

STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

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

Finney

County. Sec. 3 Twp. 22S Rge. (E)33 (W)

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

Lease Owner Skelly Oil Company

Lease Name Esther Anderson Well No. 1

Office Address Box 1650, Tulsa, Oklahoma

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

Date well completed August 9, 19 55

Application for plugging filed August 9, 19 55

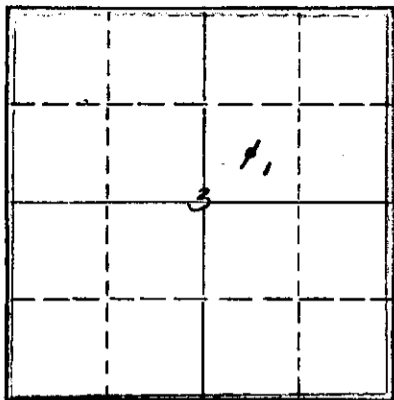
Application for plugging approved August 10, 19 55

Plugging commenced August 9, 19 55

Plugging completed August 9, 19 55

Reason for abandonment of well or producing formation Dry Hole

NORTH



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 (verbally)

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

Producing formation Depth to top Bottom Total Depth of Well 2707 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
Hugoton Sand	Dry	2595'	2702'	10-3/4"	392' 0"	None
				7"	2704' 0"	None

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 retainer 2612'

25 sacks of cement 2612' to 2490'

Mud laden fluid 2490' to 350'

25 sacks of cement 350' to 225'

Mud laden fluid 225' to 10'

Surface soil 10' to 0'

STATE CORPORATION COMMISSION
SEP 10 1955
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor: Midwestern Drillers
Address: Wright Building, Tulsa, Oklahoma

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)

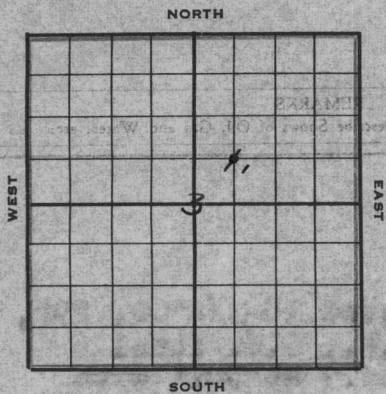
SUBSCRIBED AND SWORN TO before me this 9th day of September, 19 55

My commission expires April 7, 1959

Josephine L. Johnson
Notary Public.

PLUGGING
WEL SEC 2 T22 R33W
BOOK PAGE 141 LINE 20

SKELLY OIL COMPANY



Well Record

Lease Name and No. Rather Anderson Well No. 1 Elev. 2886'
 Lease Description All of Section 3-22-33W, Finney County, Kansas (640 Acres)
 Location made June 4, 1955 by Neade County Engineer
660 feet from North line 660 feet from East line 660 feet from South line 660 feet from West line of Sec. 3

Work com'd 7/7 1955 Rig comp'd 7/6 1955 Drlg. com'd 7/8 1955 Drlg. comp'd 7/24 1955

Rig Contractor Midwestern Drillers

Drilling Contractor Midwestern Drillers, Tulsa, Oklahoma

Rotary Drilling from 0' to 2688' Cable Tool Drilling from 2688' to 2707'

Commenced Producing DRY HOLD 1955 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 (10-3/4" x 7" OD) Gas Pressure _____ Volume _____ Cu. ft.

Braden Head (_____) Gas Pressure _____ Volume _____ Cu. ft.

PRODUCING FORMATION DRY HOLD (Name) Top _____ Bottom _____ TOTAL DEPTH 2707'

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
10-3/4" OD	85	501'					13	392	0	Arco SW	A	350	Halliburton
7"	20	2688'					64	2706	0	J55 R3 SW	A	650	Halliburton
10-3/4" casing set 2' in cellar and 5 1/2" cased to derrick floor)													

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	7/24/55	7/25/55	7/30/55	
Acid Used	1000		1000	
Size Shot				
Shot Between	2676 Ft. and 2684 Ft.	2626 Ft. and 2656 Ft.	2647 Ft. and 2656 Ft.	Ft. and Ft.
Size of Shell				For remaining treatments
Put in by (Co.)	Acid Engineers	Acid Engineers	Acid Engineers	see remarks
Length anchor				
Distance below Cas'g		Jatra-Trac		
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Berlington	2595						
Upper Krider	2625'						
Winfield	2674'						
Boyle shale	2702'						

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, fine sand, silt	0	200	
Sand and clay	200	250	
Dark shale	250	285	
Shale and shells	285	502	
Shale and shells	502	2055	
Shale and shells	2055	2146	
Shale and shells	2146	2655	

FORMATION	TOP	BOTTOM	REMARKS
Shale and shells	2655	2674	
Shale and shells	2674	2699	

Bigged up cable tools and bailed the hole dry on July 19, and 7" casing tested dry. Drilled cement plug and cleaned out to 2685'. Ran Halliburton Gamma Ray Neutron Survey. On July 20, perforated 7" casing from 2660' to 2672' with 50 holes by Halliburton. Set 2" tubing and set Halliburton retainer at 2652' and cemented perforations from 2650' to 2672' with 200 sacks of common cement, let set for 5 hours, then recemented with 100 sacks of Pozmix cement, pressured to 1000' to block squeeze off shale between Kridler and Vinfield Lime zones. Puffed 2" tubing and sand for cement to set.

SHOT OR ACID TREATMENT RECORD

On July 23, 1955, drilled deeper and bailed and tested, cleaned out to the benches.

Perforated 7" casing from 2674' to 2699' with 50 holes. No gas or water. Treated through 7" casing with 1000 gallons of 15% acid as follows:

ACID TREATMENT NO. 1 - Between 2674' and 2699'
Treatment put in 7/24/55 by Acid Engineers, Inc., using 1000 gallons of acid and 107 barrels of water.

TIME	MARKS	DEPTH	REMARKS
11:11 pm			haul 1000 gallons of acid in, start flush
11:21 pm			107 barrels of water in, acid on bottom
11:32 pm	300		
11:43 pm	600		
11:54 pm	675		
12:04 pm	750		
12:14 pm	850		Flush completed

Swabbed hole dry, then bailed and tested 2 hours, 10 gallons of acid water per hour, no gas. On July 24, bailed and tested 2 hours, very light show of gas, no water. Drilled deeper:

FORMATION	TOP	BOTTOM	REMARKS
Line and shale	2699	2707	

Let lane-wells bridging plug and set 2 1/2" casing from 2674' to 2699'. Perforated 7" casing by lane-wells from 2674' to 2699' with 101 holes and from 2674' to 2699' with 101 holes, very light show of gas. Ran Acid Engineers Jetra-Frac treatment as follows:

JETRA-FRAC TREATMENT NO. 1 - Between 2674' and 2699'

DATE	TIME	DEPTH	REMARKS
			haul 1000 gallons of acid in, start flush
			107 barrels of water in, acid on bottom
			Flush completed

Swabbed hole dry, then bailed and tested 2 hours, 10 gallons of acid water per hour, no gas. On July 25, bailed and tested 2 hours, very light show of gas, no water. Drilled deeper:

FORMATION	TOP	BOTTOM	REMARKS
Line and shale	2707	2722	

Swabbed out water and spent acid water. Swabbed through 7" casing 24 hours, gas gauged 164 M.C.F. with 6 barrels of water per hour. On July 26, swabbed through 7" casing 18 hours, gas gauged 290 M.C.F. and 7 barrels of water per hour. Drove Lane-Wells bridging plug from 2671½' to 2705', ran 2" tubing and set Halliburton hydraulic cement retainer at 2610' and cemented off perforations from 2626' to 2643' and from 2647' to 2656' with 200 sacks of Pozmix cement, TP-1200. Pulled tubing and retainer and shut down waiting for cement to set.

On July 29, drilled cement plug to 2661'. Perforated 5½" casing from 2647' to 2656' with 50 Type "E" shots by Lane-Wells, no shows. Dumped 25 gallons of mud acid and let set 2 hours, bailed out acid, then treated with 1000 gallons of Acid Engineers 15% acid as follows:

ACID TREATMENT NO. 2 - Between 2647' and 2656'

Treatment put in 7/30/55 by Acid Engineers, using 1000 gallons of acid and 107 barrels of water.

TIME	CP	TP	REMARKS
7:29 am			1000 gallons of acid in, start water
7:40 am	375		107 barrels of water in, acid on bottom
7:45 am	500		Started taking acid
7:46 am	600		
7:53 am	400		Flush completed

Swabbed through 7" casing 7 hours, no gas, no water. Reacidized through 7" casing with 2000 gallons of Acid Engineers MS-18 acid as follows:

ACID TREATMENT NO. 3 - Between 2647' and 2656'

Treatment put in 7/30/55 by Acid Engineers, using 2000 gallons of acid and 107 barrels of water.

TIME	CP	TP	REMARKS
8:25 pm			Start acid
8:41 pm			2000 gallons of acid in casing, start flush
8:45 pm	50		107 barrels of water in, acid on bottom
8:46 pm	350		
9:01 pm	380		Flush completed

Swabbed through 7" casing 11 hours, very light show of gas and 30 gallons of salt water per hour. Ran 2" tubing and set Halliburton DM retainer at 2618' and cemented off perforations from 2647' to 2656' with 150 sacks of Pozmix cement, TP-1500. Pulled tubing and shut down for cement to set.

On August 2, bailed the hole dry and 7" casing tested dry. Drilled cement plug and cleaned out to 2656', then perforated 7" casing by Welx with 1 shot at 2650'. Dumped 30 gallons of mud acid and let set 3 hours. Bailed out spent acid, then treated with 1000 gallons of Acid Engineers MS-18 15% acid as follows:

ACID TREATMENT NO. 4 - At 2650'

Treatment put in 8/3/55 by Acid Engineers, using 1000 gallons of acid and 107 barrels of water.

TIME	CP	TP	REMARKS
12:46 pm			Start acid in casing
12:53 pm	Vac.		1000 gallons of acid in, start water
1:35 pm	350		
2:18 pm	475		
2:46 pm	575		
3:11 pm	700		
4:05 pm	735		Formation taking fluid
4:06 pm	650		
4:32 pm	500		Finished flush

Swabbed and bailed the hole to bottom 10 hours, no gas and 18 gallons of water per hour. On August 4, bailed and tested 6 hours, very light show of gas and tested 12 gallons of water per hour. Ran 2" tubing and set Halliburton DM retainer at 2616' and cemented off perforation at 2650' with 100 sacks of common cement, TP-2500. Pulled 2" tubing and shut down for cement to set.

On August 5, swabbed and bailed the hole dry and 7" casing tested dry. Drilled retainer and cement plug and cleaned out to 2644'. Perforated 7" casing from 2626' to 2643' with 34 holes by Lane-Wells Kone shots. Dumped 1 barrel of mud acid and let set 1 hour, then re-perforated from 2626' to 2643' with 68 holes by Lane-Wells. Treated through 7" casing with 1000 gallons of acid Engineers MS 18-15% acid as follows:

WELLS SERVICE COMPANY
 155 W. 13th St.
 OMAHA, IOWA

ACID TREATMENT NO. 5 - Between 2626' and 2643'

Treatment put in 8/6/55 by Acid Engineers, Inc., using 1000 gallons of acid and 83 barrels of water.

TIME	GF	TP	REMARKS
1:11 am			Start acid
1:12 am	Vac.		1000 gallons of acid in casing, start flush
1:27 am	50		83 barrels of water in, acid on bottom
1:49 am	700		
3:13 am	800		
5:40 am	900		
6:17 am	1100		
6:54 am	1050		Taking fluid
7:09 am	100		Finished flush

Swabbed out water used in treating, then bailed and tested 14 hours, no gas and 20 gallons of spent acid water per hour. Treated with Jetra-frac by Acid Engineers through 7" casing as follows:

JETRA-FRAC TREATMENT NO. 2 - Between 2626' and 2643'

- Used 200 gallons of mud acid
- 4000 gallons of Gal
- 6000 of sand
- 4000 gallons of 7 1/2% acid
- 4500 gallons of water to fill and flush
- Maximum GF-1000
- Time 23 minutes

Swabbed through 7" casing 24 hours, trace of gas and 4 barrels of salt water per hour. On August 8, swabbed through 7" casing 3 hours, no gas and 4 barrels of salt water per hour. Ran 2" tubing and set Halliburton DM retainer at 2612' and cemented off perforations from 2626' to 2643' with 150 sacks of Pozmix cement, TP-3000. Pulled 2" tubing and swabbed the hole dry. Perforated 7" casing from 2595' to 2602' with 43 holes by Lane-ells, no shows. Dumped 40 gallons of Acid Engineers mud acid down 7" casing and let set 1 hour. Bailed out spent acid water, then treated down 7" casing with 1000 gallons of Acid Engineers NS-18 15% acid as follows:

ACID TREATMENT NO. 6 - Between 2595' and 2602'

Treatment put in 8/9/55 by Acid Engineers, Inc., using 1000 gallons of acid and 105 barrels of water.

TIME	GF	TP	REMARKS
4:15 am			Start acid
4:19 am	Vac.		1000 gallons of 15% acid in, start flush
4:30 am	100		76 barrels of water in, acid on bottom
5:01 am	700		
5:28 am	875		275 gallons of acid in formation
5:35 am	875		400 gallons of acid in formation
5:46 am	925		650 gallons of acid in formation
5:52 am	950		1000 gallons of acid in formation Flushed with 105 barrels of water

On August 9, swabbed out water used in treating, then bailed and tested 4 hours, no gas and no water.

Since oil or gas in commercial quantities were not encountered, regular authority was granted to plug and abandon the well. The well was plugged as follows:

25 sacks of cement	2612' to 2490'
Mud laden fluid	2490' to 350'
25 sacks of cement	350' to 225'
Mud laden fluid	225' to 10'
Surface soil	10' to 0'

Plugged and abandoned August 9, 1955.

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION
100'	3/4 Degree
280'	1 "
1560'	1/2 "
2000'	1/2 "
2470'	3/4 "

PLUGGING
 WELLS SEC 3 122 33W
 BOOK PAGE 41 LINE 20