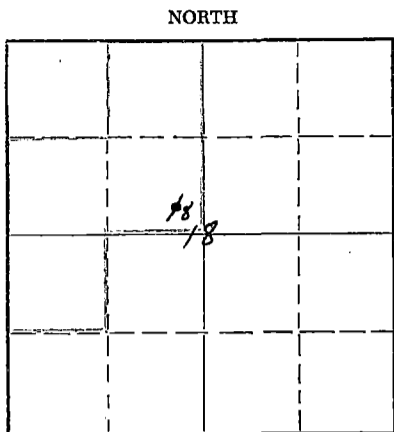


WELL PLUGGING RECORD

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

Pratt County, Sec. 18 Twp. 27S Rge. (E) 12 (W)

Location as "NE/CNW&SW&" or footage from lines SE/4 SE/4 NW/4  
Lease Owner Skelly Oil Company  
Lease Name M. D. Burkner Well No. 8  
Office Address Box 1650, Tulsa, Oklahoma  
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole  
Date well completed November 14, 1953  
Application for plugging filed November 16, 1953  
Application for plugging approved November 17, 1953  
Plugging commenced December 5, 1953  
Plugging completed December 9, 1953  
Reason for abandonment of well or producing formation Dry Hole



Locate well correctly on above Section Plat

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

Name of Conservation Agent who supervised plugging of this well Mr. M. A. Rives  
Producing formation \_\_\_\_\_ Depth to top \_\_\_\_\_ Bottom \_\_\_\_\_ Total Depth of Well 4306' Feet  
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
<u>Simpson Sand</u>	<u>Dry</u>	<u>4250'</u>	<u>4306'</u>	<u>8-5/8"</u>	<u>798'0"</u>	<u>None</u>
				<u>5-1/2"</u>	<u>4340'0"</u>	<u>3109'10"</u>

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.

Cement 4306' to 4302'  
Bridging plugs at 4267', 4246', 4160', 3882', and 3858'  
Cement 3858' to 3854'  
Sand 3854' to 3835'  
5 sacks cement 3835' to 3805'  
Mud laden fluid 3805' to 35'  
Rock 35' to 30'  
10 sacks cement 30' to 6'  
Surface soil 6' to 0'

(If additional description is necessary, use BACK of this sheet)  
Name of Plugging Contractor West Supply Company  
Address Chase, 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) \_\_\_\_\_  
Box 391, Hutchinson, Kansas  
(Address)

SUBSCRIBED AND SWORN TO before me this 30th day of December, 19 53

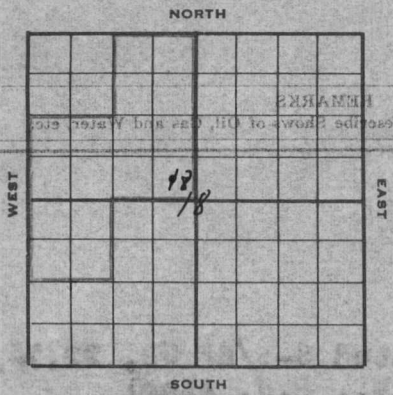
My commission expires April 7, 1955

Josephine L. Johnson  
Notary Public.

*Rec'd  
12-5-53*

**PLUGGING**  
FILE SEC 18 T 27 R 12W  
BOOK PAGE 143 LINE 20

# SKELLY OIL COMPANY



**Well Record**

Lease Name and No. H. D. Burkner 748017 Well No. 8 Elev. 1855'RB  
1853'DP  
1848'BN

Lease Description 3/4 NW/4 & 2/2 SW/4 & NW/4 SW/4 Sec. 18-27S-12W, Pratt County, Kans. (151.72 Acres)

Location made September 21, 1953 by T. L. Dix

feet from North line 330 feet from East line NW/4  
330 feet from South line feet from West line of Sec. 18

Work com'd 9/23 1953 Rig comp'd 9/24 1953 Drlg. com'd 9/24 1953 Drlg. comp'd 10/13 1953

Rig Contractor Claude Wentworth Drilling Co., Inc.

Drilling Contractor Claude Wentworth Drilling Co., Inc., Tulsa, Oklahoma

Rotary Drilling from 0' to 4306' Cable Tool Drilling from To complete to

Commenced Producing DRY HOLE 1953

Initial Prod. before shot or acid \_\_\_\_\_ Bbls.  
 Initial Prod. after shot or acid \_\_\_\_\_ Bbls.

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

Casing Head Gas Pressure \_\_\_\_\_ Volume \_\_\_\_\_ Cu. ft.

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

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

PRODUCING FORMATION DRY HOLE (Name) Top \_\_\_\_\_ Bottom \_\_\_\_\_ TOTAL DEPTH 4306'

### 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
8-5/8"	22.7	8J	805'				21	798	0	Arco SW	A	475	Halliburton
5-1/2"	14	8R	4305	103	109	10	39	1230	2	R2 SS	A	200	Halliburton
(8-5/8" casing set 2' in collar and 5 1/2" cased to derrick floor)													
Used 1 - 5 1/2" OD Baker 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	10/21/53	10/24/53	10/29/53	
Acid Used Size Shot			500	
Shot Between	4270 Ft. and 4284 Ft.	4251 Ft. and 4263 Ft.	4237 Ft. and 4242 Ft.	Ft. and Ft.
Size of Shell				
Put in by (Co.)	Halliburton	Halliburton	Halliburton	
Length anchor				
Distance below Cas'g	Sand-Oil-Frac	Sand-Oil-Frac		
Damage to Casing or Casing Shoulder				

### SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Hebner Shale	3494'						
Lancing Line	3686'						
Conglomerate	4100'						
Mississippi Line	4127'						
Viola Line	4182'						
Simpson Sand	4250'						

### 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)

**PLUGGING**  
 FILE SEC 18 T 27 R 12w  
 BOOK PAGE 143 LINE 20

12-121-10949-000

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil	0	70	
Clay	70	130	
Red bed and shale	130	470	
Shale and shells	470	690	
Red bed	690	785	
Anhydrite	785	810	
Shale and shells	810	1245	
Shale and lime	1245	1615	
Salt, shale and shells	1615	1835	
Shale and shells	1835	2115	
Shale and lime	2115	2670	
Shale and shells	2670	2910	
Lime	2910	2990	
Lime and shale	2990	3180	
Lime	3180	3445	
Shale and shells	3445	3545	
Shale and lime	3545	3674	
Lime	3674	3828	

Set and cemented 8-5/8" OD, 22.7%  
 8-3, Armo S.V., S.J. steel  
 casing (A cond.) at 308' with 475  
 sacks of regular cement, 2%  
 aquegel and 1% calcium chloride.  
 Finished cementing at 2:00 p.m.  
 9/26/53. Cement circulated.

TOP BROWN SHALE 3494'

TOP BROWN LIME 3668'  
 TOP LIME ORIGINAL TOP 3686'

FORMATION	TOP	BOTTOM	REMARKS
Lime	3828	3839	
Fine crystalline lime	3839	3866	

Run Halliburton drill stem test,  
 packer set at 3794', used 34'  
 anchor, open 2 hours, fair blow  
 throughout test, recovered 600'  
 salt water, BHP-1230, initial  
 flow 0, final flow 300%.

Good odor, good spotted stain to  
 saturation, free oil in wet  
 samples.

FORMATION	TOP	BOTTOM	REMARKS
Lime	3866	3873	
Cream, fine crystalline colitic lime	3873	3883	

Run Halliburton drill stem test,  
 packer set at 3839', used 27'  
 anchor, open 1 hour, fair de-  
 creasing blow for 20 minutes,  
 initial flow 0, final flow 0,  
 BHP-30, recovered 90' oil and  
 gas cut mud.

Spotted stain with free oil in  
 wet samples

FORMATION	TOP	BOTTOM	REMARKS
Lime	3883	3891	
Fine crystalline lime	3891	3899	
Lime	3899	3902	

Fair pinpoint porosity, free  
 oil in wet samples  
 Run Halliburton drill stem  
 test, packer set at 3871', used  
 11' anchor, open 1 hour 15 mins.,  
 recovered 77' muddy water, initial  
 flow 0, final flow 63%, BHP-  
 1281.

FORMATION	TOP	BOTTOM	REMARKS
Lime	3902	4093	
Lime and shale	4093	4145	

TOP KANSAS CITY LIME 4024'  
 TOP CONGLOMERATE 4100'  
 TOP MISSISSIPPI LIME 4127'

FORMATION	TOP	BOTTOM	REMARKS
Lime, shale and chert	4145	4163	
Light gray, partly tripolitic, slightly porous, partly oil stained chert	4163	4170	
Lime and chert	4170	4180	
Light gray, partly trip- olitic slightly porous, partly oil stained chert	4180	4185	

TOP VIOLA LIME 4182'  
 Run Johnston drill stem test,  
 packer set at 4161', used 24'  
 anchor, open 1 1/2 hours, weak blow  
 throughout, recovered 10' drilling  
 mud, initial flow 0, final flow  
 0, BHP-0.

FORMATION	TOP	BOTTOM	REMARKS
Shale and chert	4185	4215	
Shale and lime	4215	4245	
Lime	4245	4247	

TOP SIMON SHALE 4231'  
 TOP SIMON DOLOMITE 4237'

Cored from 4247' to 4306' - Recovered 564'  
 Top 3' - Gray, very shaly sand, no shows

FORMATION	TOP	BOTTOM	REMARKS
Next 5'			Gray, medium grained shaly hard sand, fair odor, bleeding slight to fair amount of oil
Next 8'			Gray, very shaly sand, slight odor, bleeding slight amount of oil in scattered streaks

PLUGGING  
 FOR RECORD  
 BOOK PAGE 14

(See Reverse for Record of Formations)

Next 2' - Gray quartzitic sand with thin shale breaks, bleeding slight amount of oil in top 6"  
 Next 24'6" - Gray quartzitic sand with paper thin to 3" shale breaks  
 Next 5' - Dark gray shale  
 Next 6'6" - Dark gray sandy shale  
 Last 2'6" - Dark gray slightly sandy shale

Set and cemented 5½" OD, 14, SR thd., K-2, J&L, S.S. casing (A cond.) at 4305' with 200 sacks of cement and 2% Gel. Finished cementing at 2:25 am 10/14/53. Halliburton Temperature Survey showed top of cement behind 5½" casing at 3135'

Rigged up cable tools and bailed the hole dry on October 19. Drilled cement plug and cleaned out to 4302'. Ran Lane-Wells Gamma Ray Survey and on October 20, perforated 5½" casing from 4270' to 4284' with 84 holes by Lane-Wells. Bailed and tested 18 hours, no shows. On October 21, ran 2" tubing and set Halliburton HM packer at 4242'. Ran Halliburton Sand-Oil-Frac treatment as follows:

SAND-OIL-FRAC TREATMENT NO. 1 - Between 4270' and 4284'

Used 60 barrels of heavy crude oil  
 4000# of sand  
 158 barrels of oil to load hole and flush  
 Maximum TP-3000#, minimum TP-1350#  
 Time 34 minutes

Pulled tubing and packer and bailed and cleaned up hole. Swabbed through 5½" casing 13 hours, 175 barrels of oil used in treating and 3 barrels of water. On October 23, swabbed through 5½" casing 4 hours, 1½ barrels of oil used in treating and 1½ barrels of water. Set Baker cast iron bridging plug at 4267' and plugged back from 4267' to 4264' with 4 gallons of Cal-Seal.

Perforated 5½" casing from 4251' to 4263' with 70 holes by Lane-Wells. Bailed and tested 12 hours, 216 gallons of oil and 60 gallons of water. On October 24, ran 2" tubing and set Halliburton HM packer at 4198'. Ran Sand-Oil-Frac from 4251' to 4263' as follows:

Sand-Oil-Frac Treatment No. 2 - Between 4251' and 4263'

Used 80 barrels of heavy crude oil  
 5000# of sand  
 162 barrels of oil to load hole and flush  
 Maximum TP-4000#, broke to 1650#  
 Time 47 minutes

Pulled tubing and packer and swabbed through 5½" casing 11 hours, 150 barrels of oil used in treating. On October 26, swabbed through 5½" casing 24 hours, 24 barrels of oil used in treating and 9 barrels of water. On October 27, swabbed through 5½" casing 24 hours, 8½ barrels of oil used in treating and 3½ barrels of water. On October 28, swabbed through 5½" casing 3 hours, 1 barral of oil and 1/2 barrel of water. Set Baker cast iron bridging plug at 4246' and plugged back with 3 gallons of Cal-Seal from 4246' to 4244'. Perforated 5½" casing from 4237' to 4242' with 30 holes by Lane-Wells. Bailed and tested 12 hours, no shows. On October 29, treated through 5½" casing from 4237' to 4242' with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 1 - Between 4237' and 4242'

Treatment put in 10/29/53 by Halliburton, using 500 gallons of acid and 112 barrels of oil to fill hole and flush.

TIME	GP	REMARKS
9:00 am	Vac.	Started acid down casing
9:32 am	Vac.	Acid on bottom
9:34 am	500#	100 gallons of acid in formation
9:36 am	750#	200 gallons of acid in formation
9:44 am	750#	500 gallons of acid in formation

Swabbed through 5½" casing 18 hours, 112 barrels of oil used in treating and 8½ barrels of acid water. On October 30, swabbed through 5½" casing 4 hours, 2 barrels of water. Set Baker bridging plug at 4160' and plugged back with 3 gallons of Cal-Seal from 4160' to 4157'. Perforated 5½" casing from 4128' to 4144' with 96 holes by Lane-Wells; bailed and tested 12 hours, no shows. On October 31, ran 2" tubing and set Halliburton HM packer at 4098' and ran Halliburton Sand-Oil-Frac treatment from 4128' to 4144' as follows:

SAND-OIL-FRAC TREATMENT NO. 3 - Between 4128' and 4144'

Used 60 barrels of heavy oil  
 4000# of sand  
 145 barrels of oil to load and flush  
 Maximum TP-4000#, broke to 2800#  
 Time 42 minutes

Pulled tubing and Halliburton packer and swabbed through 5½" casing 16 hours, 153 barrels of oil used in treating and 10 barrels of water. On November 2, bailed and tested 3 hours, 15 gallons of oil and 7 gallons of water. Set Baker cast iron bridging plug at 3882' and plugged back to 3880½' with 4 gallons of Cal-Seal and 5½" casing tested dry. Perforated 5½" casing from 3863' to 3869' with 36 holes by Lane-Wells, then bailed and tested 2 hours, 1 gallon of water with scum of oil per hour. Treated through 5½" casing with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 2 - Between 3863' and 3869'

Treatment put in 11/2/53 by Halliburton, using 500 gallons of acid and 95 barrels of oil to fill hole and flush.

TIME	CP	REMARKS
5:00 pm	Vac.	Started acid down casing
5:30 pm	1200'	500 gallons of acid on bottom
5:33 pm	750'	120 gallons of acid in formation
5:40 pm	550'	310 gallons of acid in formation
5:54 pm	500'	500 gallons of acid in formation

Swabbed through 5½" casing 3 hours, 95 barrels of oil used in treating and 12 barrels of acid water; then swabbed 8 hours, 80 barrels of salt water with scum of oil. On November 3, swabbed through 5½" casing 4 hours, 40 barrels of water with scum of oil. Set Baker cast iron bridging plug at 3858' and plugged back with 4 gallons of Cal-Seal to 3855'. Perforated 5½" casing from 3846' to 3852' with 18 holes by Lane-Wells and hole filled 1500' with salt water in 2 hours, unable to bail hole down. On November 4, ran 2" tubing and set Halliburton DM retainer at 3818' and cemented off perforations from 3846' to 3852' with 100 sacks of cement, maximum TP-3500'. Pulled tubing and shut down for cement to set.

On November 7, bailed hole dry, drilled cement plug and cleaned out 3854' and 5½" casing tested dry. Reperforated 5½" casing from 3846' to 3852' with 24 holes by Lane-Wells. Bailed and tested 6 hours, 2 gallons of water per hour. On November 9, treated through 5½" casing with 500 gallons of Dowell 15% acid as follows:

ACID TREATMENT NO. 3 - Between 3846' and 3852'

Treatment put in 11/9/53 by Dowell Inc., using 500 gallons of acid and 94 barrels of oil to fill and flush.

TIME	CP	REMARKS
11:30 am		12 gallons acid on bottom
11:40 am		Started oil down casing
12:15 pm	600'	Filled hole with oil
12:40 pm	700'	21 gallons of acid in formation
1:00 pm	1000'	63 gallons of acid in formation
1:30 pm	1250'	
1:40 pm	1200'	189 gallons of acid in formation
2:30 pm	1175'	356 gallons of acid in formation
2:55 pm	1500'	
2:58 pm	1400'	500 gallons of acid in formation

Swabbed through 5½" casing 14 hours, 94 barrels of oil used in treating and 8 barrels of spent acid water. On November 10, reacidized through 5½" casing with 1500 gallons of Dowell etching acid as follows:

ACID TREATMENT NO. 4 - Between 3846' and 3852'

Treatment put in 11/10/53 by Dowell, Inc., using 1500 gallons of acid and 94 barrels of oil to fill and flush.

TIME	CP	REMARKS
12:59 pm		1500 gallons acid in hole, start flush
1:25 pm		168 gallons of acid in formation
1:35 pm	700'	325 gallons of acid in formation
1:45 pm	800'	430 gallons of acid in formation
2:00 pm	800'	525 gallons of acid in formation
2:30 pm	825'	913 gallons of acid in formation
3:00 pm	750'	1500 gallons of acid in formation

Swabbed through 5½" casing 3 hours, 94 barrels of oil used in treating and 36 barrels of acid water. Then swabbed 6 hours, 35 barrels of oil and 11 barrels of water. On November 11, swabbed through 5½" casing 24 hours, 13 barrels of oil and 5 barrels of water. On November 12, treated with 2500 gallons of Dowell etching acid as follows:

ACID TREATMENT NO. 5 - Between 3846' and 3852'

Treatment put in 11/12/53 by Dowell, Inc., using 2500 gallons of acid and 94 barrels of oil to fill hole and flush.

TIME	CP	REMARKS
12:15 pm		Start acid down casing
12:40 pm		2500 gallons of Dowell acid in hole, start flush
1:06 pm		1512 gallons acid in formation
1:15 pm	150'	2394 gallons acid in formation
1:17 pm	200'	2520 gallons of acid in formation

Swabbed through 5½" casing 3 hours, 94 barrels of oil used in treating and 60 barrels of spent acid water. Then swabbed 11 hours, 22 barrels of oil and 14 barrels of water. On November 14, swabbed through 5½" casing 24 hours, 7 barrels of oil and 6 barrels of water. Since all probable zones of production were tested, regular authority was granted to plug and abandon the well.

On December 5, machine of West Supply Company was moved in and the well plugged as follows:

Sand	3854' to 3835'
5 sacks of cement	3835' to 3805'

Shot off 5 $\frac{1}{2}$ " casing at 3093' and pulled 103 joints, 3109'10", of 5 $\frac{1}{2}$ " OD, 14 $\frac{1}{2}$ , 8R thd., R-2, J-55, S.S. casing (@ cond.)

Mud laden fluid	3805' to 35'
Rock	35' to 30'
10 sacks of cement	30' to 6'
Surface soil	6' to 0'

Plugged and abandoned December 9, 1953.

SLOPE TEST DATA: Tests were taken at 450', 1650', 1900', 2225', 2550', 2900', 3200', 3691', and 4247' with no deviation from vertical noted.