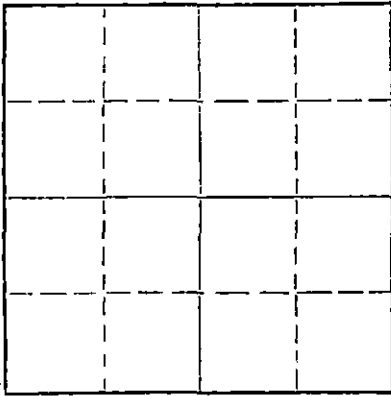


Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
211 No. Broadway
Wichita, Kansas

WELL PLUGGING RECORD

NORTH



Locate well correctly on above
Section Plat

Edwards County. Sec. 27 Twp. 24 Rge. 17 (E) (W) x
Location as "NE/CNW/SW" or footage from lines C NE SW
Lease Owner: Imperial Oil of Kansas, Inc.
Lease Name: Wendel Well No. #1
Office Address: 2318 Washington, Great Bend, Kansas
Character of Well (completed as Oil, Gas or Dry Hole) _____
Date well completed _____ 19____
Application for plugging filed 4-7-65 _____ 19____
Application for plugging approved 4-11-65 _____ 19____
Plugging commenced _____ 19____
Plugging completed _____ 19____
Reason for abandonment of well or producing formation _____

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

Name of Conservation Agent who supervised plugging of this well Archie Elving
Producing formation _____ Depth to top _____ Bottom _____ Total Depth of Well 4547' 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

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.

Made plug back with sand to 4375', mixed and ran 5 sacks cement thru dump bailer. Mudded hole to 310', set 10' rock bridge. Mixed and ran 1 sacks calseal thru dump bailer. Mixed and ran 5 sacks cement thru dump bailer. Mixed and ran 20 sacks cement thru dump bailer. Mudded hole to 40', set 10' rock bridge. Mixed and dumped 10 sacks cement to base of cellar.

RECEIVED
STATE CORPORATION COMMISSION

APR 16 1965

4-16-65
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor: Southwest Casing Pulling Co., Inc.
Address: Box 364, Great Bend, Kansas

STATE OF Kansas, COUNTY OF Barton, ss.
Southwest Casing Pulling Co., Inc. (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) W. C. Spencer Sec
Box 364, Great Bend, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 15 day of April, 1965

My commission expires 24 October 1968

Sidney D. Miller
Notary Public.

Imperial Oil Company
780 Fourth National Building
Wichita, Kansas

Wendel No. 1
NE SE Sec. 27-24S-17W
Edwards County, Kansas

Total Depth: 4547 ft.

Elevation: 2118 K.B.

Commenced: 2-22-65

Completed: 3-10-65

Contractor: Imperial Oil of Kansas, Inc.
Rig #2

Casing Record: Set 314' of 8 5/8" surface pipe w/250 sacks cement.
Set 5 1/2" casing at 4546' w/150 sacks No. 1 Posmix,
with salt added.

Figures indicate bottom of formations:

160'	Sand		
314'	Shale		
1151'	Shale-shells		
1163'	Anhydrite		
1650'	Shale-shells		
2040'	Shale-red bed		
2410'	Lime-shale		
2505'	Lime		
2780'	Shale-lime		
3646'	Lime-shale		
3650'	Shale		
3755'	Lime-shale		
3825'	Lime		
3975'	Lime-shale		
4103'	Lime		
4169'	Lime-shale		
4395'	Lime		
4400'	Sand		
4430'	Chert-lime		
4435'	Lime		
4474'	Lime-chert		
4503'	Sand-chert		
4547'	Lime		
4547'	R.T.D.		

TOPS:

Heebner	3784 (-1666)
Douglas	3819 (-1701)
Brown Lime	3908 (-1790)
Lansing Lime	3918 (-1800)
Base Kansas City	4220 (-2102)
Marmaton	4240 (-2122)
Conglomerate Sand #1 or Cherokee Sand	4382 (-2264)
Conglomerate Sand #2	4412 (-2294)
Erosional Mississippi	4422 (-2304)
Kinderhook Junk Zone	4459 (-2341)
Viola Dolomite	4545 (-2420)
R.T.D.	4547

Note: All tops corrected to Schlumberger log which indicates all tops, zones, and other measurements to be 3'-4' up the hole from drillers measurements.

RECEIVED
STATE CORPORATION COMMISSION

We hereby certify this to be a correct and accurate log of the above described well, as shown on the daily drilling reports.

IMPERIAL OIL COMPANY

APR 23 1965
4-23-65
CONSERVATION DIVISION
Wichita, Kansas

By William A. Sladek
William A. Sladek

Subscribed and sworn to before me this 21st day of April, 1965.

My commission expires:
February 28, 1968

Kathryn M. Boxberger
Kathryn M. Boxberger, Notary Public

DON D. STRONG PETROLEUM GEOLOGIST

4618 E. KELLÖGG

WICHITA 18, KANSAS

PHONE MU 5-7255

GEOLOGICAL REPORT

IMPERIAL OIL OF KANSAS, INC.
 No. 1 WENDEL, NE SW
 SEC. 27-24S-17W
 EDWARDS COUNTY, KANSAS

Contractor:	Imperial Oil of Kansas Inc., Co. Rig
Rotary Completed:	March 10, 1965
Elevation:	2118 Kelly Bushing
Electric Log Survey:	Schlumberger - Neutron, Gamma, Laterlog, Sonic
R.T.D.	4547'

Samples were caught and examined from 3600 to R.T.D. of 4547'. There were no oil shows in the Topeka, Douglas, Lansing or Marmaton section. A few of the more porous zones encountered in the samples and any zone showing promise or interest on the electric log is described below.

FORMATION TOPS

Note: All tops corrected to the Schlumberger log which indicates all tops, zones, and other measurements to be 3' - 4' up the hole from driller's measurements.

Heebner	3784 (-1666)
Douglas'	3819 (-1701)
Brown Lime	3908 (-1790)
Lansing Lime	3918 (-1800)
Base Kansas City	4220 (-2102)
Marmaton	4240 (-2122)
Conglomerate Sand #1 or Cherokee Sand	4382 (-2264)
Conglomerate Sand #2	4412 (-2294)
Erosional Mississippi	4422 (-2304)
Kinderhook Junk Zone	4459 (-2341)
Viola Dolomite	4545 (-2420)
R.T.D.	4547

OIL SHOWS, POROUS ZONES & TESTING DATA

Topeka Section

No oil shows

4-23-65
RECEIVED
 STATE CORPORATION COMMISSION

APR 23 1965

CONSERVATION DIVISION
 Wichita, Kansas

Douglas Section
3819 - 3908

No oil shows. No sand development.

Lansing 3818 (-1800)
3954 - 3960

Cream finely crystalline to chalky limestone.
Abundant chert. No oil show. No visible porosity.
Chalky porosity. No permeability.

3968 - 3974

Chalky limestone as above. No show or porosity.

4038 - 4040

Tan sucrosic oocastic limestone. No oil show. Fair to good porosity.

4070 - 4075

Off white finely crystalline oocastic limestone.
No oil show. Fair to poor visible porosity.

4087 - 4094

White finely crystalline and chalky limestone.
Slightly nodular and vuggy. No oil show. Poor porosity.

4120 - 4130

Cream to tan sucrose oocastic limestone. No oil show.
Fair to good porosity.

4162 - 4166

White finely crystalline to semi-chalky limestone.
No oil show. Poor visible porosity.

4203 - 4206

White soft chalky limestone. No oil show. Poor porosity.

Base Kansas City 4220 (-2102)

Marmaton 4240 (-2122)

Marmaton and Cherokee section from 4240 - 4382 held out very dense limestone beds with gray and black shales. No oil shows. No porosity.

Conglomerate or Cherokee
Sand Zone 4382 (-2264)
4382 - 4388

Varicolored shales and other detritus. No chert.
Some very shaly limy sand. Dark oil stain.

4388 - 4393

Medium to coarse grained sand. Dark stain and residue to fair to good light saturation. Good porosity.
No chert. Sand is present partly as clusters.

4393 - 4396

Sand as above, very shaly. Oil stain and saturation.
Poor visible porosity.

Note: All DST measurements corrected (up the hole 3') to Schlumberger measurements.

DST #1

4367 - 4397

Open 2 hours, gas to surface in 2 minutes.

Gauged:

2.53 million in 10 minutes

2.31 million in 45 minutes

2.19 million in 60 minutes

2.06 million in 90 minutes

1.63 million in 2 hours

BTU rating 990

Otis, Kansas Station

Recovered 255' froggy, muddy, gas cut oil (thick and lumpy) No free oil.

ISIP 1429# in 20 minutes

IFP 403#

FFP 278#

FSIP 1222# in 30 minutes

4396 - 4412

Varicolored shale, gray, brown and red. Some conglomeratic detritus, not much chert. No sand development. No oil shows.

Conglomerate Sand No. 2 4412 (-2294)

4412 - 4420

Weathered discolored shaly (appearing) chert. Coarse loose sand. Some sand clusters with fair show free oil. Good visible porosity.

DST #2

4412 - 4432

Open 1 hour. Recovered 370' muddy water.

ISIP 1389# in 20 minutes

IFP 86#

FFP 192#

FSIP 996# in 30 minutes

Erosional Mississippi 4422 (-2304)

4422 - 4431

Weathered varicolored chert with loose coarse sand and very shaly, some fair oil stain. Fair visible porosity. (Covered by DST #2)

4435 - 4459

Weathered varicolored chert with white opaque tripolitic cherty and coarse loose sand. Very conglomeratic at top with less shale, sand and discolored shale with depth. Scattered poor oil stain. Fair visible porosity. Zone judged no value.

Imperial Oil of Kansas, Inc.
No. 1 Wendel
NE SW Sec. 27-24S-17W
Edwards County, Kansas
Geological Report

Page 4

Kinderhook Detritus Zone 4459 (-2341)

4473 - 4476

Fine grained shaly sand. Brown oil residue stain.
No free oil. Sand in clusters. Very poor porosity.
Judged no value.

4376 - 4518

Sand as above, shaly to clean calcareous to quartzitic
cement, green to clear. No oil show. Poor porosity.
The above sand interbedded with green shale, greenish
siltstone and green grainy chert. Some dark greenish
gray shale. A few stringers of clear glassy sand
(sedimentary quartzite) very hard and tough on bits.
None of the above with oil stain.

4518 - 4530

Mostly greenish gray shale and siltstone.

4530 - 4538

Shale as above and increase in varicolored shale and
conglomeratic chert and other detritus. No oil show.
Poor porosity.

Viola 4538 (-2420)

4538 - 4547

White to cream fine grainy cherty colomite. Mealy and
chalky. Chert is off white, opaque, smooth and bone with
traces of fossil markings. No oil show. Poor porosity.
According to samples and electric log correlations this
zone has been called the top Viola by the Imperial Oil
of Kansas, Inc. staff and will correlate with Viola
calls on all file dope you have.

R.T.D.
5 1/2" Casing Run

4547
March 10, 1965

REMARKS:

The sand at 4388 - 4393 appears to be a different bed than one having shows at the Slawson #1 Cross "A", SE SE Sec. 22-24S-17W. The equivalent zone at the Imperial #1 Wendel at 4412 - 4420 carried water. The "so-called" Mississippi at the Wendel No. 1 is very conglomeratic and erosional with alien detrital material and hardly typical of Mississippi chert in place.

The entire detrital zone from 4370 - 4538 is likely to be subjected to facies changes from well to well with the possibility that new porous zones may develop. This section should be carefully watched on all wells drilled in this area.

Respectfully submitted,

DDS:fd

DON D. STRONG

4618 E. KELLOGG

DON D. STRONG PETROLEUM GEOLOGIST

WICHITA 18, KANSAS

PHONE MU 5-7255

Imperial Oil of Kansas, Inc.
 No. 1 Wendel
 NE SW Sec. 27-24S-17W
 Edwards County, Kansas

Elevation: 2118 KB
 RTD 4547'

DRILLING TIME LOG

<u>DEPTH</u>	<u>TIME</u>	<u>REMARKS</u>
3400 - 3410	3-3-2-2-1	1-2-2-3-2
3420	3-3-4-4-3	4-3-2-3-2
3430	3-4-3-3-3	3-3-1-2-2
3440	2-4-3-2-4	4-4-4-3-2
3450	3-4-2-3-3	3-3-3-3-2
3460	3-3-2-2-3	2-4-2-2-1
3470	1-1-1-1-2	2-3-3-3-3
3480	3-3-4-4-4	2-2-3-3-3
3490	3-2-3-3-3	1-2-3-3-3
3500	3-3-2-4-3	3-1-2-1-1
3500 - 3510	$\frac{1}{2}$ - $\frac{1}{2}$ -1-1-1	2-1-1-1-1
3520	2-2-1-2-1	1-1-3-2-3
3530	1-1-1-1-1	2-3-4-4-6
3540	5-3-2-2-3	3-2-1-1-2
3550	1-3-1-2-2	3-6-7-7-2
3560	2-2-3-4-4	2-3-4-4-2
3570	2-2-1-2-1	2-1-2-2-1
3580	2-2-4-9-12	4-3-3-3-4
3590	8-5-3-4-4	4-4-6-9-9
3600	9-8-7-10-10	9-10-9-7-8
3600 - 3610	6-6-4-3-2	2-2-2-2-1
3620	2-2-3-2-3	2-2-2-2-2
3630	3-2-2-2-2	2-2-3-2-2
3640	2-3-3-4-3	3-5-9-8-7
3650	8-11-3-2-4	4-2-3-4-5
3660	4-4-3-4-4	3-4-4-4-2
3670	2-2-6-6-6	3-2-2-1-1
3680	$\frac{1}{2}$ - $\frac{1}{2}$ -1-1-2	2-1-1-2-2
3690	2-4-3-2-1	2-2-1-1-1
3700	2-2-2-2-4	2-3-1-2-3
3700 - 3710	2-3-2-3-2	3-4-3-3-3
3720	3-4-3-4-4	4-3-6-5-5
3730	5-5-7-6-9	6-4-3-1-3
3740	3-4-4-8-8	6-7-8-8-9
3750	9-10-10-8-9	10-12-8-12-13
3760	13-12-12-13-10	9-10-7-8-7
3770	6-6-6-6-8	5-5-4-6-7
3780	6-7-6-7-8	6-6-7-7-5
3790	6-6-7-7-6	6-5-3-3-3
3800	2-10-11-14-10	11-5-4-4-4

Trip @ 3643

Imperial Oil of Kansas, Inc.
 No. 1 Wendel
 NE SW Sec. 27-24S-17W
 Edwards County, Kansas
 Drilling Time Log

<u>Depth</u>		<u>Time</u>	<u>Remarks</u>
3700 - 3710	2-3-2-3-2	3-4-3-3-3	
3720	3-4-3-4-4	4-3-6-5-5	
3730	5-5-7-6-9	6-4-3-1-3	
3740	3-4-4-8-8	6-7-8-8-9	
3750	9-10-10-8-9	10-12-8-12-13	
3760	13-12-12-13-10	9-10-7-8-7	
3770	6-6-6-6-8	5-5-4-6-7	
3780	6-7-6-7-8	6-6-7-7-5	
3790	6-6-7-7-6	6-5-3-3-3	
3800	2-10-11-14-10	11-5-4-4-4	
3800 - 3810	5-4-4-5-4	10-7-8-8-9	
3820	6-5-6-5-5	5-2-9-10-10	
3830	10-10-5-4-5	5-7-6-8-6	
3840	4-5-5-4-6	5-4-4-5-7	
3850	5-3-4-5-5	5-5-5-5-4	
3860	5-4-4-4-4	4-4-4-4-4	
3870	4-4-4-4-4	4-4-4-3-5	
3880	3-4-4-3-4	4-4-3-3-4	
3890	4-3-4-4-3	3-3-4-3-5	
3900	3-4-3-4-3	4-4-3-4-4	
3900 - 3910	3-3-4-3-4	4-3-3-3-3	
3920	2-10-10-11-5	5-4-5-4-5	Trip @ 3915
3930	5-5-7-6-7	6-4-8-8-7	
3940	9-10-10-10-11	10-8-8-6-9	
3950	6-10-10-5-5	6-5-9-10-9	
3960	8-6-7-7-5	6-3-4-4-3	
3970	4-3-7-4-5	9-10-11-10-5	
3980	7-5-6-5-6	5-5-8-8-8	
3990	8-8-7-11-12	14-7-9-14-15	
4000	7-6-6-7-6	5-5-5-4-10	
4000 - 4010	6-5-5-7-6	7-7-9-7-12	
4020	9-8-8-10-4	6-5-4-3-4	
4030	5-7-8-3-3	4-8-6-5-7	
4040	5-6-3-3-5	5-5-6-5-6	
4050	8-7-8-8-7	5-7-5-6-7	
4060	5-5-5-5-8	10-8-6-10-7	
4070	9-10-6-4-5	5-6-5-5-6	
4080	6-5-10-6-6	4-7-6-8-8	
4090	10-10-11-10-10	9-11-10-8-6	
4100	7-6-4-6-6	6-6-6-9-10	

Imperial Oil of Kansas, Inc.
 No. 1 Wendel
 NE SW Sec. 27-24S-17W
 Edwards County, Kansas
 Drilling Time Log

<u>Depth</u>	<u>Time</u>	<u>Remarks</u>
4100 - 4110	8-9-11-6-7	8-7-7-7-7
4120	6-4-6-6-8	6-7-8-8-7
4130	8-7-7-6-2	1-2-3-4-3
4140	1/3-1/3-1/3-1-2-3-9-10-9-10	
4150	10-8-6-5-6	8-9-10-9-6
4160	3-5-5-4-6	5-6-5-4-5
4170	5-7-6-5-4	4-4-4-6-8
4180	8-11-13-13-13	12-13-13-12-11
4190	13-8-7-13-12	12-9-5-4-16
4200	13-5-15-10-8	8-9-6-6-8
4200 - 4210	9-9-7-6-8	8-8-7-4-9
4220	11-14-13-14-14	15-14-16-12-13
4230	12-12-6-8-6	7-7-6-6-7
4240	6-8-4-4-5	3-4-4-3-3
4250	3-3-3-11-13	13-13-11-11-11
4260	15-13-14-12-6	4-3-3-3-2
4270	7-10-16-17-6	7-6-7-7-6
4280	6-8-6-6-6	6-6-6-7-5
4290	2-5-5-5-5	5-4-4-3-6
4300	6-5-7-5-4	9-7-6-7-6
4300 - 4310	5-7-6-7-5	5-4-3-4-8
4320	6-7-7-6-7	9-7-6-6-5
4330	6-8-6-5-4	3-2-1-2-5
4340	5-6-6-5-6	7-7-4-6-8
4350	7-7-8-6-7	7-8-7-7-6
4360	6-8-8-7-3	3-2-5-8-7
4370	3-7-8-9-8	10-11-10-10-11
4380	10-11-8-9-8	7-7-8-9-7
4390	9-7-5-7-6	8-9-7-9-9
4400	4-1-3-2-3	3-5-8-7-8
4400 - 4410	6-3-5-6-6	4-6-7-8-9
4420	9-7-9-9-4	1-1-2-2-3
4430	3-3-1-6-6	4-6-3-2-4
4440	2-2-2-3-5	5-4-2-1-2
4450	2-1-1-1-2	1-2-1-1-2
4460	3-2-1-2-3	2-3-2-3-3
4470	4-8-12-6-12	14-19-19-17-18
4480	18-19-20-18-8	6-8-10-7-5
4490	7-6-6-6-6	7-6-7-5-10
4500	16-16-13-13-14	16-16-17-18-17
4500 - 4510	18-18-21-8-10	8-10-8-7-9
4520	8-9-8-8-10	8-7-9-9-8
4530	9-9-8-9-9	8-9-9-8-9
4540	8-10-8-8-8	8-8-7-7-9
4547	8-9-10-11-13	16-11

Trip @ 4103

Trip @ 4265

Trip - Circ. 4400 - DST

Circ. @ 4425

Circ. @ 4435 - DST

Trip @ 4503

RTD 4547 - Circ.