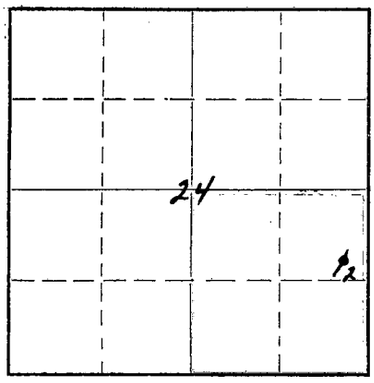
15-065-02279-00-00

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

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Graham County. Sec. 24 Twp. 9S Rge. (E) 21 (W)
Location as "NE/CNW¼SW¼" or footage from lines SE/4 NE/4 SE/4
Lease Owner Skelly Oil Company
Lease Name Flora Barry Well No. 2
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed July 5, 1949
Application for plugging filed July 7, 1949
Application for plugging approved July 8, 1949
Plugging commenced August 2, 1949
Plugging completed August 9, 1949
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

Name of Conservation Agent who supervised plugging of this well Mr. C. D. Stough
Producing formation none Depth to top ..... Bottom ..... Total Depth of Well 3835 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
Arbuckle Lime	Dry	3826'	3835'	8-5/8"	295'6"	None
				5-1/2"	3857'0"	2656'0"

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.

13 gallons of plastic	3835' to 3831'
Bridging plug	3630'
Sand and rock	3630' to 3605'
5 sacks of cement	3605' to 3565'
Mud laden fluid	3565' to 299'
Bridged hole w/ rock	299'
15 sacks of cement	299' to 253'
Mud laden fluid	253' to 30'
10 sacks of cement	30' to 6'
Surface soil	6' to 0'

RECEIVED
AUG 31 1949
STATE CORPORATION COMMISSION
8-31-49

(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, 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) H. E. Wamsley
Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 30th day of August, 19 49

Josephine L. Johnson
Notary Public.

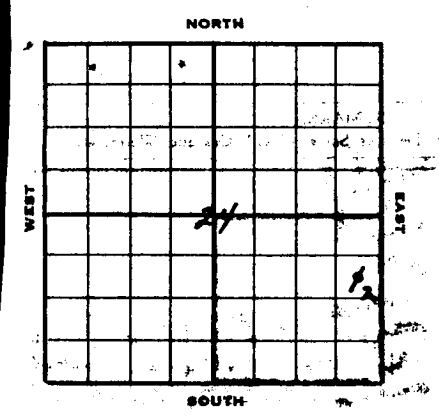
My commission expires: April 7, 1951

22-5133-s 9-48—10M

PLUGGING
FILE SEC 24 T 9 R 21W
BOOK PAGE 104 LINE 23

Form N47A Rev.

15-065-02279-00-00



SKELLY OIL COMPANY

Well Record

2245' NE
2250' EF

Lease Name and No. Flora Barry #35437 Well No. 2 Elev.

Lease Description SE/4 of Section 24-9S-21W,
Graham County, Kansas

Location made May 10, 1949 by P. J. Cussen

990 feet from North line 330 feet from East line } SE/4
feet from South line feet from West line } of Sec. 24

Work com'd 5/15 1949 Rig comp'd 5/17 1949 Drlg. com'd 5/17 1949 Drlg. comp'd 6/1 1949

Rig Contractor Claude Wentworth Drilling Co., Inc.

Drilling Contractor Claude Wentworth Drilling Co., Inc., Tulsa, Oklahoma

Rotary Drilling from Top to 3835' Cable Tool Drilling from To complete to

Commenced Producing DRY HOLE 19 — 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"x5½"OD) (Size) Gas Pressure ____ Volume ____ Cu. ft.

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

PRODUCING FORMATION DRY HOLE (Name) Top ____ Bottom ____ TOTAL DEPTH 3835'

CASING RECORD

OD Size	Wt.	Thds.	Where Set	PULLED OUT Jts.	PULLED OUT Feet	PULLED OUT In.	LEFT IN Jts.	LEFT IN Feet	LEFT IN In.	KIND	Cond'n	CEMENTING Sacks Used	CEMENTING Method Employed
8-5/8"	32	8R	299'				10	295	6	755 R2 RSW	A	150	Halliburton
5-1/2"	15½	8R	3827'	82	2636	0	38	1201	0	755 R2 SB	A	200	Halliburton
										Lot #76			
(8-5/8"OD casing set 6' in cellar and 5½" cased to derrick floor)													
Used 1 - 5½" OD Larkin 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	6/21/49	6/26/49	7/2/49	
Acid Used / Size Shot	300 Gals. / Qts.	250 Gals. / Qts.	300 Gals. / Qts.	Gals. / Qts.
Shot Between	3823 Ft. and 3827 Ft.	3823 Ft. and 3827 Ft.	3823 Ft. and 3826 Ft.	Ft. and Ft.
Size of Shell				
Put in by (Co.)	Dowell Inc.	Dowell Inc.	Dowell Inc.	
Length anchor				
Distance below Cas'g				
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS From	GAS To	OIL From	OIL To	REMARKS
Wabaunsee Shale	3468'						
Toronto Lime	3514'						
Emaline Lime	3528'						
Conglomerate	3736'						
Lansing Shale	3814'						
Kansas Lime	3826'				3826'	3829'	Fair por. and saturation
					3829'	3835'	Poor to fair por. & sat.

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 Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Surface soil and sand	0	10	
Sand	10	100	
Sand and gravel	100	200	
Sand, shells and sand rock	200	300	Set and cemented 8-5/8" OD, 32#, 8R thd., J-55, H-2, R.E.C. steel casing at 299' with 150 sacks of cement and 5 sacks of aquagel.
Drilled 12-1/4" hole			
Shale	300	625	
Shale and sand	625	680	
Shale	680	935	
Sand	935	1300	
Sand and red bed	1300	1735	
Anhydrite	1735	1805	
Shale	1805	1840	
Shale and lime shells	1840	2045	
Shale	2045	2200	
Shale and lime	2200	2595	
Shale	2595	2640	
Lime and shale	2640	3794	TOP HEEBNER SHALE 3498' TOP TORONTO LIME 3514' TOP LANSING LIME 3528' TOP CONGLOMERATE 3794' TOP SIMPSON SAND 3814' TOP ARBUCKLE LIME 3826'
Conglomerate	3794	3814	
Shale	3814	3826	
Fine to medium crystalline dolomite	3826	3829	Fair porosity and saturation
Fine to course crystalline dolomite	3829	3835	Poor to fair porosity and saturation
TOTAL DEPTH DRILLED		3835'	

Ran Halliburton drill stem test with packer set at 3827', open 30 minutes and recovered 35' of drilling mud with show of free oil, S.I.P.-750#.

Set and cemented 5-1/2" OD, 15.5#, 8R thd., J-55, H-2, Seamless steel casing (Lot #76) at 3827' with 200 sacks of cement and 4 sacks of aquagel. Finished cementing at 3:00 p.m. 6/1/49.

Moved in and rigged up cable tools on June 17, bailed the hole dry and 5½" casing tested OK. Drilled cement plug and cleaned out to bottom, 20' water in hole in 1 hour; tested 12 hours, 2-1/2 gallons of water with slight scum of oil per hour.

On June 19, plugged back with 5 gallons of Dowell plastic from 3835' to 3831' at 1100# pressure. On June 20, perforated 5½" casing from 3823' to 3827' with 36 holes by Lane-Wells, no increase in fluid. Ran 2" tubing and treated with 300 gallons of Dowell "[illegible]-18 S-17" acid as follows:

ACID TREATMENT NO. 1 - Between 3823' and 3827'

Treatment put in 6/21/49 by Dowell Inc., using 300 gallons of acid and 94 barrels of oil to fill hole and flush.

TIME	PSI	BPM	REMARKS
1:02 am			Filled hole with 87 barrels of oil
1:05 am			Start acid down tubing
1:25 am			Acid on bottom
1:30 am	550#		Start flush
3:00 am	500#		1/2 barrel of oil in hole to flush
3:20 am	500#		6 barrels of oil in hole to flush
3:40 am	500#		Flushed hole with 7 barrels of oil and treatment completed.

Swabbed out 91 barrels of oil (used in treating) and 20 barrels of water. Ran rods and POB 11 hours, 4 barrels of oil and 90 barrels of water. On June 23, POB 4 hours, 1/4 barrel of oil and 11 barrels of water. Pulled rods and tubing and plugged back with 32 gallons of Dowell plastic from 3831' to 3820' with 900# SP.

On June 24, bailed the hole dry, ran 2" tubing and treated with 250 gallons of Dowell "[illegible]-18 S-17" acid as follows:

ACID TREATMENT NO. 2 - Between [illegible]' and 3827'

Treatment put in 6/24/49 by Dowell Inc., using 250 gallons of acid and 89 barrels of oil to fill hole and flush.

TIME	PSI	BPM	REMARKS
7:12 am			Filled hole with 89 barrels of oil
7:17 am			Start acid
7:35 am	150#	0#	Acid on bottom
9:00 am	400#	300#	42 gallons of acid in formation
9:30 am	450#	350#	84 gallons of acid in formation
10:10 am	500#	425#	126 gallons of acid in formation
10:30 am	500#	450#	157 gallons of acid in formation
11:00 am	450#	450#	250 gallons of acid in formation Flushed hole with 6 barrels of oil and treatment completed.

Swabbed out oil used in treating and 5 barrels of water, ran rods

and FOB 8 hours, 18 barrels of oil and 1 barrel of water. On June 28, FOB 8 hours, 1/2 barrel of oil and 12 barrels of water. Pulled rods and tubing and drilled plastic plug from 3828' to 3831', loaded hole and plugged back with 5 gallons of Dowell plastic from 3831' to 3826' at 1025# CP.

Bailed the hole dry on June 30, then bailed and tested 6 hours, 6 barrels of water with a scum of oil per hour. On July 1, ran 2" tubing and treated with 300 gallons of Dowell "XYF-18 W-17" acid as follows:

ACID TREATMENT NO. 3 - Between 3823' and 3826'

Treatment put in 7/2/49 by Dowell Inc., using 300 gallons of acid and 81 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
3:12 am			Filled hole with 74 barrels of oil
3:16 am			Start acid
3:35 am	150#	0#	Acid on bottom, start flush
4:00 am	400#	300#	31 gallons of acid in formation
4:25 am	350#	275#	115 gallons of acid in formation
4:45 am	250#	200#	199 gallons of acid in formation
5:00 am	175#	175#	300 gallons of acid in formation
			Flushed hole with 7 barrels of oil and treatment completed.

Swabbed out oil used in treating, then swabbed through 2" tubing 2 hours, 23 barrels of water with fainbow show of oil. Pulled rods and tubing and set Lane-Wells bridging plug at 3630', bailed hole dry; then perforated 5½" casing from 3609' to 3610' with 65 holes by Lane-Wells, show of water from 3610' to 3612'. Bailed and tested 6 hours, no oil and 3 barrels of water per hour. On July 6, regular authority was granted to plug and abandon the well.

Moved in plugging machine on August 3, 1949, and plugged the well as follows:

Sand and rock	3630'	to 3605'
15 sacks of cement	3605'	to 3565'
Mud laden fluid	3565'	to 299'
Bridged hole w/ rock		299'
15 sacks of cement	299'	to 253'
Mud laden fluid	253'	to 30'
10 sacks of cement	30'	to 6'
Surface soil	6'	to 0'

Plugged and abandoned August 9, 1949

*Shot off 5½" casing at 3560', unable to pull. Spotted 20 barrels of oil behind 5½" casing, unable to pull; shot off casing at 2702', unable to pull. Shot off casing at 2638' and pulled 81 joints (2656') of 5½" casing.

SLOPE TEST DATA: Tests were taken at 250' intervals from 250' to 3740' inclusive, with no deviation from vertical noted.

WATER ANALYSIS

Skelly Oil Company Pawhuska Research Laboratory
Sample Serial No. 4281 Analysis No. 1507
Water from formation depth 3831'
Date received: 6/29/49 Analysis Completed 7/1/49

	Parts per Million	Grains per Gallon
Total dissolved solids. . .	49,670	2890
Chlorides as Cl	27,480	1600
Chlorides as NaCl	45,300	2640
Sulfate as SO_4.	1,711	99.6
Sulfate as $CaSO_4$.	2,429	142