

STATE OF KANSAS
STATE CORPORATION COMMISSION

WELL PLUGGING RECORD

OR
FORMATION PLUGGING RECORD

Strike out upper line
when reporting plug-
ging off formations.

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

Barber County, Sec 22 Twp 33S Rge (E) 12 (W)

Location as "NE 1/4 NW 1/4 SW 1/4" or footage from lines SE/4 NW/4 SE/4 Sec. 22

Lease Owner Skelly Oil Company

Lease Name A. N. Harbaugh "B" Well No. 1

Office Address Box 1650, Tulsa, Oklahoma

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

Date well completed September 16, 19 48

Application for plugging filed September 18, 19 48

Application for plugging approved September 20, 19 48

Plugging commenced September 17, 19 48

Plugging completed September 17, 19 48

Reason for abandonment of well or producing formation Dry Hole

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

Was permission obtained from the Conservation Division or its agents before plugging was com-
menced? Yes (verbally)

Name of Conservation Agent who supervised plugging of this well C. D. Stough

Producing formation Dry Depth to top Bottom Total Depth of Well 5179 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
Simpson Sand	Dry	5122'	5179'	8-5/8"	1637'5"	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.

50 sacks of cement 5179' to 5019'
Mud laden fluid 5019' to 1600'
20 sacks of cement 1600' to 1525'
Mud laden fluid 1525' to 300'
20 sacks of cement 300' to 225'
Mud laden fluid 225' to 30'
10 sacks of cement 30' to 6'
Surface soil 6' to 0'

RECEIVED
Conservation
DEC - 1 1948
STATE CORPORATION
COMMISSION
KANSAS

Correspondence regarding this well should be addressed to Skelly Oil Company
Address Box 391, Hutchinson, Kansas

STATE OF Kansas COUNTY OF Reno
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.

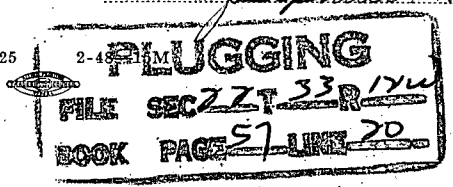
(Signature) [Handwritten Signature]

Box 391, Hutchinson, Kansas (Address)

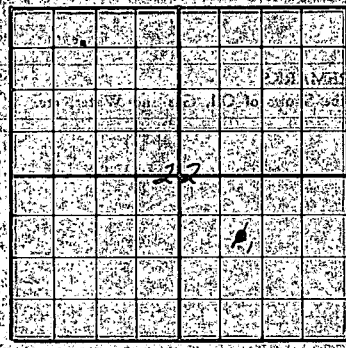
SUBSCRIBED AND SWORN to before me this 30th day of November, 19 48

My commission expires April 7, 1951

Josephine L. Johnson Notary Public.



SKELLY OIL COMPANY



Well Record

Lease Name and No. _____ Well No. _____ Elev. _____

Lease Description: 22-77-123
Union County, Kansas

Location made August 19, 1948 by C. J. Rieker
290 feet from North line 300 feet from East line
290 feet from South line 290 feet from West line of 200.22

Work com'd 8/16 1948 Rig comp'd 8/18 1948 Drlg. com'd 8/13 1948 Drlg. comp'd 9/16

Rig Contractor: Overland Drilling Company

Drilling Contractor: Overland Drilling Company, Great Road, Kansas

Rotary Drilling from Top to 5175' Cable Tool Drilling from _____ to _____

Commenced Producing _____ 19____
Initial Prod. before shot or acid _____
Initial Prod. after shot or acid _____

Dry Gas Well Press _____ Volume _____

Casing Head Gas Pressure _____ Volume _____

Braden Head (_____ Size) Gas Pressure _____ Volume _____

Braden Head (_____ Size) Gas Pressure _____ Volume _____

PRODUCING FORMATION 22-77-123 (Name) Top _____ Bottom _____ TOTAL DEPTH 5175'

CASING RECORD

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"	29	1630					53	1637	5	110 112 0 4	315	Millinerton	
10-7/8"	47	1630					0-1.00'						

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				
Acid Used Size Shot		Gals. Qts.	Gals. Qts.	Gals. Qts.
Shot Between	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	
Lanning Line	5090'						
Mississippi Line	4615'						
Hinterhook Shale	4912'						
Viola Line	5021'						
Rayson Shale	5116'						
Clayton Sand	5122'						

CLEANING OUT RECORDS

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

PLUGGING BACK AND DEEPENING RECORDS

	Date Commenced	Date Completed	No. Feet Plugged Back or Deepened	Prod. Before	Prod. After	REMARKS

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS
			Indicate Casing Points, Describe Shows of Oil, Gas, and Water, etc.
Shale and sand	0	150	
Shale and sand	150	545	
Shale and sand	545	755	
Shale and sand	755	1105	
Shale and sand	1105	1335	
Shale	1335	1420	
Shale	1420	1460	
Shale and lime	1460	1650	Set and cemented 8-9/16" on 1 1/2" N.P. 40-40, 4-2, National Semicon steel casing at 1650' with 1 1/2" annular cement. 1650' to 1660' is plugged to cement.
Lime	1650	1675	
Lime	1675	1695	
Sandy lime	1695	1910	
Shale and sand	1910	2010	
Lime	2010	2210	
Lime and shale	2210	2715	
Shale	2715	3260	
Lime and shale	3260	3270	
Shale	3270	3520	
Shale and lime	3520	3520	
Shale	3520	3910	
Lime and shale	3910	4225	
Lime	4225	4315	
Lime and shale	4315	4515	4515'-22' grey fine crystalline slightly porous lime with black asphaltic stain, no odor or evidence of live oil.
Lime	4515	4575	
Red, amber and light grey chert	4575	4585	slightly vuggy porosity with black asphaltic stain
Grey shale	4585	4588	
Red, amber and light grey chert	4588	4592	
Grey shale with trace of chert and light grey finely crystalline lime	4592	4600	
Lime and shale	4600	4620	
Chert and lime	4620	4623	
Light grey chert	4623	4640	fair porosity w/ black asphaltic stain
Shale and chert	4640	4651	test with 1 1/2" drill stem test with pressure at 4582', 0.001-0.001 barrels, recovered 1.001' water.
Lime	4651	4659	
Lime, shale and chert	4659	4710	
Lime and shale	4710	4805	
Lime	4805	4900	
Lime and shale	4900	4945	
Shale	4945	5042	
units to light grey fine crystalline dolomite and white nodules in coarse crystalline lime, grey shale and light grey chert	5042	5045	
Lime	5045	5045	
Lime and chert	5045	5075	
Lime and shale	5075	5122	
Grey coarse sand	5122	5130	air to look porosity, no shows
Sand and shale	5130	5135	
Coarse grained grey porous sand	5135	5136	no shows
Grey shale	5136	5138	
Medium coarse grained sand	5138	5140	fair porosity, spotted oil stain
Grey shale	5140	5142	
Grey shale with thin sand streaks	5142	5154	fair porosity, asphaltic deposit
medium to coarse grained sand	5154	5157	fair porosity, asphaltic deposit
Grey shale, slightly sandy	5157	5179	fair porosity, asphaltic deposit

PLUGGING
 FILE SEC 22 33 RW
 BOOK PAGE 57 LINE 20

Run Schlumberger survey, and since no oil or gas in commercial quantities has been encountered in drilling to the total depth of 5179', regular authority was granted on September 16, to plug and abandon the well. On September 17, the well was plugged and abandoned.

STORM TIDE DATA

<u>DEPTH</u>	<u>ANGLY OF DEFLECTION</u>
250'	0 Degrees
500'	0
750'	1/2
1000'	1/2
1500'	0
1750'	0
2000'	0
2250'	0
2500'	0
2750'	0
3000'	0
3250'	0
3500'	1/2
3750'	0
4000'	0
4250'	0
4500'	0
4750'	0
5000'	0

ANALYSIS OF SALINE

Ochley Oil Company Laboratories
El Dorado, Kansas

Sample No. C-48-9-11

Marked: A. H. Harbaugh "D" well No. 1 - Depth taken 4582' to 4631' -
Taken by C. A. Richter 9/9/48

Sample received 9/9/48

	<u>Grains per Gallon</u>	<u>Parts per Million</u>	<u>Percent by Weight</u>
Chlorides expressed as NaCl.	13,000	222,554	22.2934
Chlorides expressed as Cl.	7,686	134,987	13.4987
Sulphates expressed as CaSO ₄	3.88	63.6	.00639
Sulphates expressed as SO ₄	2.60	44.5	.00445

Analysis by C. L. Fry, F. Clayton