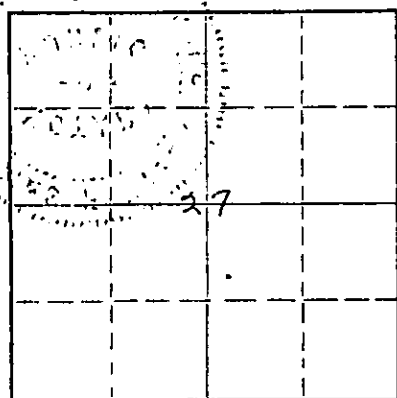


Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
212 No. Market
Wichita, Kansas

WELL PLUGGING RECORD



Locate well correctly on above Section Plat

County. Sec. 27 Twp. 13S Rge. (E)20 (W)
Location as "NE/CNW/SW" or footage from lines SW NW SE
Lease Owner Cities Service Oil Company
Lease Name Giebler A Well No. 1
Office Address Box 553 Russell Kansas
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed 6-14 19 54
Application for plugging filed 3-19 19 69
Application for plugging approved 3-20 19 69
Plugging commenced 3-24 19 69
Plugging completed 3-25 19 69
Reason for abandonment of well or producing formation Non Profitable

If a producing well is abandoned, date of last production 1-1 19 69
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. Leo Massey Hays, Kansas
Producing formation Lansing-Kansas City Depth to top 3698 Bottom 3700 Total Depth of Well 3910 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

| FORMATION | CONTENT | FROM | TO | SIZE | PUT IN | PULLED OUT |
|-----------|---------|------|----|--------|--------|------------|
| | | | | 8 5/8" | 213' | None |
| | | | | 5 1/2" | 3910' | None |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

RECEIVED
STATE CORPORATION COMMISSION
MAR 27 1969
CONSERVATION DIVISION
Wichita, Kansas

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

Ran Dialog freepoint and string shot in 2" tubing to 3616' - tbg. free at 3616'
Backed off tubing at 3584' - left 1 jt. and packer in hole. Displaced 35 sx. 50/50
Pozmix cement down tbg. at 3556-3140'. Pulled tubing to 1500'. Circulated
Gel. to surface - used 20 sx. Spotted 15 sx. cement 1500-1320'. Pulled tubing
to 720'. Spotted 15 sx. cement 720-540'. Pulled tbg. to 210'. Spotted 35 sx.
cement 210' to surface. Cut off 8 5/8" casing and 5 1/2" casing and capped.
Pumped 70 sx. cement down annulus of 8 5/8" and 5 1/2". Completed plugging 6:30 P.M.
3-25-69

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor Halliburton Co.
Address Hays, Kansas

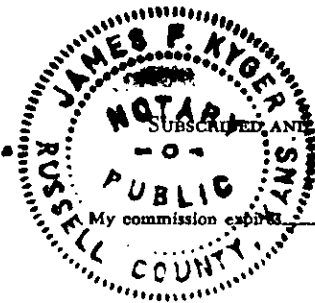
STATE OF Kansas, COUNTY OF Russell, ss.
M. M. Hardin (employee of owner) or (~~owner or operator~~) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) M M Hardin Dist. Supt.
Box 553 Russell, Kansas 67665
(Address)

SUBSCRIBED AND SWORN to before me this 26th day of March, 19 69

October 5, 1972

James F. Kyger
James F. Kyger Notary Public.



CITIES SERVICE OIL Co.
 IMPERIAL OIL KANSAS, INC.
 Well Completion Report

Giehler Lease. Well No. "C" 1
 Loc. S4 NW SE Sec. 27 Twp. 13 Rge. 20W
 County Ellis State Kansas
 Pool N. W. Pleasant

Spud Date 5-19-54
 Rotary Completed 6-1-54
 Completion Date 6-11-54
 Potential 425 BOPD
 Gravity 35.9
 R. T. D. 3910

Surface casing set at (8 5/8) 213 with 150 sacks
 Production casing set at (5 1/2) 3910 with 125 Sacks

Formation Tops: Elevation: 2220 KB

| Formation | Sample | Electric Log | Produced To |
|-------------------|--------------|--------------|------------------|
| Anhydrite | 1517 (/703) | Yes | Jan. 1957 22,842 |
| Heebner | 3454 (-1234) | | Jan. 1958 |
| Lansing KC | 3493 (-1273) | | Jan. 1959 |
| Base Lansing KC | 3746 (-1526) | | Jan. 1960 |
| Marmaton Chert | 3791 (-1571) | | Jan. 1961 |
| Arbuckle Dolomite | 3818 (-1598) | | Jan. 1962 |
| | | | Jan. 1963 |
| | | | Jan. 1964 |
| | | | Jan. 1965 |
| | | | Jan. 1966 |
| | | | Jan. 1967 |

PRODUCING AND PROSPECTIVE PRODUCING ZONES

| Formation | Depth | Feet | Remarks | Estimated Reserves |
|-------------|-------------------|------|---------|--------------------|
| Lansing | | | | |
| 180' Z | 3675-82 | 7 | | |
| Arbuckle P. | 3824-30 | | Open | |
| | 3835-38 | | Open | |
| | 3845 1/2 - 46 1/2 | | Open | 47.560 |

RECEIVED
 STATE CORPORATION COMMISSION
 MAY 7 1969
 CONSERVATION DIVISION
 Wichita, Kansas

Completion Date: 6-4-54
 Moved unit in and rigged up. Swabbed down to staging collar.
 6-5-54
 Drilled staging collar and swabbed hole dry.
 6-6-54
 Ran electric log. Perf. 6 holes from 3845 1/2 - 46 1/2 using A2 bullets by Lane-Wells. Hole filled 1000' in 1 hr. 3 hr. swab test showed 17 1/2 BOPH 800' off bottom.
 6-7-54
 Checked 16 hr. fillup and had 2900' of fluid, 2600' oil and 300' water. Perf. 19 holes from 3835-38 using A2 bullets by Lane-Wells.
 6-8-54
 Ran tubing with Baker packer set at 3842. Treated well with 500 gal. J-type acid 15% by Chemical Process, using 200 gal. Form Jel pumped into zone from 3845 1/2 - 46 1/2. Highest pressure used, 900#. Highest pressure on Form Jel 1000#

6-8-54 con't
 Pressure drop in 1 min. 400#, in 5 min. 700#. Pulled tubing, left 15 joints tubing / packer in hole.
 6-9-54
 Ran tubing and fished out 15 stands of tubing / packer. Strung up tools and swabbed to 1500' off bottom.
 6-10-54
 8 hr. swab test 800' off bottom, 20 BOPH with show of water.
 6-11-54
 ARB
 Perf. 36 holes from 3824-30 using A2 bullets by Lane-Wells. Ran tubing with Baker packer using 400 gal. Form Jel under packer. Treated zone from 3824-30 with 1100 gal. J-type 15% acid by Chemical Process. Highest pressure on Form Jel 1300#. Highest pressure on zone 1000#. Pressure drop in 1 min. 150#, 5 min. 300#. Pulled tubing.

CITIES SERVICE OIL Co,
IMPERIAL OIL KANSAS, INC.
Well Completion Report

Giebler Lease. Well No. "0" 1 County Ellis State Kansas
Loc. SW NW SE Sec. 27 Twp. 13S Rge. 20W Pool N. W. Pleasant

6-12-54

Strung up tools. Swabbed total of 210 BF, 5% water. 4 hr. swab test 1000' off bottom 21 1/2 BOPH

6-14-54

Ran tubing and rods. Tore unit down; moved out.

DAKOTA BREAK-IN

7-23-62: Pulled tubing and rods. Running tubing with Halliburton packer and retri. plug to squeeze Dakota.

7-24-62: Set Halliburton retri. plug at 2228; found hole at 800; set packer at 768. Squeezed with 200 sax HA-5 cement. Displaced 170 sax at a standing pressure of 1750#. Reversed out remaining cement to hole, unable to reverse cement below hole. Pulled tubing with packer; WOC. Ran tubing with bit to circulate and drill out remaining cement.

7-25-62: Drilled out remaining cement. Pulled retri. plug and tubing. Running tubing and rods to place well on pump.

RECEIVED
STATE CORPORATION COMMISSION
MAY 7 1969
CONSERVATION DIVISION
Wichita, Kansas

CITIES SERVICE OIL Co.

Giebler C-1
SW NW SE Sec. 27-13S-20W

Ellis County, Kansas
N. W. Pleasant Pool

DAKOTA BREAK-IN

7/23/62: Pulled tubing and rods. Running tubing w/Halliburton packer and retr. plug to squeeze Dakota.

7/24/62: Set Halliburton retr. plug at 2228; found hole at 800'; set packer at 768'. Squeezed w/200 sacks HA-5 cement. Displaced 170 sacks at a standing pressure of 1750#. Reversed out remaining cement to hole, unable to reverse cement below hole. Pulled tubing w/packer; WOC. Ran tubing with bit to circulate and drill out remaining cement.

7/25/62: Drilled out remaining cement. Pulled retr. plug and tubing. Running tubing and rods to place well on pump.

3-31-64: Moved in Shirk Well Servicing Unit; rigged up.

4-1-64: Set Lane-Wells cast iron plug @ 3740'; ^{UCC K} perf. 200' zone 3698-3700', 4 SPF; ran tubing with packer.

4-2-64: Treated with 500 gals. Reg.; MP 500#; input rate 1.5 BPM; pressure broke back to 200# thruout treatment; to zero in 1 min. SBL thru tubing; 4 hr. test, swabbed 15 BWPH. Checked fluid; had 200' oil in hole above wtr.

4-4-64: Packer appeared to be leaking; SHD; 4 hr. test, swabbed 32 GOPH. Retreated well with 1500 gals. Gel-W; MP 700#; pressure broke back to 500# thruout treatment; input rate .8 BPM; PD to zero in 2 mins. Shut well in overnite; WOA. SB total load, 4 hr. test, swabbed 7-1/2 BOPH, trace wtr. Pulled tubing; removed packer; ran tubing & rods; POP to produce from 200' zone.

DAKOTA BREAK-IN:

4/13/64: Moved in Shirk Well Servicing Unit; pulled rods & tubing; re-ran tubing with Baker Model "G" packer set above 200' zone. Ran rods; POP. Pumped well 48 hrs. - 90 BOPD, trace water, not pounding fluid.

PRODUCES UCC - K

RECEIVED
STATE CONSERVATION COMMISSION
MAY 7 1969
CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
STATE CORPORATION COMMISSION
MAY 7 1969
CONSERVATION DIVISION
Wichita, Kansas

CITIES SERVICE OIL Co.

GEOLOGICAL REPORT

SW NW SW Section 27-13S-20W

Ellis County, Kansas

NO. 1 GIEBLER "C"

RECEIVED
 STATE CORPORATION COMMISSION
 MAY 7 1969
 CONSERVATION DIVISION
 Wichita, Kansas

GEOLOGIST'S REPORT

Company: Imperial Drilling Company, Inc. SW NW SW Sec. 27-13S-20W
 Farm: No. 1 Giebler "C" Ellis County, Kansas
 Contractor: Imperial Drilling Company, Inc. Elevation: 2220' K.B.
 Pool: N.W. Pleasant Pool Rotary Total Depth: 3910'

Geological Data:

Samples were examined on location by writer from 3200' to Rotary Total Depth.

Formation Tops:

| | | |
|--------------------------|-------|-----------|
| Anhydrite | 1517' | (/ 703) |
| Heebner | 3454' | (-1234) |
| Lansing-Kansas City | 3493' | (-1273) |
| Base Lansing-Kansas City | 3746' | (-1526) |
| Marmaton Chert | 3791' | (-1571) |
| Arbuckle Dolomite | 3818' | (-1598) |
| Rotary Total Depth | 3910' | (-1690) |

Top Lansing K. C. 3493' (-1273) Porosity and shows of oil.

3528-29 & 33-36 White dense fossiliferous and semi-oolitic lime. Trace stain, residue of dead oil. Light odor, no free oil.

3576-85 White semi-oolitic lime, inter-oolitic to light vugular porosity, light stains. No free oil, no odor.

3610-14 White, fine crystalline cherty lime, poor porosity. No shows.

*Part
D.D.S.*

3674-80 White oolitic lime, trace of oolitic porosity, scattered light stains. Trace of free oil, no odor. Considerable barren porosity.

3718-23 Tan fine to medium crystalline lime, inter-crystalline porosity. Trace pin-point to vugular porosity. Trace stains, no free oil, no odor.

Marmaton Chert 3791' (-1571)

3803-10 Tan and orange fresh chert and tan dolomitic lime. Trace of free oil, fair to good odor.

Top Arbuckle Dolomite 3818' (-1598) Porosity and shows of oil.

Page 2
Geological Report
No. 1 Giebler "C"

RECEIVED
STATE CORPORATION COMMISSION
MAY 7 1969
CONSERVATION DIVISION
Wichita, Kansas

- 3818-20 Tan to grey, medium to coarse crystalline dolomite, fair inter-crystalline and light vugular porosity. Free oil, light odor.
- Core #1 3820-70
- 3820-22 Light grey, fine to medium crystalline tight dolomite, trace of fractures. Trace of bleeding oil.
- 3822-40 $\frac{1}{2}$ Tan to grey coarse crystalline, highly fractured dolomite. Good inter-crystalline and large vugular porosity, bleeding oil very rapidly. Several areas from 3-6 inches thick was not bleeding oil, but had connecting porosity with free oil in the core.
- 3840 $\frac{1}{2}$ -42 Good, coarse crystalline vugular porosity, trace fractures. Bleeding free oil, well saturated.
- 3842-43 $\frac{1}{2}$ Tight, coarse crystalline dolomite, trace vugs, fair fractured porosity. Bleeding oil.
- 3843 $\frac{1}{2}$ -45 Very good coarse crystalline dolomite, large numerous vugs, trace fractured porosity. Very good saturation and bleeding oil.
- 3846 $\frac{1}{2}$ -48 Very good coarse crystalline dolomite, large numerous vugs, trace fractured porosity. Very good saturation and bleeding oil.
- 3848-50-3/4 Light tan grey fine crystalline, dense flaky dolomite, one long fracture from 3849-50.
- 3850-3/4-51 $\frac{1}{4}$ Fair vugular porosity in tan medium crystalline dolomite, spotted saturation.
- 3851 $\frac{1}{4}$ -54 Light grey medium crystalline dolomite, trace of large vugs, mostly barren. Few spots of free oil.
- 3854-55 Tan light grey coarse crystalline dolomite, very good vugular porosity. Show of bleeding oil.
- 3855-57 Grey coarse crystalline dolomite, good vugular porosity. No shows.

RECEIVED
STATE CORPORATION COMMISSION
MAY 7 1969
CONSERVATION DIVISION
Wichita, Kansas

Page 3
Geological Report
No. 1 Giebler "C"

3857-58 Grey coarse crystalline dolomite, good vugular porosity.
Show of free oil.

Core #2 3870-3906

3858-80 Tan grey fine to medium crystalline dolomite, excellent vugular porosity, very little fracturing. Spotted free oil bleeding from core - scattered, but good saturation.

3880-97 White to light grey medium grained clear sand, slightly angular, well sorted sand, slight dolomitic matrix, excellent porosity. Good show of heavy free oil bleeding from core, good saturation, becoming more dolomitic from 3893-97.

3897-3906 Light grey medium to coarse crystalline dolomite, good vugular and fractured porosity. Heavy black oil saturation in best porosity. Last foot was dense medium crystalline dolomite. No show.

D.S.T. #1 3822-47 Open 1 hour. Recovered 470' gas and 1750' oil, 150' oil and mud cut black water. I.F.P. 150# F.F.P. 675# B.H.P. 960# in 15 minutes.

D.S.T. #2 3849-70 Open 30 minutes. Recovered 975' of salt water. I.F.P. 180# F.F.P. 450# B.H.P. 990# in 20 minutes.

D.S.T. #3 3898-3906 Open 1 hour. Recovered 582' salt water. I.F.P. 45# F.F.P. 125# B.H.P. 1020# in 15 minutes.

5½" Casing cemented on bottom at 3910'.

IMPERIAL DRILLING COMPANY, INC.

By: Orlin R. Phelps
Orlin R. Phelps, Geologist

mef

CITIES SERVICE OIL COMPANY

- NEW OWNER -

DRILLING TIME LOG
 No. 1 Giebler "C"
 SW NW SW Sec. 27-13S-20W
 Ellis County, Kansas

| Depth | Minutes | Remarks |
|---------------------|------------------------------|---------------------|
| <u>1' Intervals</u> | | |
| ***** | | |
| 3151 | 6 7 4 5 4 5 3 4 4 | |
| 60 | 5 6 4 4 3 4 3 4 4 5 | |
| 70 | 5 4 6 5 6 2 2 3 3 4 | |
| 80 | 3 3 3 3 4 3 4 4 4 4 | |
| 90 | 4 5 5 4 4 5 4 3 3 4 | |
| 3200 | 5 5 7 6 5 5 6 6 6 6 | |
| 10 | 6 6 6 6 7 6 5 4 4 3 | |
| 20 | 5 6 10 5 6 6 6 6 6 6 | |
| 30 | 7 6 6 6 7 7 5 3 3 4 | |
| 40 | 4 5 5 6 6 4 3 2 2 2 | |
| 50 | 2 1 1 1 1 3 5 5 5 4 | |
| 60 | 4 5 5 6 6 4 4 4 4 5 | |
| 70 | 5 5 6 5 5 4 5 6 6 6 | |
| 80 | 7 5 5 5 5 4 4 5 5 6 | |
| 90 | 7 4 6 6 8 7 7 10 9 10 | |
| 3250 | | Circ. 1 hr. 56 min. |
| 3300 | 9 11 9 7 8 6 4 7 5 5 | |
| 10 | 3 4 3 2 3 3 3 3 5 5 | |
| 20 | 4 4 5 6 6 6 7 6 7 8 | |
| 30 | 7 9 7 7 8 8 8 7 8 8 | |
| 40 | 10 10 10 10 10 9 7 6 5 8 10 | |
| 50 | 8 7 6 5 5 8 7 8 7 8 | |
| 60 | 8 9 9 9 8 10 10 7 5 6 | |
| 70 | 6 6 7 8 10 10 12 11 12 12 | |
| 80 | 8 5 10 12 12 11 9 12 9 5 | |
| 90 | 5 4 6 7 7 9 8 8 9 9 | |
| 3352 | | Trip |
| 3400 | 12 8 7 4 8 7 8 8 7 8 | |
| 10 | 9 7 6 5 3 3 3 5 5 5 | |
| 20 | 5 3 2 2 3 3 5 6 9 10 | |
| 30 | 10 10 9 8 8 10 10 12 11 12 | |
| 40 | 10 10 9 9 10 10 11 11 10 10 | |
| 50 | 10 11 11 8 11 6 3 3 10 12 | |
| 60 | 19 18 14 6 6 8 7 9 7 8 | |
| 70 | 10 7 7 6 6 6 13 16 14 16 | |
| 80 | 14 11 10 10 13 14 12 14 10 7 | |
| 90 | 6 6 7 6 9 11 7 10 7 11 | |

RECEIVED
 STATE CORPORATION COMMISSION
 MAY 7 1969
 CONSERVATION DIVISION
 Wichita, Kansas

Drilling Time Log

Depth Minutes Remarks

1' Intervals

3500 8 7 8 8 8 7 7 7 7 10
 10 10 9 8 8 8 9 9 9 8 9
 20 6 7 5 6 7 6 6 6 9 6
 30 5 6 8 8 5 4 5 8 9 7
 40 9 6 7 7 5 7 8 10 9 8
 50 8 9 6 5 7 7 7 6 5 5
 60 6 6 6 6 7 6 4 6 6 6
 70 6 5 5 7 8 5 5 4 4 4
 80 4 2 2 3 3 5 9 10 10 10
 90 10 8 9 7 3 9 12 12 11 10

3500 Trip

RECEIVED
 STATE CORPORATION COMMISSION
 MAY 7 1969
 CONSERVATION DIVISION
 Wichita, Kansas

3600 11 12 12 12 12 12 11 10 10 10
 10 10 9 5 6 7 10 10 10 12 11
 20 13 10 10 12 12 8 6 6 6 6
 30 8 8 8 9 11 14 12 11 10 10
 40 15 15 14 15 16 13 11 14 13 7
 50 7 7 7 10 9 7 7 8 10 14
 60 15 12 11 14 11 12 13 15 15 15
 70 8 6 6 6 9 6 6 7 3 3
 80 2 7 8 9 6 6 6 8 10 10
 90 10 10 8 5 5 5 7 8 7 4

3670 Fishing
 3682 Circ.

3700 6 8 8 8 9 9 8 9 8 8
 10 9 8 10 10 8 10 10 9 10 7
 20 8 5 7 6 9 9 9 9 9
 30 9 10 10 10 9 9 10 10 10 10
 40 10 9 11 11 11 10 11 8 7 7
 50 7 7 7 7 8 9 7 8 7 7
 60 8 10 10 9 9 10 10 10 11 7
 70 6 6 7 7 8 8 7 10 11 10
 80 10 7 8 8 8 8 8 7 8 8
 90 8 8 10 10 10 10 10 10 9 10

3800 10 10 10 10 8 7 7 7 10 8
 10 10 13 11 10 13 13 14 15 14 10
 20 11 17 11 15 13 12 15 13 14 14
 30 11 19 14 16 16 16 19 18 19 20
 40 20 15 14 19 23 24 21 24 21 19
 50 19 17 16 19 24 21 22 23 19 19
 60 19 18 16 15 14 14 9 14 16 13
 70 16 13 10 11 11 11 12 10 14 13
 80 17 14 22 22 22 25 21 30 32 30
 90 21 24 18 22 16 23 19 16 14 16

3820-70 Core #1

3871-3906 Core #2

3900 8 8 16 8 22 20 43 5 5 5 5

3907-10 Drilled 4' of new hole
 after core hole was reamed.
 3910 Rotary Total Depth.

RECEIVED
STATE CORPORATION COMMISSION
MAR 20 1969
CONSERVATION DIVISION
Wichita, Kansas

GEOLOGIST'S REPORT

Company: Imperial Drilling Company, Inc.
Farm: No. 1 Giebler "C"
Contractor: Imperial Drilling Company, Inc.
Pool: N.W. Pleasant Pool

SW NW SE Sec. 27-13S-20W
Ellis County, Kansas
Elevation: 2220' K.B.
Rotary Total Depth: 3910'

Geological Data:

Samples were examined on location by writer from 3200' to
Rotary Total Depth.

Formation Tops:

| | | |
|--------------------------|-------|-----------|
| Anhydrite | 1517' | { / 703 } |
| Heebner | 3454' | { -1234 } |
| Lansing-Kansas City | 3493' | { -1273 } |
| Base Lansing-Kansas City | 3746' | { -1526 } |
| Marmaton Chert | 3791' | { -1571 } |
| Arbuckle Dolomite | 3818' | { -1598 } |
| Rotary Total Depth | 3910' | { -1690 } |

Top Lansing K. C. 3493' (-1273) Porosity and shows of oil.

3528-29 & 33-36 White dense fossiliferous and semi-oolitic
lime. Trace stain, residue of dead oil. Light odor, no
free oil.

3576-85 White semi-oolitic lime, inter-oolitic to light vugular
porosity, light stains. No free oil, no odor,

3610-14 White, fine crystalline cherty lime, poor porosity. No
shows.

Part D.D.S. → 3674-80 White oolitic lime, trace of oolitic porosity, scattered
light stains. Trace of free oil, no odor. Considerable
barren porosity.

3718-23 Tan fine to medium crystalline lime, inter-crystalline
porosity. Trace pin-point to vugular porosity. Trace
stains, no free oil, no odor.

Marmaton Chert 3791' (-1571)

3803-10 Tan and orange fresh chert and tan dolomitic lime. Trace
of free oil, fair to good odor.

Top Arbuckle Dolomite 3818' (-1598) Porosity and shows of oil.

RECEIVED
STATE CORPORATION COMMISSION
MAR 20 1969
CONSERVATION DIVISION
Wichita, Kansas

Page 2
Geological Report
No. 1 Giebler "C"

3818-20 Tan to grey, medium to coarse crystalline dolomite, fair inter-crystalline and light vugular porosity. Free oil, light odor.

Core #1 3820-70

3820-22 Light grey, fine to medium crystalline tight dolomite, trace of fractures. Trace of bleeding oil.

3822-40 $\frac{1}{2}$ Tan to grey coarse crystalline, highly fractured dolomite. Good inter-crystalline and large vugular porosity, bleeding oil very rapidly. Several areas from 3-6 inches thick was not bleeding oil, but had connecting porosity with free oil in the core.

3840 $\frac{1}{2}$ -42 Good, coarse crystalline vugular porosity, trace fractures. Bleeding free oil, well saturated.

3842-43 $\frac{1}{2}$ Tight, coarse crystalline dolomite, trace vugs, fair fractured porosity. Bleeding oil.

3843 $\frac{1}{2}$ -45 Very good coarse crystalline dolomite, large numerous vugs, trace fractured porosity. Very good saturation and bleeding oil.

3846 $\frac{1}{2}$ -48 Very good coarse crystalline dolomite, large numerous vugs, trace fractured porosity. Very good saturation and bleeding oil.

3848-50-3/4 Light tan grey fine crystalline, dense flaky dolomite, one long fracture from 3849-50.

3850-3/4-51 $\frac{1}{4}$ Fair vugular porosity in tan medium crystalline dolomite, spotted saturation.

3851 $\frac{1}{4}$ -54 Light grey medium crystalline dolomite, trace of large vugs, mostly barren. Few spots of free oil.

3854-55 Tan light grey coarse crystalline dolomite, very good vugular porosity. Show of bleeding oil.

3855-57 Grey coarse crystalline dolomite, good vugular porosity. No shows.

RECEIVED
STATE CORPORATION COMMISSION
MAR 20 1969
CONSERVATION DIVISION
Wichita, Kansas

Page 3
Geological Report
No. 1 Giebler "C"

3857-58 Grey coarse crystalline dolomite, good vugular porosity.
Show of free oil.

Core #2 3870-3906

3858-80 Tan grey fine to medium crystalline dolomite, excellent vugular porosity, very little fracturing. Spotted free oil bleeding from core - scattered, but good saturation.

3880-97 White to light grey medium grained clear sand, slightly angular, well sorted sand, slight dolomitic matrix, excellent porosity. Good show of heavy free oil bleeding from core, good saturation, becoming more dolomitic from 3893-97.

3897-3906 Light grey medium to coarse crystalline dolomite, good vugular and fractured porosity. Heavy black oil saturation in best porosity. Last foot was dense medium crystalline dolomite. No show.

D.S.T. #1 3822-47 Open 1 hour. Recovered 470' gas and 1750' oil, 150' oil and mud cut black water. I.F.P. 150# F.F.P. 675# B.H.P. 960# in 15 minutes.

D.S.T. #2 3849-70 Open 30 minutes. Recovered 975' of salt water. I.F.P. 180# F.F.P. 450# B.H.P. 990# in 20 minutes.

D.S.T. #3 3898-3906 Open 1 hour. Recovered 582' salt water. I.F.P. 45# F.F.P. 125# B.H.P. 1020# in 15 minutes.

5½" Casing cemented on bottom at 3910'.

IMPERIAL DRILLING COMPANY, INC.

By: Orlin R. Phelps
Orlin R. Phelps, Geologist

mef