

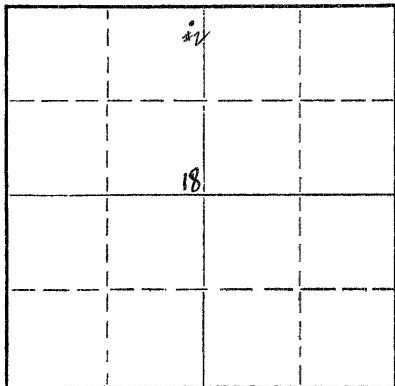
STATE OF KANSAS
STATE CORPORATION COMMISSION

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

NORTH



Locate well correctly on above
Section Plat

Rooks County, Sec. 18 Twp. 9S Rge. 20 (E) (W)

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

Lease Owner Skelly Oil Company

Lease Name Paul Miller Well No. 2

Office Address 1860 Lincoln St., Denver, Colorado 80203

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

Date well completed September 4, 19 56

Application for plugging filed January 23, 19 68

Application for plugging approved January 24, 19 68

Plugging commenced February 2, 19 68

Plugging completed February 6, 19 68

Reason for abandonment of well or producing formation Uneconomical to operate.

If a producing well is abandoned, date of last production June 2, 19 66

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 Leo Massey

Producing formation Arbuckle Depth to top 3784 Bottom 3795 Total Depth of Well 3795 Feet

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

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Arbuckle	Oil	3784'	3795'	5-1/2"	3784'	0
				8-5/8"	276	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.

Plugged as follows by Halliburton: 1200' to surface with 350 sacks of 50-50 Pozmix cement. Annulus plugged off. Unable to pump in at 400#. Job completed 2:00 p.m. 2/6/68

RECEIVED

STATE CORPORATION COMMISSION

MAR 27 1968

CONSERVATION DIVISION

Wichita, Kansas

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

Name of Plugging Contractor Halliburton, Inc.

Address Hays, Kansas

STATE OF Colorado, COUNTY OF Denver, ss.

Leland Franz (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) Leland Franz

1860 Lincoln St., Denver, Colorado 80203

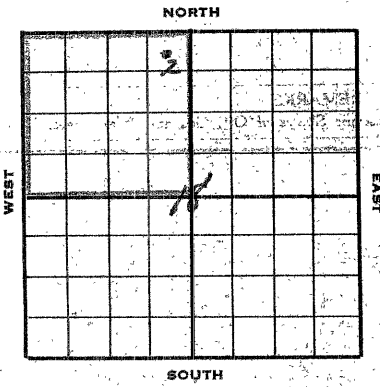
(Address)

SUBSCRIBED AND SWORN TO before me this 22nd day of March, 19 68

My commission expires June 17, 1970

Notary Public.

SKELLY OIL COMPANY



Well Record

Lease Name and No. Paul Miller Well No. 2 Elev. 2239
 Lease Description 1/4 Section 18-92-20N,
Rooks County, Kansas (160 Acres)
 Location made August 4, 1956 by P. J. Cussen
330 feet from North line 330 feet from East line 80/4
 feet from South line feet from West line of Sec. 18

Work com'd. 3/5 19 56 Rig comp'd 8/5 19 56 Drlg. com'd 8/5 19 56 Drlg. comp'd 8/18 19 56

Rig Contractor Claude Wentworth Drilling Co., Inc.
 Drilling Contractor Claude Wentworth Drilling Co., Inc., Tulsa, Oklahoma
 Rotary Drilling from 0' to 3795' Cable Tool Drilling from To complete to

Commenced Producing September 4, 19 56 Initial Prod. before shot or acid 300' OIH in 3 hrs.
 Initial Prod. after shot or acid 1000 gals. in 6 hrs. 43.62 BO 3
ltr. to casing. 24 hr. 800 potential 131

Dry Gas Well Press. Volume
 Casing Head Gas Pressure Volume
 Braden Head (8-5/8" 2551" OD) Gas Pressure Volume
 Braden Head () Gas Pressure Volume

PRODUCING FORMATION Arbuckle Lime Top 3784' Bottom 3795' TOTAL DEPTH 3795'

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	33	276'				7	269	0	Armen SW A	175	Halliburton	
	5-1/2"	14	82					42	1580	0	J55 R3 SS A			
	5-1/2"	14	82	3784'				72	2232	6	J55 R2 SS A	175	Halliburton	
(8-5/8" casing set 2' in collar and 1/2" casing top to next floor)														
Used 1 - 5/8" Larkin 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	<u>8/25/56/56</u>			
Acid Used	<u>500</u>			
Size Shot	<u>500</u>			
Shot Between	<u>3784 Ft. and 3795 Ft.</u>			
Size of Shell				
Put in by (Co.)	<u>Halliburton</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>Heshner Shale</u>	<u>3437'</u>						
<u>Toronto Lime</u>	<u>3466'</u>						
<u>Lansing Lime</u>	<u>3480'</u>						
<u>Conglomerate</u>	<u>3767'</u>						
<u>Arbuckle Lime</u>	<u>3790'</u>				<u>3784'</u>	<u>3795'</u>	

CLEANING OUT RECORDS

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

(See Reverse for Record of Formation)

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
Surface soil, sand and shale	0	160	
Shale and sand	160	276	Set and cemented 6-5/8" OD, 21.7#, R-2, Arco S.V., S.S. steel casing (1 cond.) at 276' with 175 sacks of common cement and 2% calcium chloride. Cement circulated.
Shale	276	520	
Shale and shells	520	1160	
Shale and sand	1160	1520	
Shale and shells	1520	2335	TOP ANHYDRITE 1735' BASE ANHYDRITE 1765' TOP WILMINGTON 2020' BASE WILMINGTON 2120' TOP NEVA 2718' BASE NEVA 2732'
Shale and lime	2335	3566	TOP MISSOURI SHALE 2437' TOP MISSOURI LIME 2460' TOP LANSING LIME 2480'
Light gray calcitic lime	3566	3569	Poor porosity, spotted stain
Lime	3569	3572	
Buff calcitic lime	3572	3577	Fair porosity, no oil stain
Lime	3577	3610	
Fine, fine crystalline lime	3610	3612	Poor porosity, spotted saturation
Lime	3612	3643	
Light gray to tan, fine crystalline dense lime	3643	3650	Poor porosity, spotted stain
Lime	3650	3787	BASE KANSAS CITY LINE 3700' TOP CONGLOMERATE 3767' TOP ANHYDRITE LINE 3790'
Gray, fine to medium crystalline dolomite	3787	3795	Poor to fair porosity, spotted stain, specks of free oil.
GROSS SWING			
<p style="text-align: center;">RECEIVED STATE CORPORATION COMMISSION CONSERVATION DIVISION Wichita, Kansas MAR 27 1968</p>			
TOTAL DEPTH 3795'			<p>Run Halliburton drill stem test, packer set at 3758', used 37' sucker, open 1 hour, wash blow, recovered 125' of heavy oil cut gum, 1PP-35%, 7PP-75%, DNP-830'.</p>

Set and cemented 10' of 5" OD, 14#, 68 thd., R-2, 1-55, S.S. casing (1 cond.); and 2732' of 5" OD, 14#, 68 thd., R-2, 1-55, S.S. casing (1 cond.) at 3764' with 175 sacks of common cement. Finished cementing at 4:00 a.m. 8/19/56. Opened stage collar at 3795' with 900-CP. Circulated 1 hour, spotted 140 barrels of heavy crude oil behind 5" casing and oil circulated. Closed stage collar with 1400# pressure and finished at 7:00 a.m. 8/19/56.

Rigged up cable tools and snubbed and bailed the hole dry to stage collar at 3220' and 5/8" casing tested dry. Drilled stage collar and bailed and cleaned out to 3752' and 3/4" casing tested dry. Drilled cement plug and cleaned out to 3795' and cement job tested OK. 100' of oil in hole in 1 hour, 200' OIH in 2 hours, and 300' OIH in 3 hours, no water. Bailed the hole clean and ran 7" tubing and treated with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT No. 1 - Between 3795' and 3770'

Treatment put in 6/25, 26/56 by Halliburton, using 500 gallons of acid and 24 barrels of oil.

TIME	CP	IF	REMARKS
10:20 pm			Filled hole with 80 barrels of oil
10:55 pm			Start acid
11:20 pm	300		Acid on formation
11:33 pm	250		100 gallons of acid in formation
12:40 am	250		300 gallons of acid in formation
1:30 am	175		400 gallons of acid in formation
2:50 am	0		500 gallons of acid in formation

Run rods and POC 2 hours, 41 barrels of oil used in treating and no water. On August 26, POC 3 hours, 39 barrels of oil used in treating. Then POC 21 hours, 63 barrels of oil and 6 barrels of water. Moved out cable tools and shut down to install regular pumping equipment.

On September 4, POC 8 hours on State Corporation Commission physical potential test, 43.62 barrels of oil and 1 barrel of water to establish 24 hour P.C.C. potential of 131 barrels; allowable 24 barrels per day. On September 5, pulled rods and tubing and ran Lane-Ville Gamma Ray neutron survey from 3795' to 0'. Reran tubing and rods and put well on regular operation.

SLURRY TEST DATA: Tests were taken at 100', 500', 1500', 2000', 2500', and 3000' with no deviation from vertical noted.