White Lime. White Sandy Lime.
8-22-48	4070' to 4080' 4080' to 4087' 4087' to 4097'	White Lime. White Lime. White Lime.
8-23-48	4097' to 4104' 4104' to 4120' 4120' to 4125'	White Lime. White Sandy Lime, Faint Stain. Dolomite, Light Tan Stain.
8-24-48 to 8-25-48		Shut down while repairing bull wheel and machine.
8-26-48	4125' to 4135'	Dolomite, Very Light Tan Stain.
		Steel Line Measurement correction to 4133'.
	4133' to 4142'	Light Sand.
8-27-48	4142' to 4146' 4146' to 4154'	Light Sand, Very Little Tan Stain. Light Sand, Little Tan Stain.
		Swab Test @ 4152' — 8.05 bbls. in 24 hours.
	4154' to 4165' 4165' to 4182'	Light Sand, show of gas & oil. 400' OIH. Light Sand, more oil show. 800' OIH.

