

15-095-00688-0001

see

STATE OF KANSAS  
STATE CORPORATION COMMISSION

Form CP-4

WELL PLUGGING RECORD

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

Kingman County. Sec. 30 Twp. 27S Rge. (E) 10 (W)

Location as "NE/CNW/SW" or footage from lines 930' FNL 440' FWL NW/L

Lease Owner Skelly Oil Company

Lease Name Cunningham "B" Unit Well No. 16

Office Address P. O. Box 649, McCook, Nebr. 69001

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

Date well completed October 16, 19 35

Application for plugging filed April 10, 19 67

Application for plugging approved April 13, 19 67

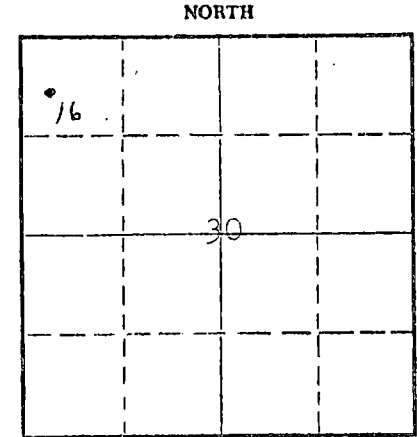
Plugging commenced May 12, 19 67

Plugging completed May 16, 19 67

Reason for abandonment of well or producing formation Depleted - Not needed in waterflood program

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? Yes



Locate well correctly on above Section Plat

Name of Conservation Agent who supervised plugging of this well Mr. A. Elving

Producing formation Depth to top Bottom Total Depth of Well 3635 Feet

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE OD	PUT IN	PULLED OUT
Lansing Lime	Oil	3433'	3587'	12-1/2"	326' 11"	None
				7"	3458' 11"	1577' 6"

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 SLM and found hole filled up to 3100'

Sand	3100' to 3028'
20 sacks of cement	3028' to 2928'
Mud laden fluid	2928' to 275'
Rock bridge	275' to 265'
40 sacks of cement	265' to 205'
Mud laden fluid	205' to 40'
Rock bridge	40' to 30'
15 sacks of cement	30' to Base of cellar
Surface soil	Cellar to Surface

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6-6-67

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

Name of Plugging Contractor Knight Casing Pulling Company  
Address P. O. Box 304, Chase, Kansas 67524

STATE OF Nebraska, COUNTY OF Red Willow, ss. Charles R. Davis (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) Charles R. Davis  
P. O. Box 649, McCook, Nebraska (Address)

SUBSCRIBED AND SWORN TO before me this 7th day of June, 1967

C. E. Lindsey  
Notary Public.

My commission expires COMMISSION EXPIRES JUNE 13, 1969



On March 25, moved in and rigged up cable tools of Flournoy Drilling Company. Pulled 2" tubing and drilled ahead as follows:

Grey lime	3473	3476	
Brown lime	3476	3485	
Grey lime	3485	3487	
Brown lime	3487	3490	
Grey and brown lime	3490	3503	Little saturation and porosity
Grey lime	3503	3528	
Grey lime w/ 60% shale	3528	3531	
Lime	3531	3561	
Shale	3561	3562	
Sandy lime	3562	3565	
Broken lime	3565	3571	
Brown sandy lime	3571	3575	
Grey sandy lime	3575	3580	
Brown oolitic lime	3580	3590	Medium oil saturation, gas increased to 10 MCF
Hard brown lime	3590	3602	
Shale	3602	3603	
Blue shale	3603	3609	
Dark shale	3609	3611	
Soft grey and brown oolitic lime	3611	3613	Porous, slight oil saturation Ran 277' of 5 1/2" OD, 14#, 8rd. thread, Grade H-40, Range 2, Seamless Steel casing liner on 2" tubing, and set liner at 3611', top of liner at 3534', and cemented with 75 sacks of cement. On April 5, bailed hole and tested, and found that cement job did not hold.

On April 6, ran Baker cement retainer on 2" tubing, and set retainer at 3302' with 100 sacks of cement, squeezing 35 sacks behind 5 1/2" liner with TP-1500'. Attempted to reverse circulation to flush out excess cement, but circulating tool failed to open. Tried to back tubing off of tool, and tubing parted 100' from top. Ran 2" tubing spear and recovered 2660' (95 joints) of tubing, leaving 22 joints in the hole. Ran overshot and recovered 12 joints of 2" tubing and found cement in casing to 3002'.

Moved in portable rotary rig on April 10, 1948, and started milling over cement retainer jars. Milled over jars until April 23, when milling tool was pulled and found cement retainer and jars inside of milling tool. Bailed hole dry and drilled cement plug to 3604 1/2'. On April 25, perforated 5 1/2" OD liner by Lane-wells with 58 holes from 3581' to 3590', small show of oil. Ran 2" tubing and treated with 1000 gallons of Dowell "XF-18" acid as follows:

ACID TREATMENT NO. 4 - Between 3581' and 3590'

Treatment put in 4/26/48 by Dowell Inc., using 1000 gallons of acid and 147 barrels of oil to fill hole and to flush.

TIME	CP	TP	REMARKS
1:45 PM	500'	500'	Filled hole with 133 barrels of oil
2:05 PM	500'	150'	600 gallons of acid in hole, on bottom
2:21 PM	300'	Vac.	Start Pump
2:25 PM	700'	350'	730 gallons of acid in hole
2:28 PM	500'	150'	1000 gallons of acid in hole, start flush
2:30 PM	500'	150'	4 1/2 barrels of oil in hole to flush
2:31 PM	500'	150'	9 1/2 barrels of oil in hole to flush
2:32 PM	500'	500'	Flushed hole with 14 barrels of oil and treatment completed

Swabbed out oil used in treating then swabbed through 2" tubing 24 hours, 4 1/2 barrels of oil and 178 barrels of water. On April 29, swabbed through 2" tubing 24 hours, 2 barrels of oil and 124 barrels of water. On April 30, ran 2" tubing with Baker cement retainer and set retainer at 3555' and cemented off perforations from 3581' to 3590' with 140 sacks of cement, maximum TP-2500'.

On May 2, bailed hole dry to top of cement retainer and cement job tested OK. Drilled cement plug and cleaned out to 3615'; correction: 3613' Cable measurement equals 3615' SLM. Drilled ahead as follows:

SLM	3613	3615	
Oolitic lime	3615	3616	Rainbow show of oil
Hard grey lime	3616	3626	
Brown and grey lime	3626	3630	Porous, very small show of oil
Hard grey lime	3630	3635	
TOTAL DEPTH		3635'	

Ran 2" tubing and treated with 2000 gallons of Dowell "XF-18" acid as follows:

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ACID TREATMENT NO. 5 - Between 3611' and 3635'

Treatment put in 5/4/48 using 2000 gallons of acid and 147 barrels of oil to fill hole and to flush.

TIME	OP	FP	REMARKS
12:40 PM	500	500	Filled hole with 132 barrels of oil
12:55 PM	400	150	630 gallons of acid in hole, on bottom
1:20 PM	550	300	1200 gallons of acid in hole
1:25 PM	500	250	1500 gallons of acid in hole
1:30 PM	400	150	1900 gallons of acid in hole
1:32 PM	400	100	2000 gallons of acid in hole, start flush
1:37 PM	375	175	6 barrels of oil in hole to flush
1:41 PM	325	325	Flushed hole with 15 barrels of oil and treatment completed

Swabbed out oil used in treating, then swabbed through 2" tubing 24 hours, 29 barrels of oil and 68.75 barrels of water. On May 7, swabbed through tubing 24 hours, 12 barrels of oil and 34 barrels of water. On May 8, swabbed 24 hours, 3 barrels of oil and 15 barrels of water. On May 9, swabbed through tubing 12 hours, 1 1/2 barrels of oil and 10 barrels of water. Pulled 2" tubing and set Lane-wells bridging plug at 3599'. Bailed hole dry and plug tested OK. Perforated 5 1/2" casing by Lane-wells with 24 holes from 3581' to 3584'. Ran 2" tubing and on May 11, tried to acidize with 500 gallons of Dowell "XF-18" acid. Held pressure on casing 7 hours and formation would not take acid. Reversed circulation and acid out of hole. Swabbed hole dry and on May 11, tried to treat with 500 gallons of Dowell "XF-18" acid and formation would not take acid after holding pressure on casing 5 hours. Pulled tubing and perforated 5 1/2" casing by Lane-wells from 3583' to 3587' with 24 holes, no shows. Ran 2" tubing and attempted to acidize with 500 gallons of Dowell "XF-18" acid. Held pressure on casing 8 hours, then circulated acid out of hole. On May 12, swabbed hole clean then tried to acidize with 500 gallons of Dowell "XF-18" acid. Held pressure (1500') on casing 10 hours and formation would not take acid.

Swabbed hole clean, pulled 2" tubing and perforated 5 1/2" casing from 3463' to 3470' with 48 holes by Lane-wells, no shows. Ran 2" tubing and on May 14, treated with 1000 gallons of Dowell "XF-18" acid as follows:

ACID TREATMENT NO. 6 - Between 3463' and 3470'

Treatment put in 5/14/48 by Dowell Inc., using 1000 gallons of acid and 144 1/2 barrels of oil to fill hole and to flush.

TIME	OP	FP	REMARKS
7:25 AM	100	100	Filled hole with 130 barrels of oil
7:35 AM	500	300	600 gallons of acid in hole, on bottom
8:04 AM	0	Vac.	1000 gallons of acid in hole, start flush
8:10 AM	Vac.	Vac.	Flushed hole with 14 1/2 barrels of oil and treatment completed

Swabbed through 2" tubing 24 hours, 3 barrels of oil and 27 barrels of water. Pulled 2" tubing and set Lane-wells bridging plug at 3455', bailed hole dry and perforated 5 1/2" casing liner by Lane-wells with 48 holes from 3437' to 3445', small show of gas and hole filled 300' with oil and water in 30 minutes. Bailed and tested 14 hours, 4 barrels of water per hour through 550' of oil. On May 17, bailed and tested 8 hours, 60 gallons of oil and 30 gallons of water per hour. Ran 2" tubing and on May 18, treated with 1000 gallons of Dowell "XF-18" acid as follows:

ACID TREATMENT NO. 7 - Between 3437' and 3445'

Treatment put in 5/18/48 by Dowell Inc., using 1000 gallons of acid and 154 barrels of oil to fill hole and to flush.

TIME	OP	FP	REMARKS
12:40 PM	0	Vac.	140 barrels of oil in hole, hole would not fill
12:48 PM	0	Vac.	580 gallons of acid in hole, on bottom
12:52 PM	0	Vac.	1000 gallons of acid in hole, start flush
1:11 PM	0	Vac.	Flushed hole with 14 barrels of oil and treatment completed

After acid treatment swabbed through 5 1/2" casing 2 hours, 91 barrels of oil and acid water. On May 20, swabbed through tubing 19 hours, 66 barrels of oil and acid water; next 4 hours, swabbed 3 barrels of oil with small show of gas. Pulled 2" tubing and drove bridging plugs to bottom. On May 22, ran 2" tubing then swabbed through tubing 15 hours, 5 barrels of oil and 15 barrels of water. On May 24, ran rods and shut down to install surface pumping equipment.

Finished installing pumping equipment on June 9, and during the next 7 days the well produced as follows:

DATE	HOURS PUMPED	BARRELS OIL	BARRELS WATER
5-10-48	24	40	120
6-11-48	24	40	120
6-12-48	24	40	120
6-13-48	24	8	24
6-14-48	24	7	21
6-15-48	24	7	21
6-16-48	24	7	21

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# 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 T. J. Dowdell WELL NO. 6

CLEANING OUT RECORD				PLUGGING BACK OR DEEPENING RECORD			
Date commenced.....	19.....	Date completed.....	19.....	Date commenced.....	19 <u>48</u>	Date completed.....	19 <u>48</u>
Cleaned out from.....	to.....	T. D.....		Plugged back or deepened from.....	to.....	T. D.....	
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.....	Cable		
Tools owned by:				Tools owned by:	Towney Drilling Company		

### SHOT RECORD Prod. from Landing Pipe

Date	Size shot	Shot between	Size of shell	Put in by (Co.)	Length anchor	Distance below casing	Damage to casing or casing shoulder
4/26/48	1000 Gal. O.S.	3401 Ft. and 3490 Ft.	10-10"	Dowdell Inc.			
5/4/48	1000 Gal. O.S.	3611 Ft. and 3635 Ft.	10-10"	Dowdell Inc.			
5/14/48	1000 Gal. O.S.	3462 Ft. and 3476 Ft.	10-10"	Dowdell Inc.			
6/10/48	1000 Gal. O.S.	3437 Ft. and 3445 Ft.	10-10"	Dowdell Inc.			

### CHANGES IN CASING RECORD

Casing Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	CEMENTING	
				Jts.	Feet	In.	Jts.	Feet	In.			Sacks Used	Method Employed
5-1/2"	14	00	3611'				7	377'	0	100 lb. G. C.	110	Ballburton	
Perforated 5/8" casing from 3611'-70" with 90 holes, cemented off; 48 holes from 3591'-87"; 40 holes from 3405'-70"; 47 holes from 3437'-45"													

53908 Liner set at 3611' Length 377' Perforated at 500 above

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).

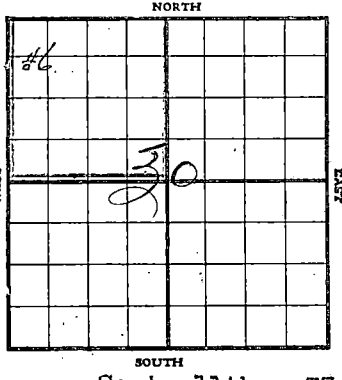
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Superintendent.

# SKELLY OIL COMPANY

Cunningham "B" Unit  
Well No. 16

## Well Record



Lease Name and No. J. M. Ratcliff No. 8026 Well No. 6 Elev. 1721' DR  
Lease Description NW/4 Section 30-27S-10W,  
Kingman County, Kansas.

Location made July 13th, 19 35 By Gould Randolph  
930 feet from North line \_\_\_\_\_ feet from East line } of Lease  
\_\_\_\_\_ feet from South line 440 feet from West line }

Rig com'd Sept. 11th, 19 35 Rig comp'd Sept. 15th, 19 35 Drlg. com'd Sept. 17th, 19 35 Drlg. comp'd Oct. 11th, 19 35

Rig Contractor Mahan, McCarty and Besse, Inc., Tulsa, Oklahoma.

Drilling Contractor Southern and Thurmond, Piltower Bldg., Tulsa, Oklahoma.

Rotary Drilling from 0 to 3435' Cable Tool Drilling from 3435' to 3473'

Commenced Producing October 16th, 19 35 { Initial Prod. before acid 500' OIH Bbls.  
Initial Prod. after acid 66.4 bbls. oil on 24 hours potential test Bbls./hr

Dry Gas Well Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.

Casing Head Gas Pressure \_\_\_\_\_ Volume Estimated 80,000 after acid treatment Cu. ft.

Braden Head ( 12 1/2" x 7" OD ) Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.

Braden Head ( \_\_\_\_\_ ) Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.

PRODUCING FORMATION LANSING LIME Top 3433' Bottom 3473' TOTAL DEPTH 3473'  
(Name)

### CASING RECORD

Size	Wt.	Thds.	Where Set	PULLED OUT			LEFT IN			KIND	Cond'n	Sacks Used	CEMENTING Method Employed
				Jts.	Feet	In.	Jts.	Feet	In.				
<u>12 1/2"</u>	<u>50#</u>	<u>8</u>	<u>333'</u>				<u>17</u>	<u>326'</u>	<u>11"</u>	<u>Lapweld</u>	<u>C</u>	<u>300</u>	<u>Halliburton Process</u>
<u>7" OD</u>	<u>22#</u>	<u>10</u>	<u>3432'</u>				<u>11.1</u>	<u>3458'</u>	<u>11"</u>	<u>Seamless</u>	<u>A</u>	<u>500</u>	<u>" "</u>

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Liner Set at \_\_\_\_\_ Length \_\_\_\_\_ Perforated at \_\_\_\_\_

Liner Set at \_\_\_\_\_ Length \_\_\_\_\_ Perforated at \_\_\_\_\_

Packer Set at \_\_\_\_\_ Size and Kind \_\_\_\_\_

Packer Set at \_\_\_\_\_ Size and Kind \_\_\_\_\_

### ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	<u>10/13/35</u>	<u>10/28/35</u>	<u>11/7/35</u>	
Acid Used	<u>1500</u> -----Gals.	<u>3000</u> -----Gals.	<u>5000</u> -----Gals.	Gals.
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.)	<u>Morgan Pet. Eng. Co.</u>	<u>Halliburton Oil Well Cementing Co.</u>	<u>Halliburton Oil Well Cementing Co.</u>	
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	
<u>Lansing LIME</u>	<u>3433'</u>	<u>3473'</u>					<u>See formational record for details and data covering pay formation</u>

(See Sheet No. 2 for Formation Record)



## RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Surface soil	0	60	
Red bed and sand shells	60	290	
Shale and sand shells	290	345	Set and cemented 12 $\frac{1}{2}$ " casing at 353' with 300 sacks cement.
Shale and shells	345	730	
Shale and lime shells	730	1025	
Salt and gyp shells	1025	1155	
Shale and lime shells	1155	1410	
Shale and lime shells	1410	1730	
Lime	1730	1775	
Shale and lime shells	1775	2000	
Lime	2000	2045	
Shale and lime shells	2045	2205	
Lime, shale and shells	2205	2255	
Shale and lime shells	2255	2360	
Shale and shells	2360	2425	
Shale and lime shells	2425	2565	
Lime	2565	2665	
Shale and shells	2665	2730	
Lime	2730	2760	
Shale and lime shells	2760	2860	
Lime	2860	2880	
Shale and shells	2880	3150	
Lime	3150	3320	
Shale and lime shells	3320	3355	
Lime	3355	3360	
Lime and shale	3360	3380	
Shale and broken lime	3380	3426	

Cored 3426' - 3435' Recovered 9'

Top 7' - Banded grey lime and shale

Bottom 2' - Dense grey and fossiliferous lime, slight saturation and porosity

TOP LANSING LIME	3433		Reamed core hole and set and cemented 7" OD 22# seamless steel casing at 3432' with 500 sacks cement. Finished cementing at 7:30 AM 10/4/35 and while waiting on cement to set tore out rotary tools and moved in and set up portable drilling in front for cable tools. Cable tools were rigged up and commenced bailing hole down on October 9th, 1935. Drilled cement plug to 3435' on October 9th, and casing tested dry and cement job tested OK. Then drilled ahead as follows:
Lime, dark dolomitic w/ little brown lime	3435	3439	Some saturation and porosity - Small of gas and bailer showed little free oil.
Lime, dark grey with little brown lime	3439	3445	Some saturation and porosity - Showed 50' OIH.
Lime, hard dark grey	3445	3450	No saturation or porosity - No oil or gas increases.
Lime, hard dark grey	3450	3454	Same
Lime, hard dark grey with 40% dolomitic lime	3454	3459	Same
Lime, hard grey	3459	3463	Same - SIM correction 3463' equals 3460'.
Lime, hard grey	3460	3463	400' OIH.
Lime, medium soft dark grey	3463	3468 $\frac{1}{2}$	Little increase of oil and gas - 500' OIH.
Lime, hard dark grey	3468 $\frac{1}{2}$	3473	No saturation or porosity - No increases.
TOTAL DEPTH	3473'		SIM

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On October 12th, run and set 2" regular steel tubing, open end, at 3435', and on October 13th, treated well with 1500 gallons 50% acid solution. Along with the 1500 gallons of acid solution, used 10 gallons of blanket and 162 barrels of crude oil. The acid treatment went in as follows:

ACID TREATMENT NO. 1

Treated by Morgan Petroleum Engineering Company 10/13/35

Loaded hole with 127.56 bbls. oil

Time

2:20 PM Run in 150 gallons acid - CP 400# TP 170#  
 2:25 " Shut down  
 3:30 " Run in 340 gallons acid - CP 50# Tbg. 20" Vacuum  
 3:35 " Run in 640 gallons acid - CP 225# Tbg. 20" Vacuum  
 3:40 " Run in 1000 gallons acid - CP 0 Tbg. 20" Vacuum  
 3:46 " Run in 1400 gallons acid - CP 0 Tbg. 20" Vacuum  
 3:50 " Run in 15000 gallons acid - CP 0 Tbg. 20" Vacuum  
 Started to flush tubing with oil at 4:06 PM  
 4:06 " Run in 6.96 bbls. oil - CP 0 Tbg. 20" Vacuum  
 4:15 " Run in 15.04 bbls. oil - CP 0 Tbg. 15" Vacuum  
 4:25 " Run in 25.36 bbls. oil - CP 0 Tbg. 15" Vacuum  
 4:35 " Run in 34.32 bbls. oil - CP 0 Tbg. 15" Vacuum  
 Finished treatment at 4:47 PM 10/13/35 with CP 0 and 15" vacuum on tubing.

Well was left shut in waiting on acid to act until 1:30 PM 10/16/35. On this date it was opened up and 24 hours potential started. Twenty four hours potential ending 1:30 PM 10/17/35, the well flowed 66.4 barrels oil. The well was shut in during the following twenty four hours and production for the next eight days is as follows: October 20th, 21 bbls., 21st, 15½ bbls., 22nd, 16 bbls., 23rd, 15½ bbls., 24th, 13 bbls., 25th, 21 bbls., 26th, 16 bbls., 27th, 15 bbls. oil showing no water. On October 28th, treated well again with acid, this time 3000 gallons of 50% solution was used as follows:

ACID TREATMENT NO. 2

Treated by Halliburton Oil Well Cementing Company 10/28/35

Run in 143.76 barrels oil but hole would not fill

Time

1:00PM Run in 35 gallons blanket - CP 0# Tbg. 20" Vacuum  
 1:02 " Started acid in  
 1:05 " Had in 210 gallons acid - CP 0# Tbg. 20" Vacuum  
 1:10 " Had in 440 gallons acid - CP 0# Tbg. 20" Vacuum  
 1:15 " Had in 900 gallons acid - CP 0# Tbg. 20" Vacuum  
 1:17 " Had in 1000 gallons acid - CP 0# Tbg. 20" Vacuum  
 1:25 " Had in 1500 gallons acid - CP 0# Tbg. 20" Vacuum  
 1:30 " Had in 1720 gallons acid - CP 0# Tbg. 20" Vacuum  
 1:35 " Had in 2100 gallons acid - CP 0# Tbg. 20" Vacuum  
 1:40 " Had in 2300 gallons acid - CP 0# Tbg. 20" Vacuum  
 1:45 " Had in 2780 gallons acid - CP 0# Tbg. 20" Vacuum  
 1:48 " Had in 3000 gallons acid - CP 0# Tbg. 20" Vacuum  
 Started flushing with crude oil at 1:50 PM  
 2:00 " Had in 6.84 bbls. oil - CP 0# Tbg. 20" Vacuum  
 2:10 " Had in 13.68 bbls. oil - CP 0# Tbg. 20" Vacuum  
 2:20 " Had in 20.52 bbls. oil - CP 0# Tbg. 20" Vacuum  
 2:30 " Had in 27.36 bbls. oil - CP 0# Tbg. 20" Vacuum  
 Finished treatment at 2:30 PM and shut in waiting on acid to act, treatment consisting of 3000 gallons acid solution, 171.12 bbls. oil and 35 gallons of blanket and taking one and one half hours to complete treatment.

The well was again opened through tubing on production test October 29th, and during the 19 hours ending at 7:00 A M October 30th, the well produced 100 barrels of oil. During the next eight days the well produced by days as follows: 43½ bbls. oil, 15 bbls. oil, 10 bbls. oil, 39½ bbls. oil, 18 bbls. oil, 15 bbls. oil, 15 bbls. oil, and 15 bbls. oil. On November 7th, the well was treated a third time with 5000 gallons acid solution as follows:

ACID TREATMENT NO. 3

Time

11:30 AM Started acid in - CP 5# Tbg. 0  
 11:32 " Had 100 gallons acid in - CP 5# Tbg. 20" Vacuum  
 11:35 " Had in 300 gallons acid - CP 5# Tbg. 20" Vacuum  
 11:38 " Had in 560 gallons acid - CP 7# Tbg. 20" Vacuum

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ACID TREATMENT NO. 3 Cont'd.

<u>Time</u>	
11:40 AM	Had in 680 gallons acid - CP 15# Tbg. 20" Vacuum - Acid on bottom at 11:38 AM
11:43 "	Had in 1000 gallons acid - CP 15# Tbg. 20" Vacuum
11:45 "	Had in 1200 gallons acid - CP 20# Tbg. 20" Vacuum - Turned in HP gas
11:50 "	Had in 1600 gallons acid - CP 50# Tbg. 20" Vacuum - Gas going in
11:53 "	Had in 2000 gallons acid - CP 90# Tbg. 25" Vacuum - Gas shut off
11:55 "	Had in 2300 gallons acid - CP 90# Tbg. 10" Vacuum
11:59 "	Had in 3000 gallons acid - CP 85# Tbg. 10" Vacuum
12:00 Noon	Had in 3100 gallons acid - CP 85# Tbg. 10" Vacuum - Turned in HP gas
12:05 PM	Had in 3500 gallons acid - CP 100# Tbg. 20" Vacuum
12:11 "	Had in 4000 gallons acid - CP 105# Tbg. 20" Vacuum
12:15 "	Had in 4200 gallons acid - CP 105# Tbg. 20" Vacuum - Gas shut off
12:20 "	Had in 4750 gallons acid - CP 110# Tbg. 20" Vacuum
12:23 "	Had in 5000 gallons acid - CP 110# Tbg. 20" Vacuum
	All acid in
12:30 "	Turned HP gas in casing and tubing - CP 110# Tbg. 20" Vacuum
1:00 "	HP gas going in tubing and casing - CP 600# TP 670#
1:05 "	Ditto - CP 600# TP 670#
1:30 "	Shut off HP gas - CP 600# TP 670#
	Finished treatment at 1:30 PM 11/7/55 - Used 5000 gallons acid solution, HP gas used in pressuring up well after treatment instead of flushing with crude oil

The well was left shut in until 9:00 AM the following day, November 8th, at which time it was opened on production test. Water and oil production by days to date, November 18th, is as follows: 22 hours 9th, 62 oil and 30 water, 24 hours 10th, 41 oil and 7 water, 16 hours 11th, 27 oil and 3½ water, 12 hours 12th, 11½ oil and 1½ water, 24 hours 13th, 23 oil and 3 water, 12 hours 14th, 11½ oil and 3½ water, 24 hours 15th, 24 oil and 4 water, 24 hours 16th, 23 oil and 3½ water, 24 hours 17th, 17½ oil and 2 water, and 24 hours 18th, 23 oil and 2 water.

SLOPE TEST DATA

<u>Depth</u>	<u>Angle of Deflection</u>
250'	1 Degrees
500'	1 "
750'	1 "
1000'	1 "
1500'	1 "
1900'	2 "
2150'	2 "
2250'	2 "
2500'	1½ "
2750'	1 "
3000'	1 "
3250'	1 "

**RECEIVED**  
 STATE CORPORATION COMMISSION  
 JUN 9 1967  
 CONSERVATION DIVISION  
 Wichita, Kansas