

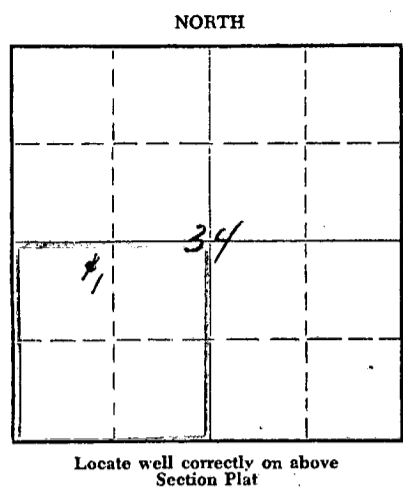
STATE OF KANSAS  
STATE CORPORATION COMMISSION

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
212 North Market, Insurance Bldg.  
Wichita, Kansas

WELL PLUGGING RECORD

Ellis County, Sec. 34 Twp. 11S Rge. (E) 19 (W)

Location as "NE/CNW/SW" or footage from lines NE/4 NW/4 SW/4  
Lease Owner Skelly Oil Company  
Lease Name Esther Jensen Well No. 1  
Office Address Box 1650, Tulsa, Oklahoma  
Character of Well (completed as Oil, Gas or Dry Hole) Oil  
Date well completed August 19, 19 53  
Application for plugging filed October 25, 19 60  
Application for plugging approved 19  
Plugging commenced September 21, 19 60  
Plugging completed September 24, 19 60  
Reason for abandonment of well or producing formation Depleted, not profitable to operate  
If a producing well is abandoned, date of last production August 29, 19 60  
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes (verbally)



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well Mr. Eldon Petty  
Producing formation Topeka Lime Depth to top 3102' Bottom 3110' Total Depth of Well 3649 Feet  
Show depth and thickness of all water, oil and gas formations. PB 3114'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Topeka Lime	Oil	3102'	3110'	8-5/8"	1427' 8"	None
Arbuckle Lime	Oil	3632'	3649'	5-1/2"	3683' 9"	2477' 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	3114' to 2849'
4 sacks of cement	2849' to 2817'
Mud	2817' to 600'
20 sacks of cement	600' to 540'
Mud	540' to 200'
20 sacks of cement	200' to 35'
Rock bridge	35' to 30'
10 sacks of cement	30' to 6'
Surface soil	6' to Surface

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Wichita, Kansas

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

Name of Plugging Contractor Ace Pipe Pulling Company  
Address Box 304 Great Bend, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.  
H. E. Wamsley (employee of owner) 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) [Signature]  
Box 391, Hutchinson, Kansas (Address)

SUBSCRIBED AND SWORN to before me this 25th day of October, 19 60

My commission expires April 7, 1963

[Signature] Notary Public.



8cc

# 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.

Washer Jensen  
LEASE

1 Western Kansas  
WELL NO. DISTRICT

SEC. 34 T. 11S R. 19W

COUNTY Ellis 6919  
JOB NO.

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

STATE Kansas

CLEANING OUT RECORD					PLUGGING BACK OR DEEPENING RECORD				
Date commenced.....	<u>June 25, 1954</u>				Date commenced.....	19.....			
Date completed.....	<u>July 3, 1954</u>				Date completed.....	19.....			
Cleaned out from.....	to.....	<u>T. D. 3649'</u>			Plugged back or deepened from.....	to.....	<u>T.D.</u>		
Prod. before.....	<u>27</u> bbls. oil.	<u>7</u> bbls. water.	<u>--</u> cu. ft. gas		Prod. before.....	bbls. oil.	bbls. water.	cu. ft. gas	
Prod. after.....	<u>20</u> bbls. oil.	<u>7</u> bbls. water.	<u>--</u> cu. ft. gas		Prod. after.....	bbls. oil.	bbls. water.	cu. ft. gas	
Kind of tools used:.....					Kind of tools used:.....				
Tools owned by:	<u>Doc's Well Service</u>				Tools owned by:				

### ACID SHOT RECORD

Date	<u>6/25/54</u>						
Size shot	<u>1650 gale. #2</u>			Qts.	Qts.	Qts.	Qts.
Shot between	<u>3632'</u>	Ft. and	<u>3649'</u>	Ft. and	Ft.	Ft. and	Ft.
Size of shell							
Put in by (Co.)	<u>Halliburton</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
<u>5 1/2"</u>			<u>casing perforations open</u>				<u>3632'</u>	<u>-3641'</u>	<u>with 25 holes</u>				
							<u>3641'</u>	<u>-3645'</u>	<u>with 26 holes</u>				

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

Packer set at.....  
STATE CORPORATION COMMISSION

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OCT 26 1960

CONSERVATION DIVISION  
Wichita, Kansas

Superintendent.

REMARKS (Give review of work accomplished and any other comment of interest) **Moved in pulling unit of Doc's Well Service on June 25, 1954, pulled rods and 2" tubing. On June 26, perforated 5 1/2" casing from 3641' to 3645' with 36 holes by Lane-Wells, no increase in fluid. Ran 2" tubing, filled hole with 98 barrels of oil and treated with 150 gallons of Halliburton HCA acid and 1500 gallons of 15% acid as follows:**

**ACID TREATMENT NO. 5 - Between 3632' and 3649'**

Treatment put in 6/26/54 by Halliburton, using 1650 gallons of acid and 118 barrels of oil.

TIME	CP	TF	REMARKS
12:05 am			98 barrels oil in hole, hole didn't load
2:15 pm		Vac.	Start acid
2:35 pm		Vac.	1500 gallons of acid in formation
2:45 pm		Vac.	Flushed with 20 barrels of oil

Ran rods and POB 13 hours, 31 barrels of oil used in treating and 7 barrels of water. Then pumped as follows:

DATE	HOURS PUMPED	BDLG. OIL	BDLG. WTR.	REMARKS
6-27-54	24	48	19	Treating oil
6-28-54	24	40	16	" "
		11		Formation oil
6-29-54	24	41	14	
6-30-54	12	17	6	
7-1-54	16	31	11	Repaired engine
7-2-54	12	22	7 1/2	
7-3-54	24	28	7	

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.

**Eather Jensen** LEASE  
**1** WELL NO. **Western Kansas** DISTRICT  
 SEC. **34** T. **110** R. **198** COUNTY **Ellis** Exp. JOB NO.  
 SURVEY \_\_\_\_\_ BLOCK \_\_\_\_\_ STATE **Kansas**

CLEANING OUT RECORD					PLUGGING BACK OR DEEPENING RECORD				
Date commenced	<b>October 5,</b>		19	<b>55</b>	Date commenced	19			
Date completed	<b>October 13,</b>		19	<b>55</b>	Date completed	19			
Cleaned out from	to		T. D. <b>3649'</b>		Plugged back or deepened from	to T.D.			
Prod. before	<b>9</b> bbls. oil	<b>7</b> bbls. water	cu. ft. gas		Prod. before	bbls. oil	bbls. water	cu. ft. gas	
Prod. after	<b>20</b> bbls. oil	<b>20</b> bbls. water	cu. ft. gas		Prod. after	bbls. oil	bbls. water	cu. ft. gas	
Kind of tools used:					Kind of tools used:				
Tools owned by:	<b>Post &amp; Brown Well Service</b>				Tools owned by:				

### ACID ~~SHOT~~ RECORD

Date	<b>10/6/55</b>					
Size shot	<b>1250 gals. 8x</b>			Qts.	Qts.	Qts.
Shot between	<b>3632</b> Ft. and	<b>3649</b> Ft.	Ft. and	Ft.	Ft. and	Ft.
Size of shell						
Put in by (Co.)	<b>Halliburton</b>					
Length anchor						
Distance below casing						
Damage to casing or casing shoulder						

### CHANGES IN CASING RECORD

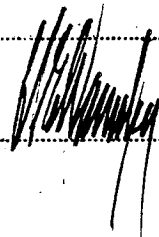
SIZE	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed

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

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OCT 26 1950

CONSERVATION DIVISION  
 Wichita, Kansas



Superintendent.

REMARKS (Give review of work accomplished and any other comment of interest) On October 5, 1955, moved in and pulled rods and tubing. Ran 2" tubing and set Halliburton HM packer at 3620' and treated through 2" tubing with 250 gallons of Halliburton 15% acid and 1000 gallons of Halliburton HV acid as follows:

ACID TREATMENT NO. 6 - Between 3632' and 3649'

Treatment put in 10/6/55 by Halliburton, using 1250 gallons of acid and 137 barrels of oil.

TIME	CP	TP	REMARKS
9:30 am			112 barrels of oil to load hole
9:47 am			Start acid
9:52 am	400'	600'	Acid on formation
9:58 am	400'	1250'	Start flush
10:20 am	400'	Vac.	Finish flush

Pulled tubing and packer, reran 2" tubing and rods and

POB 12 hours, 20 barrels of treating oil and 6 barrels of water.

DATE	HOURS PUMPED	BBLs. OIL	BBLs. WTR.	REMARKS
10-7-55	24	50	24	Treating oil
10-8-55	24	40	28	"
10-9-55	12	17	17	"
	12	15	15	
10-10-55	24	27	27	
10-11-55	20	9	4	Not pumping right
10-12-55	20	22	20	
10-13-55	24	20	20	

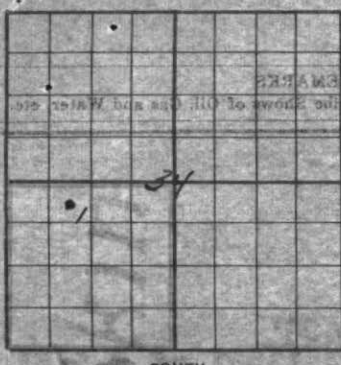
RECORD OF FORMATIONS

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

6 1/2  
11 1/2  
14 1/2  
17 1/2

10/13/55

# SKELLY OIL COMPANY



**Well Record**  
 Lease Name and No. **Luther Jensen** Well No. **1** Elev. **2124' RB**  
 Lease Description **1/4 Section 34-11-19, Ellis County, Kansas (160 Acres)**  
 Location made **June 30, 53** by **P. J. Cussen**  
**330** feet from North line **990** feet from East line  
**990** feet from South line **876** feet from West line of **Sec. 34**

Work com'd. **7/8 53** 19 **Rig comp'd 7/15 53** 19 **Drig. com'd 7/15 53** 19 **Drig. comp'd 8/6 53** 19  
 Rig Contractor **Claude Wentworth Drilling Co., Inc.**  
 Drilling Contractor **Claude Wentworth Drilling Co., Inc., Tulsa, Oklahoma**  
 Rotary Drilling from **0'** to **3643'** Cable Tool Drilling from **3643'** to **3649'**  
 Commenced Producing **August 19, 53** 19 Initial Prod. before shot or acid **XXXX 5 gals. oil no wtr/hr.** Bbls.  
 Initial Prod. after shot or acid **XXXX FOB 8 hrs. 60.25 BS to potential of 181 bbls.** Bbls.  
 Dry Gas Well Press \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.  
 Casing Head Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.  
 Braden Head (**8-5/8" 51" OD**) Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.  
 Braden Head ( \_\_\_\_\_ ) Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.

PRODUCING FORMATION **Arbuckle Lime** (Name) Top **3632'** Bottom **3649'** TOTAL DEPTH **3649'**

### CASING RECORD

OD Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	Sacks Used	CEMENTING Method Employed
				Jts.	Feet	In.	Jts.	Feet	In.				
8-5/8"	32	8V					3	65	0	R1 LW	C	600	
8-5/8"	28	8V	1418'				66	1362	8	R1 LW	C		Halliburton
5-1/2"	17	8R	3645'				157	3683	9	R1 LW	A	250	Halliburton
(8-5/8" casing set 2' in cellar and 5 1/2" cased to derrick floor)													
(5 1/2" casing perforated from 3632'-3641 1/2' with 85 holes)													
Used 1 - 5 1/2" OD Larkin Combination Guide & Float Shoe													

Liner Set at \_\_\_\_\_ Length \_\_\_\_\_ Perforated at \_\_\_\_\_  
 Liner Set at \_\_\_\_\_ Length \_\_\_\_\_ Perforated at \_\_\_\_\_  
 Packer Set at \_\_\_\_\_ Size and Kind \_\_\_\_\_  
 Packer Set at \_\_\_\_\_ Size and Kind \_\_\_\_\_

### SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	8/7/53	8/9/53	8/11/53	8/12/53
Acid Used Size Shot	300 Gals. Qts.	600 Gals. Qts.	500 Gals. Qts.	800 Gals. Qts.
Shot Between	3645' Ft. and 3649' Ft.	3645' Ft. and 3649' Ft.	3632' Ft. and 3641 1/2' Ft.	3632' Ft. and 3641 1/2' Ft.
Size of Shell				
Put in by (Co.)	Dowell Inc.	Dowell Inc.	Dowell Inc.	Dowell Inc.
Length anchor				
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

### SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Topeka Lime	3085'						
Heebner Shale	3312'						
Toronto Lime	3330'						
Lansing Lime	3354'						
Conglomerate	3619'						
Rampson Shale	3628'						
Arbuckle Lime	3632'				3640' 3643'	Good oil stain & sat.	
					3648' 3649'	Poor spotted por. & sat.	

### CLEANING OUT RECORDS

	DATE COMMENCED	DATE COMPLETED	PROD. BEFORE	PROD. AFTER	REMARKS
1st					See Reverse for other details.
2nd					" " " " "
3rd					" " " " "
4th					" " " " "

### PLUGGING BACK AND DEEPENING RECORDS

	Date Commenced	Date Completed	No. Feet Plugged Back or Deepened	Prod. Before	Prod. After	REMARKS
1st						See Reverse for other details.
2nd						" " " " "
3rd						" " " " "
4th						" " " " "

(See Reverse for Record of Formation)

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil, rock and clay	0	190	
Clay and sand	190	710	
Sand and shale	710	1270	
Red bed and shale	1270	1350	
Shale and sand	1350	1408	
Anhydrite	1408	1418	<b>TOP ANHYDRITE 1408'</b>
			Set and cemented 1363' of 8-5/8" OD, 28 3/4" ID, R-1, L.W. steel casing (C cond.); and 65' of 8-5/8" OD, 32 3/4" ID, R-1, L.W. steel casing (C cond.) at 1418' with 500 sacks of regular cement and 2% aquagal, followed by 100 sacks of regular cement with 2% calcium chloride. Cement circulated.
Anhydrite	1418	1455	
Shale and bed	1455	1550	
Shale	1550	1775	
Shale and shells	1775	2095	
Shale	2095	2280	
Lime and shale	2280	2545	
Shale	2545	2875	
Shale and lime	2875	3230	<b>TOP TOPERA LIME 3085' SLM</b>
Lime	3230	3355	<b>TOP HENRIETTA SHALE 3312' SLM</b>

FORMATION	TOP	BOTTOM	REMARKS
Lime and shale	3355	3495	<b>TOP CONGLOMERATE 3619' SLM</b>
Lime	3495	3626	
Fine grained, porous oil sand with opaque to translucent chert	3626	3630	Oil stained, fair porosity
Lime	3630	3640	<b>TOP SIMPSON SHALE 3628' SLM</b>
Gray, finely crystalline to cherty dolomite	3640	3648	<b>TOP ARBUCKLE LIME 3632' SLM</b>

Set and cemented 5 1/2" OD, 17 1/2" ID, R-1, South Chester L.W. steel casing (A cond.) at 3645' SLM with 250 sacks of cement and 2% aquagal. Finished cementing at 8:00 p.m. 7/26/53. Halliburton temperature survey showed top of cement behind 5 1/2" casing at 2465'.

FORMATION	TOP	BOTTOM	REMARKS
Ray to brown, fine crystalline dolomite	3648	3649	Poor spotted porosity and saturation. Bailed and tested 2 hours, 5 gallons of oil and no water per hour. Ran Lane-wells Gamma Ray survey which accounts for SLM of formation tops, also SLM on casing point.

On August 7, ran 2" tubing and treated with 300 gallons of Dowell "IX-32 W-17" acid as follows:

**ACID TREATMENT NO. 1 - Between 3645' and 3649'**

Treatment put in 8/7/53 by Dowell Inc. using 300 gallons of acid and 101 barrels of oil to fill and flush hole.

TIME	REMARKS	OF	TP	REMARKS	DATE COMPLETED	DATE COMMENCED
10:14 pm		100	0	Filled hole with 94 barrels of oil		
10:19 pm		150	0	300 gallons of acid in tubing		
10:23 pm				Acid on bottom, start flush		
12:27 am		275	200	42 gallons acid in formation		
1:27 am		275	200	63 gallons of acid in formation		
2:27 am		275	200	120 gallons of acid in formation		
3:27 am		275	200	189 gallons of acid in formation		
4:27 am		250	200	273 gallons of acid in formation		
5:20 am		200	200	500 gallons of acid in formation Flushed with 7 barrels of oil		

Swabbed through 2" tubing 2 hours, 50 barrels of oil used in treating. Ran rods and POB 22 hours, 55 barrels of oil and no water. On August 9, pulled rods and reacidized with 600 gallons of Dowell "IXF-32 W-17" acid as follows:

ACID TREATMENT NO. 2 - Between 3645' and 3649'

Treatment put in 8/9/53 by Dowell Inc., using 600 gallons of acid and 84½ barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
2:13 pm	500	500	Filled hole with 70 barrels of water
2:15 pm	300	300	Start acid in tubing
2:26 pm	350	0	Acid on bottom
2:39 pm	150	Vac.	Start flush
2:43 pm	600	400	84 gallons of acid in formation
2:46 pm	350	200	262 gallons of acid in formation
2:53 pm	375	375	600 gallons of acid in formation Flushed with 14½ barrels of oil

Swabbed through 2" tubing 2 hours, 50 barrels of oil used in treating. Ran rods and POB 6 hours, 22 barrels of oil used in treating. Then POB 6 hours, 16 barrels of oil and 1½ barrels of water. On August 10, pulled tubing and rods, and set Baker bridging plug at 3642'. Swabbed and bailed the hole dry and 5½" casing tested dry.

Perforated 5½" casing from 3632' to 3641½' with 85 holes by Lane-Wells. Bailed and tested 2 hours, 51 gallons of oil per hour, no water. On August 11, ran 2" tubing and treated through perforations with 500 gallons of Dowell "IXF-32 W-17" acid as follows:

ACID TREATMENT NO. 3 - Between 3632' and 3641½'

Treatment put in 8/11/53 by Dowell Inc., using 500 gallons of acid and 91 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
2:04 pm	200		Filled hole with 79 barrels of oil, start acid
2:10 pm	200		Start flush
2:20 pm	150	0	Acid on bottom, close casing
2:30 pm	150	Vac.	31 gallons of acid in formation
3:00 pm	100	Vac.	250 gallons of acid in formation
3:15 pm	50	Vac.	290 gallons of acid in formation
3:30 pm	0	Vac.	370 gallons of acid in formation
3:45 pm	Vac.	Vac.	420 gallons of acid in formation
3:50 pm	200	200	500 gallons of acid in formation Flushed with 12 barrels of oil

Swabbed through 2" tubing 2 hours, 40 barrels of oil used in treating, no water. Ran rods and POB 10 hours, 82 barrels of oil and 4 barrels of water. On August 12, POB 5 hours, 22 barrels of oil and trace of water. Pulled rods and treated with 800 gallons of Dowell "IXF-32 W-17" acid as follows:

ACID TREATMENT NO. 4 - Between 3632' and 3641½'

Treatment put in 8/12/53 by Dowell Inc., using 800 gallons of acid and 93 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
4:00 pm	300	300	Filled hole with 79 barrels of oil, start acid
4:09 pm	300	200	Acid on bottom
4:14 pm	450	200	Start flush
4:25 pm	500	500	800 gallons of acid in Flushed with 14 barrels of oil

Swabbed through 2" tubing 2 hours, 36 barrels of oil used in treating with trace of water. Ran rods and POB 6 hours, 66 barrels of oil used in treating with trace of water. On August 13, POB 24 hours, 105 barrels of oil and 34 barrels of water. On August 14, pulled rods and tubing and drove Baker bridging plug from 3642' to 3649'. Bailed and cleaned up hole and ran 2" tubing and rods. POB 2 hours, 21 barrels of oil showing 3% water.

Installed regular surface pumping equipment and on August 18, POB 1½ hour, 7 barrels of oil. On August 19, POB 8 hours on physical potential test, 60.25 barrels of oil to establish 24 hour State Corporation Commission potential of 181 barrels. This potential allows 25 barrels per day for the remainder of August, 1953.

SLOPE TEST DATA: Tests were taken at 500', 1000', 1500', 2000', 2500', 3000', 3500', with no deviation from vertical noted.



## PLUGGING BACK RECORD (Test Conglomerate, Topeka, Toronto)

Date Commenced: May 13, 1960  
Date Completed: May 31, 1960

Plugged Back from 3649' to 3114' PB 1D-3114'

Production Before: 3 barrels of oil and 32 barrels of water  
Production After: POB 24 hours, 4 barrels of oil and 69 barrels water

## 5½" Casing Perforations Open:

Above PB TD: 3102'-3110' with 32 holes

Below PB TD: 3330'-3333'/12 holes, 3337'-3343'/24 holes, and  
3622'-3626'/16 holes

Producing Formation: Topeka Lime

Moved in and rigged up cable tools of W. L. Copeland Drilling Company on May 13, 1960. Pulled rods and 2" tubing. Ran 2" tubing and set DM retainer at 3610'. Pressured annulus to 500#, input below retainer 5 barrels of water per minute at 300#. Cemented off Arbuckle Lime with 150 sacks of special oil well Pozmix cement, estimated 125 sacks below retainer at 2000#-TP. Reversed out estimated 25 sacks of cement. Pulled 2" tubing and shut down for cement to set.

On May 15, swabbed and bailed the hole dry to top of DM retainer at 3610' and 5½" casing tested dry. Drilled out DM retainer at 3610' and drilled cement plug to 3627' and 5½" casing tested dry.

PERFORATION JOB NO. 3 - Conglomerate - 3622'-3626'

5½" casing perforated by Lane-Wells with 4 holes per foot:

3622'-3626' - 4' - 16 A-2 holes

Tested dry. Ran 2" tubing and set Halliburton RTTS packer at 3600'. Filled hole and pressured annulus to 500#, used 18 barrels of oil for input, well took 3 barrels per minute at 3200#. Ran Halliburton Acid-Frac as follows:

TREATMENT NO. 7 - (Acid-Frac) - 3622'-3626'

Used 150 gallons of Halliburton MCA acid  
1500 gallons Halliburton gelled acid  
1500# of sand  
25 barrels of oil to flush  
Maximum TP-3500#, minimum TP-2300#  
Time 60 minutes  
Injection rate: 4 barrels per minute

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MAY 26 1960  
CONSERVATION DIVISION  
Topeka, Kansas

Pulled 2" tubing and packer, bailed and cleaned up hole; then swabbed through 5½" casing 6 hours, 43 barrels of oil and 62 barrels of water used in treating. Swabbed and bailed 5½ hours, 1 barrel of heavy dark oil and 15 barrels of water.

Set Lane-Wells bridging plug at 3355'.

PERFORATION JOB NO. 4 - Toronto Lime - 3330'-3343'

5½" casing perforated with 4 holes per foot by Lane-Wells:

3330'-3333' - 3' - 12 A-2 holes

3337'-3343' - 6' - 24 A-2 holes - No shows

TREATMENT NO. 8 - (Acidize) - 3330'-3343'

5/18/60 treated through 5½" casing with 500 gallons 15% acid by Halliburton, followed with 30 nylon rubber coated balls, followed with 500 gallons of 15% NE acid, flushed with 78 barrels of oil, maximum CP-750#, time 17 minutes.

Swabbed through 5½" casing 4 hours, 78 barrels of oil used in treating with trace of water. Then swabbed through 5½" casing 10 hours, 23 barrels of water with show of oil.

Set Lane-Wells bridging plug at 3140'.

PERFORATION JOB NO. 5 - Topeka Lime - 3102'-3123'

5½" casing perforated with 4 A-2 holes per foot by Lane-Wells:

3118'-3123' - 5' - 20 holes - No shows

3102'-3110' - 8' - 32 holes - No shows

TREATMENT NO. 9 - (Acidize) - 3102'-3123'

5/19/60 300 gallons Halliburton 15% penetrating NE acid, followed with 200 gallons 15% gelled acid, 40 nylon rubber coated balls, followed with 300 gallons 15% penetrating NE acid, flushed with 78 barrels of oil, maximum CP-900#, time 47 minutes, Vacuum in 30 minutes.

Swabbed through 5 1/2" casing 4 hours, 78 barrels of oil used in treating with show of water. Then swabbed 10 hours, 5 barrels of oil and 95 barrels of water (last 5 hours, 6.9 barrels fluid per hour, 5% oil). On May 20, swabbed 4 hours, 1.90 barrels of oil and 36.10 barrels of water.

Ran 2" tubing with Halliburton straddle packers. Set bottom packer at 3134', top packer at 3114'. Swabbed through 2" tubing 6 hours, 1 1/2 barrels of oil and 59 1/2 barrels of water.; then swabbed through 2" tubing 2 hours, 3 1/2 barrels of fluid per hour (2% oil).

Reset packers with bottom packer at 3116', top packer at 3096'. Swabbed through 2" tubing 1 hour, 10 barrels of fluid (trace of oil). Then swabbed 4 hours, 4 1/2 barrels of fluid per hour (trace of oil).

Pulled tubing and packers, and ran 2" tubing and rods. POB 5 hours, trace of oil and 35 barrels of water. On May 23, POB 8 hours, 1 1/2 barrels of oil and 64 barrels of water. Pulled rods and 2" tubing and plugged back with sand from 3140' to 3125'. Plugged back with 30 gallons of Dowell Cement from 3125' to 3114'.

PLUGGED BACK TOTAL DEPTH 3114"

Swabbed and bailed the hole dry, fluid used in plugging back; then bailed 10 hours, 15 gallons of water per hour with trace of oil.

TREATMENT NO. 10 - (Acidize) - 3102'-3123'

5/26/60 treated by Halliburton through 5 1/2" casing with 250 gallons of Halliburton 15% penetrating NE acid, flushed with 73 barrels of water, maximum CP-200, broke to Vacuum, time 13 minutes.

Swabbed through 5 1/2" casing 3 hours, 73 barrels of water used in treating. Then swabbed 15 hours, 2 barrels of oil and 50 barrels of water.

Ran 2" tubing and rods and on May 27, POB 12 hours, 4 barrels of oil and 62 barrels of water. On May 28, POB 24 hours, 4 barrels of oil and 71 barrels of water. On May 29, POB 24 hours, 4 barrels of oil and 68 barrels of water. On May 30, POB 24 hours, 4 barrels of oil and 70 barrels of water. On May 31, POB 24 hours, 4 barrels of oil and 69 barrels of water.

*[Handwritten signature]*

*[Faint background text and markings, including "MADE IN U.S.A." and "Union Carbide"]*

# SKELLY OIL COMPANY

## 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 Esther Jensen WELL NO. 1 DISTRICT Western Kansas  
 SEC. 34 T. 11S R. 19W COUNTY Ellis AFE NO. 6413  
 BLOCK \_\_\_\_\_ SURVEY \_\_\_\_\_ STATE Kansas

### TYPE OF WORK PLUGGING RECORD

Date commenced September 21, 1960 Date completed September 24, 1960  
 Deepened from \_\_\_\_\_ to \_\_\_\_\_ Total Depth \_\_\_\_\_  
 Plugged back from 3114' to surface P.B.T.D. \_\_\_\_\_  
 Cleaned out from \_\_\_\_\_ to \_\_\_\_\_  
 Production before 1.67 bbls. oil 40 bbls. water \_\_\_\_\_ cu. ft. gas.  
 Production after \_\_\_\_\_ bbls. oil \_\_\_\_\_ bbls. water \_\_\_\_\_ cu. ft. gas.  
 Tools owned by: Ice Pipe Pulling Company Kind used: Hydr. jacks No. days rig time: 16 hrs.  
 Cost of Job \$ \_\_\_\_\_ Revised Estimated Payout (Mos.) \_\_\_\_\_

### TREATMENT RECORD

DATE	TYPE TREATMENT	INTERVAL TREATED	AMOUNT OF TREATMENT

### CHANGES IN CASING RECORD

STRINGS	SIZE	WHERE SET (Depth)	CEMENTING RECORD		REMARKS
			Sacks Used	Top Cem't. Bh'd. Cas'g.	
Production					
Liner					Top liner;

SIZE	WT.	THDS.	KIND	COND.	LEFT IN					PULLED OUT								
					Jts.	Feet	LTM	In.	Feet	WTM	In.	Jts.	Feet	LTM	In.	Feet	WTM	In.
5-1/2"	177	8R	W1 LW		32	1195	0	1208	9	105	2450	0	2477	0				

### PRODUCING FROM

FORMATION \_\_\_\_\_ thru OPEN HOLE PERFORATIONS TOP \_\_\_\_\_ BOTTOM \_\_\_\_\_ Total No. Shots \_\_\_\_\_

REMARKS (Give review of work performed and any other comment of interest)  
As all probable productive zones have been tested and the present production does not merit continued operation of the well, regular authority was granted to plug and abandon the well.

On September 21, 1960, commenced plugging the well as follows:

Sand 3114' to 2849'  
 4 sacks of cement 2849' to 2817'

Shot off 5 1/2" casing at 2450'. Pulled 2477' of 5 1/2" casing.

Mud 2817' to 600'  
 20 sacks of cement 600' to 540'  
 Mud 540' to 200'  
 20 sacks of cement 200' to 35'  
 Rock bridge 35' to 30'  
 10 sacks of cement 30' to 6'  
 Surface soil 6' to Surface

Plugged and abandoned September 24, 1960.