

WELL PLUGGING RECORD

OR

FORMATION PLUGGING RECORD

Strike out upper line when reporting plugging of formations.

STATE OF KANSAS
STATE CORPORATION COMMISSION

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

Barber

County. Sec. 4 Twp. 33S Rgc. (E) 12 (W)

Location as "NE1/4NW1/4SW1/4" or footage from lincs. 990' FSL & 990' FEL SE/4

Lease Owner..... Skelly Oil Company

Lease Name..... George Colborn

Well No. 1

Office Address..... Box 1650, Tulsa, Oklahoma

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

Date well completed..... April 22, 19 48

Application for plugging filed..... April 23, 19 48

Application for plugging approved..... April 26, 19 48

Plugging commenced..... May 31, 19 48

Plugging completed..... June 4, 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 commenced?..... Yes 4892'

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

Producing formation..... none Depth to top..... Bottom..... Total Depth of Well..... 4236' Feet

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

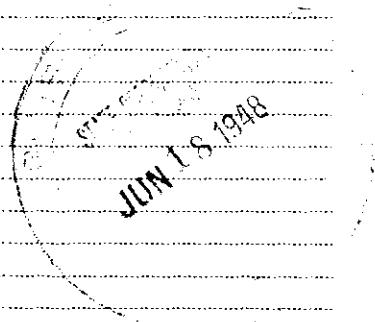
OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	OD Size	Put In	Pulled Out
Simpson Sand	Dry	4785'	4892'	8-5/8"	1656'0"	None
				5-1/2"	4824'0"	3468'1"

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.

5 sacks cement 4236' to 4138'
Mud laden fluid 4138' to 1000'
Wood plug 1000'
15 sacks of cement 1000' to 950'
Mud laden fluid 950' to 200'
20 sacks of cement 200' to 145'
Mud laden fluid 145' to 30'
10 sacks of cement 30' to 6'
Surface soil 6' to 0'



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

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.

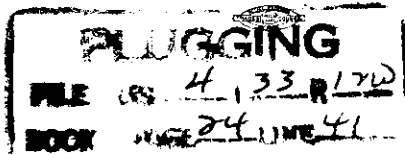
(Signature)

Box 391, Hutchinson, Kansas (Address)

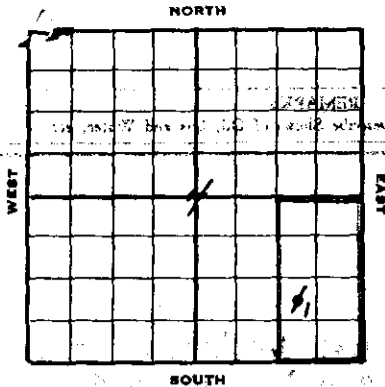
SUBSCRIBED AND SWORN TO before me this 17th day of June, 19 48

My commission expires April 7, 1951

Josephine S. G... Notary Public.



SKELLY OIL COMPANY



Well Record

Lease Name and No. **Geo. Colborn #12196** Well No. **1** Elev. **1100'DY**
 Lease Description **3/2 Sec. 3, and 1/2 NE/4 of Sec. 4-330-12N, Barber County, Kansas**

Location made **January 17, 1948** by **Barber County Engineer**
 feet from North line **990** feet from East line **52/4**
 feet from South line **990** feet from West line of **Sec. 4**

Work com'd **1/21 1948** Rig com'd **1/26 1948** Drlg. com'd **1/26 1948** Drlg. comp'd **2/25 1948**

Rig Contractor **H and T Drilling Company**
 Drilling Contractor **H and T Drilling Company, Great Bend, Kansas**

Rotary Drilling from **Top** to **4892'** Cable Tool Drilling from **to complete** to

Commenced Producing **DRY HOLE** 19 **1948** 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 **(8-5/8" x 3 1/2" OD)** Gas Pressure _____ Volume _____ Cu. ft.

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

PRODUCING FORMATION **DRY HOLE** (Name) Top _____ Bottom _____ TOTAL DEPTH **4892'**

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"	28 1/2	8V	1643'				81	1656	0	R1 LK	0	700	Halliburton
5-1/2"	17 1/2	BR	4783'	110	3468	1	44	1355	11	J55 22 28 C	0	125	Halliburton
(8-5/8" OD casing set 7' in collar and 5 1/2" cased to derrick floor) (Perforated 5 1/2" casing from 4204'-4206' with 4 holes, 4210'-4216' with 33 holes, all cemented off)													
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	4/2/48			
Acid Used	80			
Size Shot	8"			
Shot Between	4810 Ft. and 4794 Ft.	Ft. and Ft.	Ft. and Ft.	Ft. and Ft.
Size of Shell	8"			
Put in by (Co.)	Lore Neuf Dept			
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 Linn	3810'				4200	4225	20% oil stain, fair oil odor
Mississippi Linn	4380'				4380	4380	slight oil stain
Viana Linn	4697'						
Simpson Sand	4783'				4793	4793	some gas, 20% oil stain and oil odor
					4793	4803	porous, med. saturation
					4803	4810	slight saturation

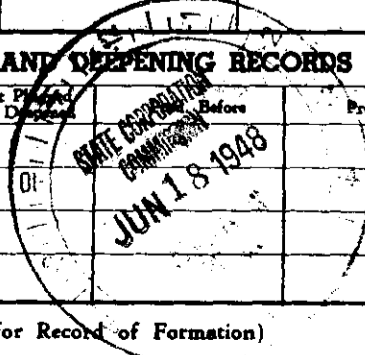
CLEANING OUT RECORDS

	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, sand and clay	0	230	
red sand and shells	230	250	
shale and shells	250	1110	
shale, shells and sand	1110	1265	
shale and shells	1265	1605	
lime	1605	1645	Set and cemented 5-1/2" OD, 20', 17/8" thread, Range 1, Lay-weld stem casing at 1645' with 700 sacks of cement and 20 sacks of squalite.
lime	1645	2120	
shale and lime	2120	2120	
lime	2120	2520	
lime and shale	2520	3320	
sand, lime and shale	3320	3520	
sandy lime and shale	3520	3620	
lime and shale	3620	3825	TOP LANSING LIME 3810'
lime	3825	4175	
lime and shale	4175	4210	
Porous calcitic lime	4210	4225	20% oil stain, fair oil odor
lime and shale	4225	4380	TOP HIGHLAND LIME 4180'
weathered chert	4380	4388	Slight oil stain
Dense cherty lime	4388	4599	Run Halliburton drill stem test with packer set at 4388', open 30 minutes, recovered 20' of mud, no oil or gas.
lime	4599	4430	
lime and shale	4430	4540	
lime, shale and chert	4540	4560	
lime and shale	4560	4697	TOP VIOLA LIME 4527'
Grey finely crystalline dolomite	4697	4701	Slightly porous
Grey finely crystalline dolomite with little chert	4701	4707	No porosity
Dense finely crystalline dolomite	4707	4717	No porosity
lime	4717	4780	Run Halliburton drill stem test with packer set at 4717', open 45 minutes, recovered 20' of drilling mud, no oil or gas.
shale and lime	4780	4785	TOP SHERMAN SAND 4780'
Sand and sandy dolomite	4785	4795	Some porosity, 20% oil stain and oil odor in samples. Run Halliburton drill stem test with packer set at 4785', open 30 minutes, and recovered 330' of mud and water, no oil or gas
Grey and brown friable sand	4795	4805	Porous, medium saturation
Sand	4805	4810	Slight saturation
Sand	4810	4815	Run Halliburton drill stem test with packer set at 4797', open 30 minutes, recovered 160' of oil and mud
Sand	4815	4840	
Shale	4840	4892	

PLUGGING

FILE SEC. **KT 33 R 120**

BOOK PAGE **24 LINE 41**

On February 26, plugged back through drill pipe with 33 sacks of cement from 4822' to 4830', and on February 27, set and cemented 5 1/2" OD, 17/8" Srd. thd. Grade 7-33, Range 2, Seamless steel casing at 4785' S.M. with 129 sacks. Finished cementing at 10:00 on 2/27/48.

Rigged up cable tools and bailed the hole dry on March 29. Drilled cement plug to 4717', then landed the hole with 300' of water, drilled balance of cement plug and cleaned out to bottom. Correction: 4830' S.M. rotary table equals 4827' S.M. Bailed hole dry and tested 1 hour, 1 barrel of water with seum of oil. On March 31, bailed 18 hours, 4 gallons of oil and 1 barrel of water per hour.

On April 1, plugged back with chert from 4827' to 4818'. Shot with 80 quarts of nitro-glycerin using 3 - 20 quart 4" shells, and dumped 20 quarts on top of shells from 4818' to 4824'. Used Long-Hour Bomb and shot went off at 1:00 PM 4/1/48, shot was topped with 175' of chert. After shot, cleaned out to bottom, then scrubbed the hole down. Bailed and tested 18 hours, 4 barrels of water with a seum of oil per hour, swabbing into pits.

On April 6, scrubbed through 5 1/2" casing 18 hours, 10 gallons of oil and 5 gallons of water per hour. On April 7, set Lane-wells bridging plug at 4240', filled hole with Injolia sand from 4240' to 4216', then perforated 5 1/2" casing by Lane-wells from 4204' to 4206' with 4 holes and hole filled 3000' with mud and water in 10 minutes.

TOTAL DEPTH	4892'	to 4236'	
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On April 9, ran Baker cement retainer on 2 1/2" tubing and set retainer at 4181'. Cemented off perforations in 5 1/2" casing from 4204' to 4206' with 125 sacks of cement. Raised tubing 600' and shut down for cement to set.

On April 13, pulled 2 1/2" tubing and bailed the hole dry, drilled cement retainer and cleaned out to bottom. Bailed and tested 24 hours, 1 1/2 barrels of salt water with some of oil per hour. On April 16, ran Baker cement retainer and set retainer at 4163', then recemented perforations from 4204' to 4206' with 150 sacks of cement, maximum TP-5000'. On April 19, pulled tubing and bailed the hole dry. Drilled cement plug and cleaned out to bottom and cement job tested OK.

On April 21, perforated 5 1/2" casing by Lane-wells from 4210' to 4216' with 35 holes, then bailed and tested 17 hours, 60 gallons of water and no oil per hour. On April 23, regular authority was granted to plug and abandon the well.

Moved in plugging machine on May 31, 1948, and plugged the well as follows:

5 sacks of cement	4236' to 4138'
Mud laden fluid	4138' to 1000'
wood plug	1000'
15 sacks of cement	1000' to 950'
Mud laden fluid	950' to 200'
20 sacks of cement	200' to 145'
Mud laden fluid	145' to 30'
10 sacks of cement	30' to 6'
Surface soil	6' to 0'

Plugged and abandoned June 4, 1948.

GLOVE TEST DATA

DEPTH	ANGLE OF DEFLECTION
250' to 3250'	0 Degree
3600'	1/2 "
3950'	1/2 "
4000'	0 "
4250'	1/2 "
4500'	1/2 "

Skelly Oil Company Laboratories
21 Dorado, Kansas

ANALYSIS OF WATER

Sample No. C-48-4-12
Taken From: 4827' by Floyd Kent 4/7/48 and received 4/9/48

	Grains per Gallon	Parts per million	Percent by weight
Chlorides expressed as NaCl . . .	9040.0	154,747	15.4747
Chlorides expressed as Cl	5483.6	93,868	9.3868
Sulphates expressed as CaSO ₄ . . .	32.08	549	.0549
Sulphates expressed as SO ₄	22.64	388	.0388

Sample No. C-48-4-22
Taken From: 4204' to 4206' by Floyd Kent 4/17/48 and received 4/19/48

Chlorides expressed as NaCl	10,800.0	184,874	18.4874
Chlorides expressed as Cl	6,551.2	112,143	11.2143
Sulphates expressed as CaSO ₄ . . .	47.14	807	.0807
Sulphates expressed as SO ₄	33.26	569	.0569

