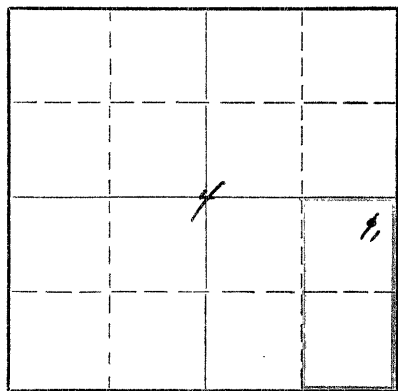


STATE OF KANSAS  
STATE CORPORATION COMMISSION

Give All Information Completely  
Make Required Affidavit  
Mail or Deliver Report to:  
Conservation Division  
State Corporation Commission  
800 Bittling Building  
Wichita, Kansas

WELL PLUGGING RECORD

NORTH



Locate well correctly on above  
Section Plat

Rooks County. Sec. 4 Twp. 9S Rge. (E) 18 (W)  
Location as "NE/CNW/SW" or footage from lines NE/4 NE/4 SE/4  
Lease Owner Skelly Oil Company  
Lease Name J. W. Yohe Well No. 1  
Office Address Box 1650, Tulsa, Oklahoma  
Character of Well (completed as Oil, Gas or Dry Hole) Oil  
Date well completed July 6, 1949  
Application for plugging filed March 7, 1952  
Application for plugging approved March 8, 1952  
Plugging commenced April 21, 1952  
Plugging completed April 24, 1952  
Reason for abandonment of well or producing formation Depleted oil well

If a producing well is abandoned, date of last production March 13, 1952  
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. Eldon Petty  
Producing formation Lansing Lime Depth to top 3182 Bottom 3275 Total Depth of Well 3467 Feet  
Show depth and thickness of all water, oil and gas formations. PB 3277

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Lansing Lime	Oil	3182'	3275'	8-5/8"	1364' 11"	None
				5-1/2"	3488' 6"	2320' 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.

143 sacks of cement	3277' to 3106'
Mud laden fluid	3106' to 300'
15 sacks of cement	300' to 250'
Mud laden fluid	250' to 25'
10 sacks of cement	25' to 6'
Surface soil	6' to 0'

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

Name of Plugging Contractor Skelly Oil Company  
Address Box 1650, Tulsa, Oklahoma

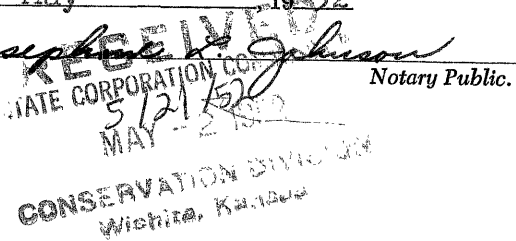
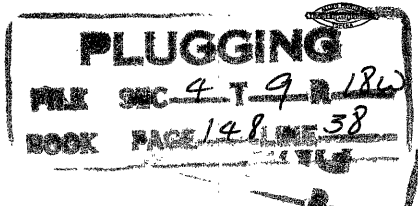
STATE OF Kansas, COUNTY OF Reno, ss.  
H. E. Wamsley (employee of owner) or (owner or operator) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the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

(Signature) \_\_\_\_\_  
Box 391, Hutchinson, Kansas  
(Address)

SUBSCRIBED AND SWORN TO before me this 1st day of May 1952

My commission expires April 7, 1955

24-2675-S 2-52-20M



# 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 J. W. Yobe (Rooks County, Kans.) WELL NO. 1

CLEANING OUT RECORD				PLUGGING BACK OR DEEPENING RECORD			
Date commenced..... 19.....				Date commenced..... <u>March 14,</u> 19 <u>52</u>			
Date completed..... 19.....				Date completed..... <u>April 24,</u> 19 <u>52</u>			
Cleaned out from..... to..... T. D.....				Plugged back or deepened from <u>3277'</u> to <u>0'</u> T.D. <u>P. A. A.</u>			
Prod. before.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....	Prod. before.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....
Prod. after.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....	Prod. after.....	bbls. oil.....	bbls. water.....	cu. ft. gas.....
Kind of tools used:.....				Kind of tools used: <u>Pulling Unit</u>			
Tools owned by:.....				Tools owned by: <u>Skelly Oil Company</u>			

### SHOT RECORD

Date	Size shot	Shot between	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
<u>5 1/2" OD</u>	<u>15</u>	<u>ER</u>	<u>3466'</u>	<u>60</u>	<u>2320</u>	<u>0</u>	<u>30</u>	<u>1160</u>	<u>6</u>	<u>J55 R223</u>	<u>C</u>		

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

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

REMARKS (Give review of work accomplished and any other comment of interest) On March 14, 1952, pulled rods and tubing. Ran 2" tubing with Halliburton DM tool and set tool at 3106'. Cemented off perforations in 5 1/2" casing from 3102'-87', 3196'-3201', 3261'-66', and 3270'-75' with 150 sacks of common cement (estimated 143 sacks below tool) at 1000# pressure. Reversed out 7 sacks of cement and pulled 2" tubing.

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

**PLUGGING**  
 FILE SEC 4 T 9 R 18  
 BOOK PAGE 48 LINE 38

Superintendent.

REMARKS (Continued) Perforated 5½" casing at 2400' with 1 hole, input 1 barrel per minute at 800#; perforated at 2300' with 1 hole, input 1 barrel per minute at 800#; perforated at 2200' with 6 holes, got circulation back of 5½" casing. Spotted 70 barrels of oil and shut down for plugging machine from March 16 to April 21.

On April 21, rigged up pulling unit, ran McCullough magnetometer and found 5½" casing loose to 2305'. Cut 5½" casing at 2295' with McCullough jet casing cutter and pulled 60 joints (2320') of 5½" OD, 19.5#, 8R thd., R-2 & 3, J-55, C.S. (C cond.) casing. Plugged the well as follows:

#### RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
			Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Mud laden fluid		3106'	to 300'
15 sacks of cement		300'	to 250'
Mud laden fluid		250'	to 25'
10 sacks of cement		25'	to 6'
Surface soil		6'	to 0'

Plugged and abandoned April 24, 1952.

# 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 J. V. Tohn WELL NO. 1

CLEANING OUT RECORD				PLUGGING BACK OR DEEPENING RECORD			
Date commenced.....	19			Date commenced.....	19	<u>50</u>	
Date completed.....	19			Date completed.....	19	<u>50</u>	
Cleaned out from.....	to.....	T. D.....		Plugged back or deepened from.....	to.....	T. D.....	
Prod. before.....	oil.....	bbls. water.....	cu. ft. gas.....	Prod. before.....	oil.....	bbls. water.....	cu. ft. gas.....
Prod. after.....	oil.....	bbls. water.....	cu. ft. gas.....	Prod. after.....	oil.....	bbls. water.....	cu. ft. gas.....
Kind of tools used:.....				Kind of tools used:.....	<u>Cable</u>		
Tools owned by:				Tools owned by:	<u>Flournoy Drig. Company</u>		

**ACID SHOT RECORD** Prod. From: Lancing Line

Date	6/16/50	6/19/50	6/22/50	
Size shot	<u>1000 gals. <del>oz</del></u>	<u>850 gals. <del>oz</del></u>	<u>750 gals. <del>oz</del></u>	Qts.
Shot between	<u>3261 Ft. and 3266 Ft.</u>	<u>3182 Ft. and 3187 Ft.</u>	<u>3270 Ft. and 3275 Ft.</u>	Ft. and Ft.
Size of shell		<u>3196' 3201'</u>		<b>For remaining</b>
Put in by (Co.)	<u>Halliburton</u>	<u>Halliburton</u>	<u>Halliburton</u>	<b>treatments see</b>
Length anchor				<b>remarks</b>
Distance below casing				
Damage to casing or casing shoulder				

### CHANGES IN CASING RECORD

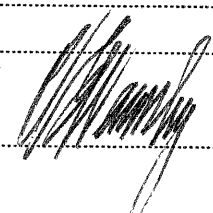
SIZE	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING		
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed	
<u>(5 1/2" OD casing perforated from 3182'-87' with 42 holes, 3196'-3201' with 42 holes, 3261'-66' with 45 holes, 3270'-75' with 45 holes)</u>														

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

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

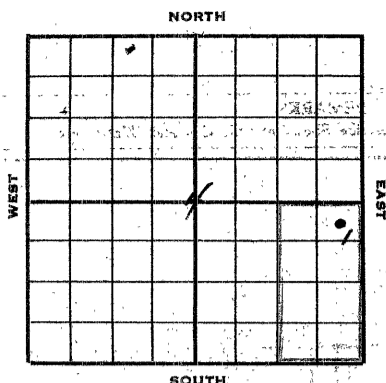
REMARKS (Give review of work accomplished and any other comment of interest) .....

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



Superintendent.

# SKELLY OIL COMPANY



## Well Record

Lease Name and No. J. S. Taha 334286 Well No. 1 Elev. 1996'  
 Lease Description 1/2 Sec 4 Section 4-23-18N,  
Rock County, Kansas  
 Location made May 22, 19 49 by P. J. Sussen  
330 feet from North line 330 feet from East line 33/4  
330 feet from South line 330 feet from West line of Sec. 4

Work com'd. 5/23 19 49 Rig comp'd. 9/24 19 49 Drlg. com'd. 5/24 19 49 Drlg. comp'd. 6/6  
 Rig Contractor Claude Wentworth Drilling Co., Inc.  
 Drilling Contractor Claude Wentworth Drilling Co., Inc., Tulsa, Oklahoma  
 Rotary Drilling from Top to 3467' Cable Tool Drilling from To complete to   
 Commenced Producing July 6, 19 49 Initial Prod. before shot or acid Show of oil  
 Initial Prod. after shot or acid 700 b bls. 29.02.40  
 Dry Gas Well Press. \_\_\_\_\_ Volume \_\_\_\_\_  
 Casing Head Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_  
 Braden Head (6-3/8" 231" 00) Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_  
 Braden Head ( \_\_\_\_\_ ) Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_

PRODUCING FORMATION Leaning Line (Name) Top 3213' Bottom 3260' TOTAL DEPTH 3467'

### 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
6-5/8"	287	BR					27	542	11	H40 R2 R2W A			
6-5/8"	327	BR	1337				17	322	0	H33 R2 R2W A	330	Halliburton	
5-1/2"	232	BR	3466				90	3488	6	H33 R2A3 BR A	200	Halliburton	
(6-5/8" casing set 6' in collar and 3/4" used to derrick floor)													
(5-1/2" casing perforated from 3491'-331' with 36 holes; 3231'-40' with 81 holes; 66 holes from 3213'-231')													
Used 1 - 3/8" OD Lamin 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	6/29/49	7/1/49	7/5/49	7/9/49
Acid Used	300	300	300	1000
Size Shot	300	300	300	1000
Shot Between	3447 Ft. and 3453 Ft.	3449 Ft. and 3453 Ft.	3231 Ft. and 3260 Ft.	3213 Ft. and 3223 Ft.
Size of Shell				
Put in by (Co.)	Dowell Inc.	Dowell Inc.	Dowell Inc.	Dowell Inc.
Length anchor	"17-18" 8-17"	"17-18" 8-17"	"17-18"	"17-18"
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

### SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Hudson shale	3140'						
Toronto lime	3162'				3162'	3167'	Fair oil saturation
Leaning Line	3179'				3213'	3223'	Fine-point pay, fair oil
					3231'	3267'	Fair pay, fair to poor
Conglomerate	3436'						
Artificial Line	3464'						

### CLEANING OUT RECORDS

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

(See Reverse for Record of Formation)

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil and sand	0	100	
Shale and sandstone	100	400	
Shale and shells	400	900	
Shale	900	1075	
Shale and shells	1075	1357	
Hydrate	1357	1376	
<p>Sept 7-7/8" hole to 1376'</p>			
Hydrate	1376	1390	
Shale	1390	1400	
Shale and shells	1400	1510	
Shale	1510	1770	
Shale	1770	1850	
Shale	1850	2000	
Carbon lime	2000	2355	
Shale	2355	2475	
Lime and shale	2475	3045	
Lime	3045	3270	

TOP CRUSTALITE 1162'  
 Set and cemented 5 1/2" OD, 13 1/2' on, 2 1/2" on thd., 2-40, 2-2, 2-1, 2-1, steel casing and 3 1/2" OD, 2-1/2" on, 2 1/2" on thd., 2-35, 2-2, 2-2, 2-2, steel casing at 1376' with 200 sacks of cement and 4 sacks of squagol.

(3121'-17' fine crystalline lime, fair porosity and saturation)  
 TOP CRUSTALITE 3140'  
 TOP CRUSTALITE 3141'  
 (3141'-5' fine crystalline lime, fair porosity and saturation)  
 TOP CRUSTALITE 3141'  
 (3141'-23' fine crystalline lime, fair porosity and saturation)  
 (3141'-47' fine crystalline lime, streaks of fair porosity and saturation; 3141'-16' same w/ fair porosity and light spotted saturation)  
 Log Halliburton drill stem test w/ pump set at 3246', open 30 minutes, recovered 170' of salt water w/ heavy oil stain, 2HP-1300'.

Lime	3270	3414	
Lime and shells	3414	3450	
Lime	3450	3464	

TOP CRUSTALITE 3456'  
 TOP CRUSTALITE 3456'  
 TOP CRUSTALITE 3456'

Light grey to buff coarsely crystalline to dense dolomite	3464	3467	
---	------	------	--

No shows  
 Set and cemented 5 1/2" OD, 13 1/2' on thd., 2-24, 2-35, 2-1, 2-1, 2-1, steel casing at 3464' with 200 sacks of cement and 4 sacks of squagol. Finished cementing at 10:30 p.m. 6/6/49.

Moved in and rigged up cable tools on June 20. Bailed the hole dry and 4" casing tested OK. Drilled cement plug to 3458' and perforated 5 1/2" casing from 3437' to 3433' with 36 holes by Lane-Wells, no shows. Treated with 300 gallons of Dowell "XRF-17" acid as follows:

Treatment No. 1 - Between 3445' and 3433'  
 Treatment put in 6/17/49 by Dowell Inc., using 300 gallons of acid and 64 barrels of oil to fill hole.

TIME	REMARKS
1:00 pm	Ran bailer of acid to bottom
1:45 pm	Bailed acid out
1:55 pm	Start acid down casing
1:00 pm	acid in, start oil
1:25 pm	Filled hole with 64 barrels of oil
1:45 pm	start pump
1:50 pm	1000'
1:00 pm	1000'
1:00 pm	1000'
1:30 pm	1000'

No acid displaced, swabbed and bailed out acid. Formation would not take acid, and after 11 hours circulated out acid. On June 30, ran 1" tubing and reacidified with 300 gallons of Dowell "XRF-17" acid as follows:

Treatment No. 2 - Between 3442' and 3433'  
 Treatment put in 7/1/49 by Dowell Inc., using 300 gallons of acid and 64 barrels of oil to fill hole and flush.

TIME	REMARKS
2:15 pm	Filled hole with 64 barrels of oil
2:12 pm	Start acid
2:55 pm	acid on bottom
1:30 pm	1000'
1:45 pm	1050'
2:10 pm	1000'
2:15 pm	1100'

Unable to seat below 300' in 2" tubing to bad joint at that point. Pulled and reran tubing and rods and PGB 4 hours, 30 barrels of oil and no water. Well would not pump properly. Pulled rods and scrubbed through tubing 3 hours, 15 barrels of oil with trace of water. Pulled tubing and bailed hole dry, set Lane-wells bridging plug at 3280' and perforated 3/4" casing from 3251' to 3260' with 81 holes, no shows. Ran 2" tubing and treated with 500 gallons of Dowell "12-18" acid as follows:

**ACID TREATMENT NO. 3 - Between 3251' and 3260'**

Treatment put in 7/5/49 by Dowell Inc., using 500 gallons of acid and 86 barrels of oil to fill and flush hole.

TIME	OP	IP	REMARKS
7:45 pm			Filled hole with 74 barrels of oil
7:51 pm			Start acid
10:05 pm	200	0	Acid on bottom
10:17 pm	450	300	42 gallons of acid in formation
10:26 pm	600	300	230 gallons of acid in formation
10:35 pm	500	500	500 gallons of acid in formation
10:39 pm	700	700	Flushed hole with 12 barrels of oil and treatment completed.

Scrubbed through 2" tubing 3 hours, 29 barrels of oil and no water. On July 6, scrubbed through tubing 3 hours, 45 barrels of oil and no water. Scrubbed 4 hours, 28 barrels of oil and 5 barrels of water. Ran rods and PGB 8 hours, 64 barrels of oil and 36 barrels of water. On July 7, PGB 12 hours, 123 barrels of oil and 31 barrels of water.

On July 8, pulled rods and tubing and found 760' of fluid in hole. Perforated 3/4" casing by Lane-wells from 3215' to 3223' with 66 holes, no increases. Ran 2" tubing with Lane-wells hook wall packer and set packer at 3230'. Treated with 1000 gallons of Dowell "12-18" acid as follows:

**ACID TREATMENT NO. 4 - Between 3215' and 3223'**

Treatment put in 7/9/49 by Dowell Inc., using 1000 gallons of acid and 67 barrels of oil to fill hole and flush.

TIME	OP	IP	REMARKS
10:45 am			Filled hole with 54 barrels of oil
11:30 am			Start acid
11:35 am	300	0	Acid on bottom
12:15 pm	850	550	42 gallons of acid in formation
12:20 pm	800	500	120 gallons of acid in formation
12:30 pm	675	375	460 gallons of acid in formation, start flush
12:45 pm	200	200	1000 gallons of acid in formation Flushed hole with 13 barrels of oil and treatment completed

Scrubbed through 2" tubing 7 hours, 49 barrels of oil and no water. Ran rods and PGB 6 hours, 24 barrels of oil and 5 barrels of water. On July 10, PGB 24 hours, 58 barrels of oil and 18 barrels of water.

Pulled rods and tubing and removed packer, reran tubing and rods on PGB 8 hours, 37 barrels of oil and 11 barrels of water. On July 12, PGB 19 hours, 68 barrels of oil and 22 barrels of water.

On July 13, PGB 8 hours on physical test, 29.02 barrels of oil and 6 barrels of water to establish 24 hour State Corporation Commission potential of 37 barrels. This potential allows 25 barrels per day for the remainder of July, 1949.

TOTAL DEPTH 3467' PD 3250'

SLOPE TEST DATA: Tests were taken at 250' intervals from 250' to 2850' inclusive, with no deviation from vertical noted.

ANALYSIS OF WATER

Shelly Oil Company Laboratories, El Dorado, Kansas

Sample No. C-49-6-23 - From drill stem test taken in Landing Line from 3246'-70'

Sample Received: 6/10/49

	Parts per Million	Grains per Gallon	Percent by Weight
Chlorides expressed as NaCl . . . . .	188,298	11,000	18.8298
Chlorides expressed as Cl. . . . .	114,280	6,672.5	11.4280
<b>Total Solids</b>	<b>263,932</b>	<b>15,418.4</b>	<b>26.4013</b>
Sulphates expressed as CaSO <sub>4</sub> . . . . .	583.06	36.06	.058306
Sulphates expressed as SO <sub>4</sub> . . . . .	411.463	24.833	.041146

Moved in and rigged up cable tools of Flournoy Drilling Company. Pulled rods and tubing and ran Gamma Ray Survey from 3250' to 2500'. Swabbed and bailed hole dry and perforated 5 1/2" OD casing from 3261' to 3266' with 45 holes by Lane-Wells, slight increase in oil. Washed perforations with 100 gallons of acid, using tools, then tested 2 barrels of oil and 3/4 barrel of water per hour. On June 16, ran 2" tubing and treated with 1000 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 5 - Between 3261' and 3266'

Treatment put in 6/16/50 by Halliburton, using 1000 gallons of acid and 108 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
3:25 pm	100	100	Filled hole with 93 barrels of oil
3:30 pm			Start acid
3:34 pm	200	100	Acid on formation
3:38 pm	450	250	1000 gallons acid in
3:39 pm	450	250	Start flush
3:50 pm	500	500	Flushed hole with 15 barrels of oil and treatment completed

Swabbed through 2" tubing 4 hours, 12 barrels of oil and no water. Ran rods and POB 4 hours, 19 barrels of oil and 2 barrels of water. On June 17, POB 20 hours, 12 barrels of oil and 2 barrels of water. On June 18, pulled rods and tubing and set Lane-Wells bridging plug at 3208'. Bailed hole dry, then plugged back with crushed rock from 3208' to 3207'. On June 19, perforated 5 1/2" OD casing from 3196' to 3201' with 42 holes by Lane-Wells, show of oil. Bailed and tested 2 hours, 1/2 barrel of oil and show of water per hour. Perforated 5 1/2" casing from 3182' to 3187' with 42 holes, no increase in fluid. Treated through 5 1/2" casing with 850 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 6 - Between 3182'-87' and 3196'-3201'

Treatment put in 6/19/50 by Halliburton, using 850 gallons of acid and 79 barrels of oil to flush.

TIME	CP	TP	REMARKS
8:35 pm			850 gallons acid in hole, start flush to spot acid
8:55 pm	Vac.		Acid on formation
9:05 pm	Vac.		Finished flush with 19 barrels oil

Swabbed through 5 1/2" casing 6 hours, 35 barrels of oil, trace of water. On June 20, ran 2" tubing and rods and POB 13 hours, 20 barrels of oil and 3 barrels of water. On June 21, pulled rods and tubing and drove Lane-Wells bridging plug from 3207' to 3277' SLM. Bailed hole dry and perforated 5 1/2" casing from 3270' to 3275' with 45 holes, no increase in fluid. Ran 2" tubing and set Baker cement retainer at 3268' and treated through perforations 3270' to 3275' with 750 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 7 - Between 3270' and 3275'

Treatment put in 6/22/50 by Halliburton, using 750 gallons of acid and 19 barrels of oil to flush.

TIME	CP	TP	REMARKS
8:35 pm		Vac.	500 gallons acid on formation
8:53 pm		Vac.	750 gallons acid in hole, start flush
9:04 pm		Vac.	3 barrels oil in hole to flush
9:09 pm		Vac.	Flushed hole with 19 barrels oil

Swabbed through 5 1/2" casing 3 hours, 19 barrels of oil and no water (oil used in treating). Swabbed through casing 1 hour, 4 barrels of oil with trace of water. On June 23, swabbed through 5 1/2" casing 7 hours, 15 barrels of oil and 4 barrels of water. Set Lane-Wells bridging plug at 3176', dumped 2 gallons of crushed rock from 3176' to 3174'. Bailed and tested 1 hour and hole tested dry. Perforated 5 1/2" casing from 3162' to 3170' with 72 holes, no shows. Treated through 5 1/2" casing with 750 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 8 - Between 3162' and 3170'

Treatment put in 6/24/50 by Halliburton, using 750 gallons of acid and 157 barrels oil to fill hole and flush.

TIME	CP	TP	REMARKS
12:25 am			Acid on bottom, start to load hole
12:47 am	500		Filled hole with 77 barrels of oil
2:00 am	1250		20 gallons acid in formation
			Full one bailer acid
2:17 am	725		150 gallons acid in formation
2:20 am	700		350 gallons acid in formation
2:25 am	700		550 gallons acid in formation
2:30 am	700		750 gallons acid in formation
			Flushed with 80 barrels of oil

Swabbed through 5 1/2" casing 5 hours, 80 barrels of oil (used in treating). On June 24, bailed and tested 4 hours, 1 barrel of water per hour, no oil. Ran 2" tubing and set Halliburton cement retainer at 3127' and cemented off perforations from 3162' to 3170' with 75 sacks of cement estimated 67 sacks below retainer. Circulated out estimated 8 sacks of cement and pulled 2" tubing. Swabbed and bailed hole dry, then perforated 3 1/2" casing from 3110' to 3117' with 63 holes by Lane-Wells, no shows. On June 25, treated through 3 1/2" casing with 500 gallons of Halliburton acid as follows:



3117

ACID TREATMENT NO. 9 - Between 3110' and 3117'

Treatment put in 6/25/30 by Halliburton, using 500 gallons of acid and 76 barrels oil to fill hole, and 13 barrels water to flush.

TIME	OF	TP	REMARKS
1:00 pm			Filled hole with 76 barrels of oil
1:15 pm	500		500 gallons acid in hole, start flush to spot acid
1:35 pm	600		Acid on formation, start flush
1:47 pm	500		Start pump Finished flush with 13 barrels water

Swabbed out oil used in treating, then bailed and tested 6 hours, 10 gallons of water and no oil per hour. On June 26, ran 2" tubing and set Halliburton cement retainer at 3086' and cemented off perforations from 3110' to 3117' with 75 sacks of cement at 1500/-TP. Reversed out 7 sacks of cement, pulled tubing, and shut down for cement to set.

On June 26, bailed hole dry, drilled cement plugs and cleaned out to 3277'. On July 1, ran 2" tubing and rods, moved out cable tools and set in pumping unit. FOB 8 hours, 1 barrel of oil and 47 barrels of water. On July 2, shut down to repair engine. On July 3, FOB 19 hours, 16 barrels of oil and 40 barrels of water. On July 4, FOB 24 hours, 17 barrels of oil, 21 barrels of water. On July 5, FOB 24 hours, 18 barrels of oil and 10 barrels of water. On July 6, FOB 24 hours, 15 barrels of oil and 8 barrels of water. On July 7, FOB 15 hours, 15 barrels of oil and 5 barrels of water.

PLUGGED BACK TOTAL DEPTH 3277'