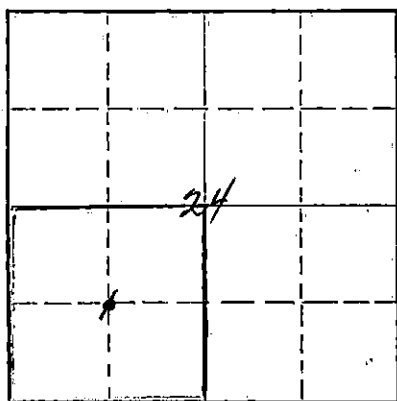


STATE OF KANSAS  
STATE CORPORATION COMMISSIONGive All Information Completely  
Make Required AffidavitMail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
212 North Market, Insurance Bldg.  
Wichita, KansasR  
WELL PLUGGING RECORD

NORTH

Locate well correctly on above  
Section Plat

Reno

County. Sec. 24 Twp. 24S Rge. (E) 8 (W)

Location as "NE/CNW/SW" or footage from lines C SW/4

Lease Owner Skelly Oil Company

Lease Name Laura A. Smith Well No. 1

Office Address Box 1650, Tulsa, Oklahoma

Character of Well (completed as Oil, Gas or Dry Hole) Oil

Date well completed December 31, 19 26

Application for plugging filed August 18, 19 60

Application for plugging approved August 22, 19 60

Plugging commenced August 22, 19 60

Plugging completed September 12, 19 60

Reason for abandonment of well or producing formation Depleted oil well,  
uneconomical to operate.

If a producing well is abandoned, date of last production August 17, 19 60

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. Fred W. Hampel

Producing formation Lansing Lime Depth to top 3199' Bottom Total Depth of Well 3558 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
Lansing Lime	Oil	3508'	3549'	20"	56'0"	None
				8-1/4"	2738'3"	2546'0"
				6-5/8"	3550'11"	2891'0"

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.

Sand	3558' to 3490'
Mud	3490' to 2705'
Sand	2705' to 2690'
5 sacks of cement	2690' to 2675'
Mud	2675' to 180'
Rock bridge	180' to 170'
25 sacks of cement	170' to 120'
Mud	120' to 80'
Rock bridge	80' to 70'
20 sacks of cement	70' to 60'
Mud	60' to 15'
Rock bridge	15' to 5'
10 sacks of cement	5' to 3'
Surface soil	3' to Surface

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10-7-60  
OCT 7 1960

(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor Ace Pipe Pulling Company  
Address P.O. Box 304, Great Bend, Kansas

CONSERVATION DIVISION  
Wichita, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.  
H. E. Wamsley

(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)

Box 391, Hutchinson, Kansas

(Address)

SUBSCRIBED AND SWORN to before me this 5th day of October, 19 60

My commission expires April 7, 1963

Notary Public.

# SKELLY OIL COMPANY

## REPORT OF CHANGE IN WELL RECORD

Give complete description of all cleaning out, deepening, plugging back and fishing jobs, changes in casing, material lost in hole, etc., not recorded in original well record.

LEASE NAME L. A. Smith WELL NO. One

### CLEANING OUT RECORD

Date commenced None 193    
 Date completed 193    
 Cleaned out from    to    T.D.     
 Prod. before    bbls. oil    bbls. water    cu. ft. gas     
 Prod. after    bbls. oil    bbls. water    cu. ft. gas     
 Kind of tools used:     
 Tools owned by:   

### PLUGGING BACK OR DEEPENING RECORD

Date commenced None 193    
 Date completed 193    
 Plugged back or deepened from    to    T.D.     
 Prod. before    bbls. oil    bbls. water    cu. ft. gas     
 Prod. after    bbls. oil    bbls. water    cu. ft. gas     
 Kind of tools used:     
 Tools owned by:   

### SHOT RECORD

Date	<u>None</u>				
Size shot		Qts.		Qts.	
Shot between		Ft. and Ft.		Ft. and Ft.	
Size of shell					
Put in by (Co.)					
Length anchor					
Distance below casing					
Damage to casing or casing shoulder					

### CHANGES IN CASING RECORD

SIZE	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
No change in casing record.													

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OCT 7 1960

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STATE CORPORATION COMMISSION

OCT 7 1960

CONSERVATION DIVISION  
Wichita, Kansas

Liner set at    Length    Perforated at     
 Packer set at    Size and kind   

REMARKS (Give review of work accomplished and any other comment of interest)

This "Change in Well Record" covers an acid treatment only - see reverse side for remarks.

(Use reverse side for continuation of remarks and for formation record).

Superintendent.

REMARKS (Continued) On March 23, 1933, we pulled the rods and tubing out of this well and then bailed all of the water out of the hole (Approx. 10 bbls.) and left 200 ft. of oil in the hole. We then dumped 106 gallons of 20 degree inhibitive acid in the hole and 106 gallons of water (making a 50% solution). This treatment was followed with 27.50 bbls. of crude oil. All of this fluid was dumped in the well thru the 6-5/8" casing. The following day (March 24th) we ran tubing and rods and resumed pumping on March 25, 1933, with the following results:-

March 26th - 50 bbls. oil - 10 bbls. water - pumped 21 hours and down 3 hours, repairing engine - well pounding top stroke and gas increased from 10,000 cu.ft. to 15,000 cu.ft. estimated.

March 27th - 52.50 bbls. oil - 15 bbls. water - pumped off in 14 hours, pumping 312 stroke 20 strokes per minute.

#### RECORD OF FORMATIONS

March 28th - 42.50 bbls. oil - 10 bbls. water.

FORMATION	TOP	BOTTOM	REMARKS
March 29th - 45.00 bbls. oil - 15 bbls. water			Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
			pumped off in 17 hrs. 34" strokes 18
			stroked per minute.
March 30th - 32.50 bbls. oil - 10 bbls. water			Cups off - well needs pulling.
March 31st - 25.00 bbls. oil - 10 bbls. water			Cups off p well needs pulling. Pumped 14 hrs.
April 1st - 25.00 bbls. oil - 10 bbls. water			Pulled well and changed cups on both valves which were worn and ball & seat in working valve which was pitted.
April 2nd - 25.00 bbls. oil - 10 bbls. water			pumped 20 hours.
April 3rd - 25.00 bbls. oil - 10 bbls. water.			
April 4th - 25 bbls. oil - 10 bbls. water.			
April 5th - 25.00 bbls. oil - 10 bbls. water.			
April 6th - 22.50 bbls. oil - 10 bbls. water			
April 7th - 17.50 bbls. oil - 10 bbls. water			
April 8th - 22.50 bbls. oil - 12 1/2 bbls. water			
April 9th - 22.50 bbls. oil - 12 1/2 bbls. water.			
April 10th - 17.50 bbls. oil - 12 1/2 bbls. water.			

The first day this well was pumped after treating it made 25 bbls. of oil in addition to the 27.50 bbls. of oil used while treating the well. This work was performed under the supervision of O. M. Evans and H. E. Wamsley for the Skelly Oil Company; and Mr. Welch for the Ward Chemical Company

# SKELLY OIL COMPANY

## REPORT OF CHANGE IN WELL RECORD

Give complete description of all cleaning out, deepening, plugging back and fishing jobs, changes in casing, material lost in hole, etc., not recorded in original well record.

LEASE I. A. Smith

WELL NO. 7 DISTRICT Western Kansas

SEC. 24 T. 24N R. 8W

COUNTY Dono JOB NO. 477A

SURVEY \_\_\_\_\_ BLOCK \_\_\_\_\_

STATE Kansas

### CLEANING OUT RECORD

Date commenced.....19.....

Date completed.....19.....

Cleaned out from..... to..... T. D.....

Prod. before..... bbls. oil..... bbls. water..... cu. ft. gas.....

Prod. after..... bbls. oil..... bbls. water..... cu. ft. gas.....

Kind of tools used:.....

Tools owned by:.....

### PLUGGING BACK OR DEEPENING RECORD

Date commenced..... August 22, 19 60

Date completed..... September 12, 19 60

Plugged back or deepened from 5550' to Surf. T. D. P & A

Prod. before..... bbls. oil..... bbls. water..... cu. ft. gas.....

Prod. after..... bbls. oil..... bbls. water..... cu. ft. gas.....

Kind of tools used:.....

Tools owned by: Acc Pipe Pulling Company

### SHOT RECORD

Date									
Size shot		Qts.		Qts.		Qts.		Qts.	
Shot between	Ft. and	Ft.	Ft. and	Ft.	Ft. and	Ft.	Ft. and	Ft.	
Size of shell									
Put in by (Co.)									
Length anchor									
Distance below casing									
Damage to casing or casing shoulder									

### CHANGES IN CASING RECORD

OD SIZE	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
<u>6-5/8"</u>	<u>247</u>	<u>8V</u>	<u>500'</u>	<u>109</u>	<u>2891</u>	<u>0</u>	<u>659</u>	<u>11</u>	<u></u>	<u>89</u>	<u>C</u>		
<u>8-1/4"</u>	<u>322</u>	<u>8V</u>	<u>705'</u>	<u>96</u>	<u>2546</u>	<u>0</u>	<u>192</u>	<u>3</u>	<u></u>	<u>R2 SS</u>	<u>C</u>		

.....Liner set at..... Length..... Perforated at.....

Packer set at..... Size and kind.....

Superintendent.

REMARKS (Give review of work accomplished and any other comment of interest)

As the well was no longer economical to operate, regular authority was granted to plug and abandon the well. On August 22, 1960, moved in machine of Ace Pipe Pulling Company and plugged the well as follows:

Sand 3550' to 3490'

Shot 6-5/8" casing at 3310' and 3020', unable to pull casing. Spotted 60 barrels of oil behind 6-5/8" casing, unable to pull. Shot off 6-5/8" casing at 2910' and pulled 109 jts. (2591') of 6-5/8" OD, 2 1/4", 37, S.S. Pittsburgh casing (C cond.).

Pulled 4" tension on 8-1/4" casing, would not pull.

Mud 3490' to 2705'

Sand 2705' to 2690'

5 sacks of cement 2690' to 2575'

Shot off 8-1/4" casing at 2513'. Spotted 65 barrels of oil behind 8-1/4" casing. Pulled 96 joints (2546') of 8-1/4" OD, 3 1/2", 37, R-2, S.S. casing (C cond.)

Mud 2675' to 160'

Rock bridge 160' to 170'

25 sacks of cement 170' to 120'

Mud 120' to 80'

Rock bridge 80' to 70'

20 sacks of cement 70' to 60'

Mud 60' to 15'

#### RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
			Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Rock bridge		15' to 5'	
10 sacks of cement		5' to 3'	
Surface soil		3' to Surface	

Plugged and abandoned 9/12/60.

# SKELLY OIL COMPANY

## DEEPENING RECORD

Reddish brown very porous and soft lime		3549	Sample taken before deepening
Reddish brown porous lime	3549	3549 $\frac{1}{2}$	Fluid level raised from 3100 to 3300 and it is believed this 6" helped well.
Fine dark gray lime	3549 $\frac{1}{3}$	3550	
Hard gray lime	3550	3565	
Coarser hard gray lime, some shells	3565	3574	
Broken lime and shale	3574	3588	S.L.M. (TOTAL DEPTH)
PLUGGED BACK WITH LEAD WOOL, ROCK & CHAT	3588	3558	S.L.M. (TOTAL DEPTH)

**RECEIVED**  
STATE CORPORATION COMMISSION

OCT 7 1960

CONSERVATION DIVISION  
Wichita, Kansas

# SKELLY OIL COMPANY

## REPORT OF CHANGE IN WELL RECORD

C O P Y

Give complete description of all cleaning out, deepening, plugging back and fishing jobs, changes in casing, material lost in hole, etc., not recorded in original well record.

LEASE L. A. Smith

WELL NO. 1 DISTRICT Western Kansas

SEC. 24 T. 24S R. 8W

COUNTY Reno JOB NO. \_\_\_\_\_

SURVEY \_\_\_\_\_ BLOCK \_\_\_\_\_

STATE Kansas

ACID <del>CLEANING OUT</del> RECORD	PLUGGING BACK OR DEEPENING RECORD
Date commenced..... <u>November 1,</u> 19 <u>37</u>	Date commenced..... 19 .....
Date completed..... <u>November 1,</u> 19 <u>37</u>	Date completed..... 19 .....
Cleaned out from..... to <u>PB T.D. 3558'</u>	Plugged back or deepened from..... to..... T.D.....
Prod. before <u>150</u> bbls. <u>20</u> bbls. cu. ft. oil. water. gas	Prod. before..... bbls. bbls. cu. ft. oil. water. gas
Prod. after <u>214</u> bbls. <u>20</u> bbls. cu. ft. oil. water. gas	Prod. after..... bbls. bbls. cu. ft. oil. water. gas
Kind of tools used:..... <u>None</u>	Kind of tools used:.....
Tools owned by:.....	Tools owned by:.....

### ACID SHOT RECORD

Date	<u>11/1/37</u>				
Size shot	<u>1500 gals. Qtx</u>	Qts.	Qts.	Qts.	Qts.
Shot between	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.
Size of shell					
Put in by (Co.)	<u>Dowell, Inc.</u>				
Length anchor					
Distance below casing					
Damage to casing or casing shoulder					

### CHANGES IN CASING RECORD

SIZE	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed

.....Liner set at..... Length..... Perforated at.....

Packer set at..... Size and kind.....

Superintendent.

REMARKS (Give review of work accomplished and any other comment of interest) Oil production had gradually declined in this well until it was producing on a potential test around 150 barrels oil per day, and as retest potentials were due at this time, it was decided to reacidize in effort to increase its oil production. On November 1, 1937, treated with 1500 gallons of acid:

TREATMENT NO. 4 - (Acidize) - 3508'-3558'  
11/1/37 treated by Dowell, Inc., using 1500 gallons of "X" acid, 180 barrels of oil, maximum CP-20" Vac., maximum TP-26" Vac., time 44 minutes.

After treatment the well was cleaned out and on retest potential pumping test taken on 11/10/37, a 24-hour potential of 214 barrels was established.

#### RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
			Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.



# SKELLY OIL COMPANY

## REPORT OF CHANGE IN WELL RECORD

Give complete description of all cleaning out, deepening, plugging back and fishing jobs, changes in casing, material lost in hole, etc., not recorded in original well record.

LEASE NAME L. A. Smith WELL NO. 1

ACID TREATMENT RECORD		PLUGGING BACK OR DEEPENING RECORD	
Date commenced.....	<u>October 23, 1933</u> 193	Date commenced.....	193
Date completed.....	<u>October 26, 1933</u> 193	Date completed.....	193
Cleaned out from..... to.....	<u>P.B. T.D. 3558'</u>	Plugged back or deepened from..... to.....	T.D.
Prod. before.....	<u>15</u> bbls. oil. <u>10</u> bbls. water. cu. ft. gas	Prod. before.....	bbls. oil. bbls. water. cu. ft. gas
Prod. after.....	<u>224</u> bbls. oil. <u>17</u> bbls. water. cu. ft. gas	Prod. after.....	bbls. oil. bbls. water. cu. ft. gas
Kind of tools used.....	<u>None</u>	Kind of tools used.....	
Tools owned by:		Tools owned by:	

ACID TREATMENT		SHOT RECORD	
Date	<u>Oct. 23, 1933</u>		
Size shot	<u>1000 gals. Dowell "X"</u>	Qts.	Qts.
Shot between	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.
Size of shell			
Put in by (Co.)	<u>Dowell, Inc.</u>		
Length anchor.			
Distance below casing			
Damage to casing or casing shoulder			

### CHANGES IN CASING RECORD

SIZE	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
<b>NO CHANGE IN CASING RECORD</b>													

Liner set at..... Length..... Perforated at.....

Packer set at..... Size and kind.....

REMARKS (Give review of work accomplished and any other comment of interest) .....

.....

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.....

.....

(Use reverse side for continuation of remarks and for formation record).

Superintendent.

REMARKS (Continued) After pulling the sucker rods from this well, we started to treat same

at 2:40 PM, October 23rd, and the treatment was installed as follows:

Ran in 125 bbls. oil - GP 200# - TP 100#

Pumped in 10 gals. Brine Seal

Pumped in 50 gals. Blanket

Pumped in 2 bbls. Oil

Pumped in 40 gals. Blanket

Pumped in 1000 gals. Dowell "X" Acid - 28" Vacuum on both Casing & Tubing

Pumped in 20 bbls. Oil - 28" Vacuum on both Casing & Tubing

Finished treatment at 4:00 PM October 23rd, and shut in for acid to act.

Sucker rods were run back in this well on Oct. 27th and we resumed pumping on the same date after allowing the well to stay shut in for 91 hours for the acid to act, we started

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.			

pumping at 11:00 AM October 27th as follows:

Oct. 28th - Pumped 90 bbls. oil in 17 hrs. - off 2 hrs. for engine trouble  
29th - Pumped 102½ bbls. oil in 22½ hrs. - off 1½ hrs. for engine trouble  
30th - Pumped 125 bbls. in 24 hrs.  
31st - Pumped 117½ bbls. in 24 hrs.  
Nov. 1st - Pumped 135 bbls. in 24 hrs.  
2nd - Pumped 130 bbls. in 24 hrs.  
3rd - Pumped 42½ bbls. oil & 5½ bbls. water in 8 hrs. - shut in 16 hrs. for Proration

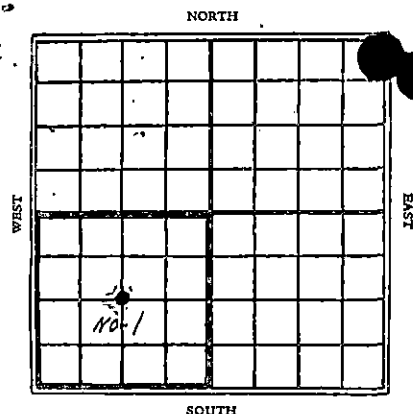
This well was pinched in to 25 bbls. per day due to proration, and was allowed to produce at this rate until January 18, 1934, when the well was opened for a test and produced as follows:

Jan. 18th - Pumped 150 bbls. oil in 23 hrs.  
19th - Pumped 155 bbls. oil in 22 hrs.

This oil was cutting badly and it was necessary to shut the well in due to having to treat same and being short on tank room. This oil was treated out and the well again opened for test as follows:

Feb. 1st - Pumped 162½ bbls. oil in 24 hrs.  
2nd - Pumped 45 bbls. oil - part of production held in gun barrel  
3rd - Pumped 120 bbls. oil - 12½ bbls. water in 17 hrs. - 7% water & 2% BS at well  
4th - Pumped 162½ bbls. oil - 15 bbls. water in 24 hrs. - 7% water & 2% BS at well  
5th - Pumped 137½ bbls. oil - 17½ bbls. water in 24 hrs. - 10% water & 2% BS at well  
6th - Pumped 162½ bbls. oil - 10 bbls. water in 24 hrs. - 7% water & 2% BS at well  
7th - Pumped 157½ bbls. oil - 15 bbls. water in 24 hrs. - 6% water & 2% BS at well  
8th - Shut in  
9th - Pumped 165 bbls. oil & 10 bbls. water in 18 hrs. - 8% water & 2% BS at well  
10th - Pumped 59 bbls. oil & 7 bbls. water in 6 hrs. - 8

POTENTIAL TEST - 224 bbls. oil & 17 bbls. water



ELEVATION 1630 Dr. Fl.

**SKELLY OIL  
COMPANY**

Lease No. 3819

Record of Well No. 1 LAURA A. SMITH LEASE Farm

Lease Description SW/4

Section 24 Township 24 South Range 8 West

County Reno State Kansas Acres 160 A

Location Made 19 By Hartman & Skaer

1320 feet from North line 1320 feet from East line

1320 feet from South line 1320 feet from West line

Rig com'd 19 Rig comp'd 19

Drilling com'd June 29th 1926 Drilling comp'd Jan. 1st 1927

Rig Cont'r

Rotary Drilling Cont'r  
Braden-McClure Drilling Company, W. Dodge, Kansas

Total depth of well 3549 feet @ 3544-1/2' per foot

Commenced Producing December 31st 19 26

Natural 14 24 hours 200 Bbls.

Production 24 24 hours 385 Bbls.

After Shot 1st 24 hours 200 Bbls.

2d 24 hours 385 Bbls.

Gas Pressure lbs. Volume Cu. ft.

Oil at ft. CASING POINTS

Best Oil at ft. 20" 70'

Water at ft. 15-1/2" 408'

Top of Break 12-1/2" 1315'

Bottom of Break 10" 2014'

Top of 2nd Sand 8-1/4" 2705'

Ft. in 2nd Sand 6-5/8" 3508'

Bottom of 2nd Sand 5-3/16" 3549'

TOTAL DEPTH: 3549 3544-1/2' S.L.M.

**CLEANING OUT RECORD**

Date commenced cleaning out 7

Date cleaning out was completed 7

Drilled deeper No. of feet 7

Production prior to cleaning 7

Production after cleaning 7

Remarks: 7

Note: If well is dry, state under remarks, When, How, and by Whom plugged.

**RECORD OF FORMATIONS**

FORMATION	TOP	BOTTOM	REMARKS Indicate Showing of Oil, Gas, Water and Describe Formation
Red sand	0	70	Set 20" casing at 70'
Red rock	70	225	
Yellow clay	225	245	
Red rock	245	305	
Brown shale	305	330	
Red rock	330	345	
Brown shale	345	350	
Blue shale	350	395	
Gray shale	395	400	
Red rock	400	408	Set 15-1/2" casing at 408'
Brown shale	408	425	
Red rock	425	530	
Gray shale	530	565	
Blue shale	565	600	
Red rock	600	620	
Gray shale	620	750	2 bailers water per hour at 750'
Light salt	750	1150	
Dark shale	1150	1160	
Light lime	1160	1200	
Shelly	1200	1245	
Light lime	1245	1260	
Dark shale	1260	1275	
Light lime	1275	1295	
White shale.	1295	1315	Set 12-1/2" casing at 1315'
Dark lime	1315	1351	
Blue shale	1351	1361	
Dark lime	1361	1405	
White shale	1405	1420	
(over)			

15-155-00372-0000

Form N47-1M-12-10-25-T. P. Co.

Record of Sands		To Top	To Bot.	Thickness
1st or				
2d or				
3d or				
4th or				
5th or				
Torpedo Rec'd	1st Shot	Qts.	2d Shot	Qts.
Shot between	Ft.	Ft.	Ft.	Ft.
Date of Shot	19		19	
Put in by				
No. ft. of Shell				
Size of Shell				
No. ft. Anchor				
Distance below casing				
Any damage to casing or casing shoulder				

Packer set at ft. Size & Kind ft.

Packer set at ft. Size & Kind ft.

Wooden Conductor: Size ft.

**Drive Pipe Casing, Tubing and Sucker Rods**

Size	Weight per Foot	Left in Well			Put in Well but pulled out	
		Jts.	Feet	In.	Feet	In.
20			Pulled			
15 1/2			"			
12 1/2			"			
10"			"			
8 1/4"			2735'	3		
6 7/8"			3550'	11		
5 3/16			Pulled			

Liner Size Length Where Set

Hole reduced at Perforated at

Liner Size Length Where Set

Hole reduced at Perforated at

**DEEPENING RECORD**

Date commenced deepening RECEIVED

Date completed STATE CORPORATION COMMISSION

Drilled deeper No. of feet OCT 7 1960

Production prior to deepening CONSERVATION DIVISION

Production after deepening WICHITA, KANSAS

## RECORD OF FORMATIONS--Continued

FORMATION	TOP	BOTTOM	REMARKS Indicate Showing of Oil, Gas, Water and Describe Formation
Red rock	1420	1432	
White lime	1432	1469	
Blue shale	1469	1485	
White lime	1485	1520	
Brown lime	1520	1590	2-1/2 bailers water per hour at 1560'
Red rock	1590	1595	
Light brown lime	1595	1601	
Blue shale	1601	1642	
Hard white lime	1642	1662	
Black slate	1662	1670	
Light lime	1670	1677	
Red rock	1677	1685	
Blue shale	1685	1695	
Light lime	1695	1710	
Blue shale	1710	1735	
Light hard lime	1735	1745	
Shale and hard shell	1745	1775	
White lime	1775	1815	
Blue shale and shells	1815	1850	
Red rock	1850	1885	
Shale and shells	1885	1945	
Light lime	1945	1961	Set 10" casing at 1958'
Dark slate	1961	1975	
Blue shale	1975	1986	H.F.W.
Light lime	1986	2005	
Blue shale	2005	2012	
Light lime	2012	2024	Underreamed 10" casing to 2014' S.L.M.
Black shale	2024	2030	
Light lime	2030	2036	
Black shale	2036	2058	
Brown lime	2058	2066	
Gray shale	2066	2093	
Red rock	2093	2095	
White lime	2095	2099	
Blue shale	2099	2115	
Sandy shale	2115	2160	2-1/2 bailers of water at 2125' to 2135'
Light lime	2160	2170	
Dark shale	2170	2190	
Dark broken lime	2190	2220	2 bailers water at 2203'
Blue shale	2220	2230	
Red rock	2230	2234	
Blue shale	2234	2290	
Light lime	2290	2308	
Gray lime	2308	2335	
Green shale	2335	2360	
White lime	2360	2430	6 bailers water per hour at 2380'
Blue shale	2430	2445	
Light lime	2445	2475	
Blue shale	2475	2520	
Light lime	2520	2610	
Sand	2610	2630	
Blue shale	2630	2650	
Lime	2650	2680	
White water sand	2680	2690	H.F.W. at 2680' to 2690'
Gray lime	2690	2705	
Light lime	2705	2718	
Gray shale	2718	2721	
Soft brown lime	2721	2780	
Light lime	2780	2925	
Sandy lime	2925	2945	1-1/2 bailers water per hour from 2925' to 2937'
Black shale	2945	2968	
Light lime	2968	3010	
Brown lime	3010	3050	
Blue sand	3050	3075	
Blue shale	3075	3080	
White sand	3080	3115	H.F.W. 3095' to 3105'
Sand	3115	3185	
White lime	3185	3195	
Gray shale	3195	3200	
Light lime	3200	3325	
Brown lime	3325	3380	
Blue shale X	3380	3385	
Lime	3385	3405	
White hard lime	3405	3430	
White lime	3430	3440	
Blue shale X	3440	3445	
Light lime	3445	3488	
Brown shale X	3488	3497	
Light lime	3497	3528	Set 6-5/8" casing at 3508' G.M.L. 3515 P.J.
Brown lime	3528	3538	
Black shale X	3538	3540	
Light lime	3540	3545	(See Mr. Graham's letter to Mr. Stalder of March 26th)
Oil-sand Lime Pay	3545	3550	Top of pay 3545'

## REMARKS

Above figures are cable measurement. Steel line

Measurement shows total depth of . . . 3544-1/2' 3549'

Set 6-5/8" casing at 3508' in light lime. From 3508' to 3528' is light lime. Brown lime 3528' to 3538'. Black shale 3538' to 3540'. Light lime 3540' to 3545'. Top of oil-sand 3545'. Drilled sand to 3549' and well commenced flowing by heads every 15 minutes. Flowed approx. 20 bbls. per hr. (oil), until 5 P.M. 1/2/27 well having commenced producing on Dec. 31, 1926. Swabbed from 5 P.M. 1/2/27 until 7 A.M. 1/3/27 and produced 200 bbls. oil and 60 bbls. water for this 14 hr. period. Swabbed 385 bbls. oil and 57 bbls. water for the following 24 hrs. ending 7 A.M. 1/4/27. Placed to pumping on beam on 1/8/27 and produced 197 bbls. oil 1st 7 hrs. pumped 180 bbls. oil and 10 bbls. water for 24 hrs. ending 7 A.M. 1/28/27. Well was not shut. T.D. 3544-1/2' S.L.M.