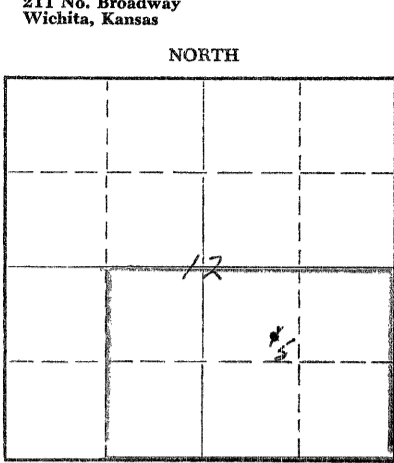


Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
211 No. Broadway
Wichita, Kansas

WELL PLUGGING RECORD



Locate well correctly on above Section Plat

Rooks County. Sec. 12 Twp. 9S Rge. (E) 19 (W)
Location as "NE/CNWxSWx" or footage from lines SE/4 NW/4 SE/4
Lease Owner Skelly Oil Company
Lease Name Cora A. Hilgers Well No. 5
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed May 31, 19 47
Application for plugging filed September 5, 19 57
Application for plugging approved September 6, 19 57
Plugging commenced September 5, 19 57
Plugging completed September 5, 19 57
Reason for abandonment of well or producing formation Depleted oil well

If a producing well is abandoned, date of last production July 11, 19 57
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 Arbuckle Lime Depth to top 3468' Bottom 3472' Total Depth of Well 3490 Feet
Show depth and thickness of all water, oil and gas formations. PB 3478'

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	OD SIZE	PUT IN	PULLED OUT
Arbuckle Lime	Oil	3468'	3472'	13"	133'5"	None
				8-5/8"	1411'0"	None
				5-1/2"	3517'5"	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.

Bridging plug 3340'
1 sack of cement 3340' to 3332'
Bridging plug 3295'
1/2 sack of cement 3295' to 3291'
Bridging plug 3277'
1/2 sack of cement 3277' to 3273'
Bridging plug 3250'
1 sack of cement 3250' to 3242'
40 sacks of aquagel
followed with 50 sacks
of common cement 3242' to 6'
Surface soil 6' to 0'

RECEIVED
STATE CORPORATION COMMISSION
10-1-57
OCT 1 - 1957

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Halliburton Oil Well Cementing Company
Address 401 Union Center, Wichita, Kans. CONSERVATION DIVISION
Wichita, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.
H. E. Wamsley (employee of owner) ~~EXCISE COPY~~ 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.

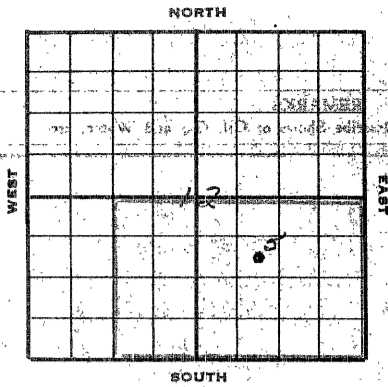
(Signature) _____
Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 30th day of September, 19 57

My commission expires April 7, 1959 _____
Notary Public.

PLUGGING
FILE SEC. 12 T. 9 R. 19W
BOOK PAGE 42 LINE 26

SKELLY OIL COMPANY



MOTION **Well Record** MOTION

Lease Name and No. State of Illinois Well No. 105110 Elev. 105110
 Lease Description 1/2 NW/4 and SE/4 of Sec. 12-9S-19W
Scott County, Kansas
 Location made April 28, 19 47 by J. B. Frazier
1650 feet from North line 1650 feet from East line 3/4
1650 feet from South line 1650 feet from West line of 300. 12

Work com'd May 1, 19 47 Rig com'd May 3, 19 47 Drig. com'd May 3, 19 47 Drig. comp'd May 17, 19 47

Rig Contractor Claude Anworth Company

Drilling Contractor Claude Anworth Company, Tulsa, Oklahoma

Rotary Drilling from Top to 3490' SLM Cable Tool Drilling from To complete to

Commenced Producing May 31, 19 47 Initial Prod. before shot or acid 154 bbls. oil, 48 bbls. Bbls.
at 12.7 hours Initial Prod. after shot or acid 208 15 hrs. w/ Johnson's Bbls.
for initial production of 2250 Bbls.

Dry Gas Well Press 3490' Volume 3490' x 3.14 x 0.0008 = 3.42 Cu. ft.

Casing Head Gas Pressure of 2257 bbls. Volume of 2257 bbls. Cu. ft.

Braden Head (1 1/2" x 5/8" ID) Gas Pressure Volume Cu. ft.

Braden Head (2" x 1 1/2" ID) Gas Pressure Volume Cu. ft.

PRODUCING FORMATION Arbuckle Line Top 3468' Bottom 3472' TOTAL DEPTH 3490'

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
	1 1/2"	34/87		140				5	133	5	On 22 3/4" B	150	Halliburton	
	2-5/8"	22	82	1406				44	1411	0	340 32 3/4" A	375	Halliburton	
	3-1/2"	14	82					44	1521	5	340 32 3/4" A			
	3-1/2"	14	82	3490' SLM				63	1996	0	340 32 3/4" A	200	Halliburton	

(1 1/2" casing set 8' in collar, 2-5/8" set 6' in collar, and 3 1/2" added to Derrick floor) Perforated 1 1/2" casing with 12 holes from 3468' to 3472', and with 34 holes from 3468' to 3470' filled with 2-5/8" cement & 1" 3/4" Lakin combination casing & first shell

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

Date	FIRST		SECOND		THIRD		FOURTH	
	Gals. Shot	Qts.	Gals. Shot	Qts.	Gals. Shot	Qts.	Gals. Shot	Qts.
Shot Between	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.
Size of Shell								
Put in by (Co.)								
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	
Arbuckle	1400						
Hoebener Shale	3184						
Lansing Line	3224				3224	3228	oil, gas, & staining, well
					3229	3286	stained por. & oil sat.
					3304	3313	por. oil, all saturation
					3390	3393	por. & saturation
					3442	3452	stained por. & saturation
Arbuckle Line	3468'				3470	3476	stained and saturated
					3478	3486	stained porosity & stained

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						" " " " " "

PLUGGING
 (See Reverse for Record of Formation)
 FILE SEC 12 1 9 R 190
 BOOK PAGE 42 LINE 26

Run 2" tubing and rods, and on June 3, 1947 17 hours, 255 barrels of oil and 73 barrels of water.

On June 3, 1947 15 hours on Schometer draw down test, 197 barrels of oil and 43 barrels of water for indicated productivity of 3956 barrels to establish 24 hour State Corporation Commission potential of 2239 barrels. This potential allows 64 barrels per day for the remainder of June, 1947.

~~WATER TEST DATA~~
 Tests were taken at 250' intervals from 250' to 2750' with no deflections noted.

ANALYSIS OF WATER

Made by Shell Oil Company Laboratories of El Dorado, Kansas
 Water from drill stem test on our Well No. 5
 Depth of test was from 3298' to 3313'.

Sample received May 23, 1947

	Grains per Gallon	Parts per Million	Percent by Weight
Chlorides expressed as NaCl	4800	82266	8.26
Chlorides expressed as Cl	2711	32843	3.28
Total solids	8865	151983	13.1585
Sulphates expressed as CaSO ₄	57	978	0.0978
Sulphates expressed as SO ₄	40	690	0.0690

PLUGGING
 FILE SEC. 12T 9 R 1960
 BOOK PAGE 42 LINE 26

WELL LOGGING AND TORONTO

Date Commenced: August 6, 1957
 Date Completed: September 4, 1957

PLUGGING AND ABANDONED

Production Before: 6 barrels of oil and 394 barrels of water per day

Ran rods and 2" tubing on August 6, 1957, then rigged up cable tools on this date, cleaned out shale and scales to 1478', and drilled and cleaned out cement from 1478' to 1481'. Ran Lane-Wells Gamma Ray Neutron Survey. Ran 2" tubing, loaded hole with oil and set BM retainer at 1420'. Pressured annulus to 300', would not hold, input below retainer 5 barrels per minute at 700'-IP. Cemented off Arbuckle lime with 89 sacks of cement, estimated 69 sacks below retainer at 1500'-IP. Reversed out estimated 20 sacks of cement and pulled 2" tubing. On August 9, scrubbed hole down to 2800', unable to scrub 2800', too much water and rotary mud broke in through 5/8" casing.

Bailed and cleaned out heavy rotary mud from 1180' to 1700'. Ran 2" tubing and circulated out rotary mud from 1200' to bottom. Ran 2" tubing with BM packer and found hole in 5/8" casing from 2280' to bottom. Ran 2" tubing and set BM retainer at 2210', pressured annulus to 500', input below retainer 3 barrels per minute at 400' pressure. Cemented off holes in 5/8" casing with 500 sacks of special oil well cement. Cement on vacuum at end of 2 1/2 hours. Flush 2" tubing with 18 barrels of water. Shut down 4 hours, then recemented with 103 sacks of 50% cement, estimated 93 sacks below retainer at 2000'. Reversed out estimated 10 sacks of cement and pulled 2" tubing.

On August 13, bailed the hole dry to 2200' and 5/8" casing tested dry. Drilled cement plug from 2200' to 2210'. Drilled retainer at 2210' and drilled cement plug to 2230' with cable tools. Rigged up small rotary and drilled cement plug to 3276', then cleaned out to 3410'. Bailed and cleaned out with cable tools down 1500', and well tested 4 barrels of water per hour.

Perforated 5/8" casing from 3390' to 3396' with 36 holes by Lane-Wells. Ran 2" tubing and set BM packer at 2800', annulus held at 500'-IP. Reset packer at 2600', annulus held at 500'-IP, input below packer 1 1/2 barrels of water per minute at 500'-IP. Reset packer at 3000', unable to pump into annulus, but would not hold pressure, annulus took 1 1/2 barrels of water per minute at 500' pressure, indicating leaks in 5/8" casing from 2600' to 3000'. Reset packer at 3381', then scrubbed through 2" tubing 12 hours, no oil and 38 barrels of water. Pulled 2" tubing and packer. Found hole in 5/8" casing below 2850'. Tried to set Baker bridging plug at 3340', plug would not hold. Cleaned out to 3150' and set Baker bridging plug at 3340'. Plugged back from 3340' to 3332' with 1 sack of common cement. Ran 2" tubing and set BM retainer at 2822'. Pressured annulus to 200', input below retainer 1 1/2 barrels per minute at 500'.

Recemented 5/8" casing with 110 sacks of Halliburton Special Oil Well cement, estimated 90 sacks below retainer at 500'-IP. Reversed out estimated 20 sacks of cement. Pulled tubing and shut down for cement to set.

Bailed hole to top of Halliburton BM retainer at 2822'. Found 5/8" casing leaking 1 barrel of water per hour. Drilled BM retainer and cement to 3318', 2000' of water in hole. Perforated 5/8" casing from 3298' to 3304' with 36 Lane-Wells 2-2 holes. Bailed hole down 1400' from top; tested 3 hours, 5 barrels of water per hour with slight amount of oil showing. Ran 2" tubing and set Halliburton BM packer at 3292'. Scrubbed through 2" tubing 3 hours, 3 barrels of water with show of oil. Treated with 500 gallons of Dowell "17-32 W-17" acid as follows:

ACID TREATMENT No. 1 - Between 3208' and 3204'

Treatment put in 8/30/57 by Dowell, using 500 gallons of acid and 13 barrels of oil.

TIME	CF	IP	REMARKS
3:58 pm			Start acid down tubing
4:15 pm		300	Acid on bottom
4:21 pm		300	Acid in formation

Scrubbed through 2" tubing 1 hour, 13 barrels of treating oil and 10 barrels of raw acid. Bailed and reset packer at 3288'. Scrubbed through 2" tubing 2 hours, 35 barrels of water, casing on vacuum. Reset packer at 3266'. Scrubbed through 2" tubing 1 hour, 1 barrel of water with good show of oil. Acidified through 2" tubing with 500 gallons of Dowell "17-32 W-17" acid as follows:

PLUGGING
 FILE SEC. 12T 9 R19W
 BOOK PAGE 42 LINE 26

ACID TREATMENT NO. 2 - Between 3204' and 3206'

Treatment put in 8/30/57 by Dowell Inc., using 500 gallons of acid and 30 barrels water to fill and 13 barrels oil to flush.

TIME	GP	RF	REMARKS
8:27 pm			Start 500 gallons of acid
8:31 pm			Acid in
8:36 pm			Start water
8:44 pm		100%	Acid on bottom
8:58 pm			Start to fill annulus
9:14 pm	40%	40%	annulus full
9:24 pm	30%	35%	
9:37 pm			Start pump on annulus
9:47 pm	25%	25%	Treatment completed

Rained and reset packer at 3206'. Swabbed thru 2" tubing 1 hour, 13 barrels of oil used in treating; then swabbed 7 hours, 2 barrels of oil and 25 barrels of water.

Pulled 2" tubing and set Baker bridging plug at 3295'. Dumped 1/2 sack of cement from 3295' to 3291' and perforated 5/8" casing from 3280' to 3286' with 36 holes by Lane-Wells. Ran 2" tubing with two Halliburton packers and 6' of 2" tail pipe for anchor. Set top packer at 3204' and bottom packer at 3212'. Swabbed through 2" tubing 3 hours, 1 barrel of water with show of oil per hour. Treated through 2" tubing with 500 gallons of Dowell "14-32 H-17" acid as follows:

ACID TREATMENT NO. 3 - Between 3200' and 3204'

Treatment put in 8/31/57 by Dowell Inc., using 500 gallons of acid and 13 barrels of oil.

TIME	GP	RF	REMARKS
9:35 pm			Start acid down tubing
9:40 pm			Acid in, start flush
9:46 pm		25%	Acid on bottom
9:52 pm		7at.	Treatment completed

Swabbed through 2" tubing 1 hour, 13 barrels of oil used to acidise; then swabbed 7 hours, 3 barrels of oil and 30 barrels of water. Reacidised through 2" tubing with 1000 gallons of Dowell "14-32 H-17" acid as follows:

ACID TREATMENT NO. 4 - Between 3200' and 3206'

Treatment put in 9/1/57 by Dowell Inc., using 1000 gallons of acid and 14 barrels of oil.

TIME	GP	RF	REMARKS
12:10 pm			Start acid
12:15 pm			Acid on bottom
12:22 pm		25%	Acid in, start flush
12:30 pm		25%	Acid flushed, treatment completed

Swabbed through 2" tubing 1/2 hour, 14 barrels of oil used in treating, then swabbed 17 hours, 12 barrels of oil and 30 barrels of water.

Pulled 2" tubing, packers, and anchor. Set 3/4" Baker bridging plug at 3277' and plugged back with 1/2 sack of cement from 3277' to 3273'. Perforated 5/8" casing from 3265' to 3270' with 30 holes by Lane-Wells. Ran 2" tubing with two Halliburton #5 packers and 60' of 2" anchor. Set top packer at 3174' and bottom packer at 3182'. Swabbed through 2" tubing 12 hours, 3 barrels of oil and 96 barrels of water.

Pulled 2" tubing, packers, and anchor. Set Lane-Wells bridging plug at 3250' and plugged back with 1 sack of cement from 3250' to 3242'. Perforated 5/8" casing from 3226' to 3230' with 72 holes by Lane-Wells. Ran 2" tubing, two #5 packers, and 60' of 2" anchor. Set top packer at 3142' and bottom packer at 3150', unable to swab, casing on vacuum. Reset packers with top packer at 3164', bottom at 3172'. Swabbed through 2" tubing 7 hours, no oil, and 132 barrels of water. Pulled 2" tubing, packers, and anchor.

As the Arbuckle Line is depleted and Lansing Line is non-productive, authority was granted to plug and abandon the well as follows:

40 sacks of aquagel followed
with 50 sacks of common
cement
surface soil

3242' to 6'
6' to 0'

Plugged and abandoned September 5, 1957.

PLUGGING
 FILE SEC 12 T 9 R 139
 BOOK PAGE 42 LINE 26

PLUG
 40 SACKS OF AQUAGEL
 50 SACKS OF COMMON CEMENT
 SURFACE SOIL