15-065-02373-00-00

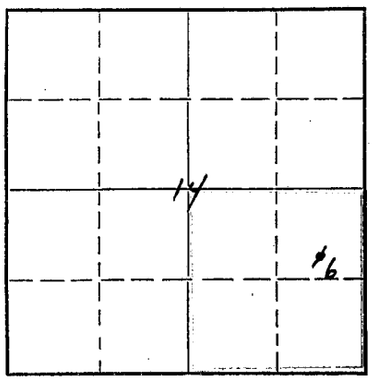
STATE OF KANSAS
STATE CORPORATION COMMISSION

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

Graham County. Sec. 14 Twp. 10S Rge. (E) 21 (W)

NORTH



Locate well correctly on above Section Plat

Location as "NE/CNW¼SW¼" or footage from lines C S/2 NE/4 SE/4
Lease Owner Skelly Oil Company
Lease Name C. R. Acheson Well No. 6
Office Address Box 1650, Tulsa, Oklahoma
Character of Well (completed as Oil, Gas or Dry Hole) Dry Hole
Date well completed August 16, 19 54
Application for plugging filed August 17, 19 54
Application for plugging approved August 18, 19 54
Plugging commenced August 18, 19 54
Plugging completed August 23, 19 54
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. Warren H. Horner
Producing formation Depth to top Bottom Total Depth of Well 3811 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	3780'	3811'	8-5/8"	311'0"	None
					3814'3"	3132'10"

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 of cement	3811' to 3771'
Mud laden fluid	3771' to 3209'
Mud laden fluid	3209' to 318'
100 sacks of cement	318' to 6'
Surface soil	6' to 0'

RECEIVED
STATE CORPORATION COMMISSION
9-11-1954
SEP 11 1954
CONSERVATION DIVISION
Wichita, Kansas

(If additional description is necessary, use BACK of this sheet)
Name of Plugging Contractor Ace Pipe Pulling Company
Address Great Bend, Kansas

STATE OF Kansas, COUNTY OF Reno, ss.
H. E. Wamsley (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)
Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 10th day of September, 19 54

Josephine L. Johnson
Notary Public.

My commission expires April 7, 1955

24-7366-S 3-53-20M

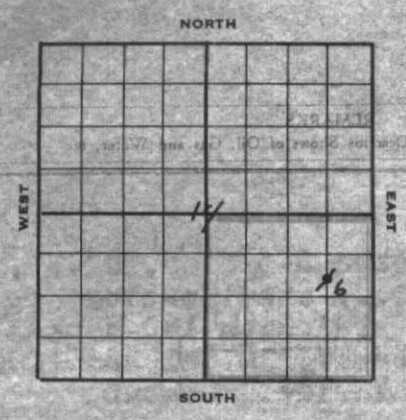
PLUGGING
FILE SEC 14 T 10 R 21W
BOOK PAGE 52 LINE 1

Form N47A Rev.

15-065-02373-00-00

SKELLY OIL COMPANY

Well Record



2223' KB
2220' DF
2216' GR

Lease Name and No. C. R. Acheson #35525 Well No. 6 Elev.

Lease Description 1/4 Section 14-10S-21W,
Graham County, Kansas (160 Acres)

Location made July 19, 1954 by P. J. Cussen

990 feet from North line 660 feet from East line } SE/4
feet from South line feet from West line } of Sec. 14

Work com'd 7/23 1954 Rig comp'd 7/24 1954 Drlg. com'd 7/24 1954 Drlg. comp'd 8/15 1954

Rig Contractor Claude Wentworth Drilling Co., Inc.

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

Rotary Drilling from 0' to 3786' Cable Tool Drilling from 3786' to 3811'

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 (Size) Gas Pressure ____ Volume ____ Cu. ft.

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

PRODUCING FORMATION DRY HOLE (Name) Top ____ Bottom ____ TOTAL DEPTH 3811'

CASING RECORD

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"	22.7	SJ	318'				8	311	0	Armco S.W.	A	160	Halliburton
5-1/2"	14#	SR	3723'	77	2441	0	22	681	5	J55 R2 R&C	B		
5-1/2"	14#	SR		17	691	10				J55 R3 SS	B	250	Halliburton

(8-5/8" casing set 1' in cellar and 5½" cased to derrick floor)

Liner Set at ____ Length ____ Perforated at ____

Liner Set at ____ Length ____ Perforated at ____

Packer Set at ____ Size and Kind ____

SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	8/10/54	8/12/54	8/13/54	
Acid Used / Size Shot	250 Gals. Qts.	500 Gals. Qts.	Gals. Qts.	Gals. Qts.
Shot Between	3779 Ft. and 3786 Ft.	3779 Ft. and 3794 Ft.	3777 Ft. and 3794 Ft.	Ft. and Ft.
Size of Shell				
Put in by (Co.)	Halliburton	Halliburton	Halliburton	
Length anchor				
Distance below Cas'g			Sand-Oil-Frac	
Damage to Casing or Casing Shoulder				

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS From	GAS To	OIL From	OIL To	REMARKS
Heebner Shale	3438'						
Toronto Lime	3463'						
Lansing Lime	3480'						
Conglomerate	3778'						
Arbuckle Lime	3780'						

9-11-1954

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
FILE SEC. 14 T. 10 R. 21W
BOOK PAGE 52 LINE 8

(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, rock and clay	0	260	
Sand, rock and shells	260	318	Set and cemented 8-5/8" OD, 22.7#, Armco . ., . . steel casing (1 cond.) at 318' with 160 sacks of regular cement, 3% Gel and 100% of calcium chloride. Cement circulated.
Sand rock	318	700	
Shale and sand	700	1100	
Shale and shells	1100	1420	
Shale	1420	1440	
Anhydrite	1440	1475	
Shale	1475	1675	TOP ANHYDRITE 1676'
Shale, shells and salt	1675	1935	BASE ANHYDRITE 1713'
Shale and lime	1935	2215	
Lime	2215	2355	
Shale and lime	2355	2520	
Lime	2520	2600	
Shale and shells	2600	2755	
Lime and shale	2755	2895	
Shale	2895	2970	
Shale and lime	2970	3481	TOP TOPEKA LIME 3233'
			TOP HEEBNER SHALE 3438'
			TOP TORONTO LIME 3463'
			TOP LANSING LIME 3480'
Cream, dense lime	3481	3489	Light spotted stain, slight show of free oil, slight odor, fair to poor vugular porosity
Lime	3489	3492	Ran Halliburton drill stem test, packer set at 3474', open 30 minutes, weak blow for 12 mins., recovered 10' rotary mud with few oil specks, SIP-70#.
Lime	3492	3521	
Cream, finely crystalline partly oolitic lime	3521	3528	Trace of light stain, some dead oil, fair vugular porosity
Lime	3528	3552	
Cream, finely crystalline cherty lime	3552	3558	Dead oil stain, poor to fair vugular porosity
Lime	3558	3567	
Cream to tan, finely crystalline to dense fossiliferous lime	3567	3572	Trace of faded oil stain, fair porosity
Lime	3572	3650	
Cream, light tan, dense to chalky sucrosic lime	3650	3658	Trace of stain, fair vugular porosity. Ran Halliburton drill stem test, packer set at 3647', used 11' anchor, open 30 minutes, recovered 5' rotary mud, no oil, SIP-0#.
Lime	3658	3675	
Cream to gray fine crystalline lime	3675	3683	Very spotted light stain, poor porosity
Lime	3683	3762	
Medium crystalline dolomite	3762	3786	TOP KANSAS CITY LIME 3778' BASE KANSAS CITY LIME 3780' Good saturation, fair porosity, good oil stain. Ran Halliburton drill stem test, packer set at 3777', open 30 minutes, weak blow for 7 mins., recovered 15' of oil cut mud and found anchor partially plugged, SIP-640#, flowing pressure 60#.

Set and cemented 3122' of 5½"OD, 14#, 8R thd., R-2, J-55, A.P.I. steel casing (3 cond.); and 692' of 5½"OD, 14#, 8R thd., R-3, J-55, Pittsburgh . . Casing (2 cond.) at 3783' w/250 sacks of common cement with 3% Gel. Finished cementing at 9:00 p.m. Opened stage collar at 3209' with 1000# CP and circulated 1 hour. Spotted 150 barrels of heavy mud in 5½" casing, oil circulated, then closed stage collar. Finished at 12:00 midnight 8/4/54.

Rigged up cable tools and swabbed and bailed the hole dry on August 8, to stage collar at 3209' and 5½" casing tested dry. Drilled stage collar and swabbed and cleaned out to 3769' and 5½" casing tested dry. Drilled cement plug and cleaned out to bottom. Cement job tested. Bailed and tested 2 gallons of oil and 4 gallons of water per hour. Ran Lane-Wells Gamma Ray Neutron Survey.

PLUGGING

On August 10, perforated 5½" casing from 3779' to 3782' with 12 Lane-Wells Kone shots, no fluid change. Ran 2" tubing and treated with 250 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 1 - Between 3779' and 3786'

Treatment put in 8/10/54 by Halliburton, using 250 gallons of acid and 91 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
5:20 pm			Filled hole with 91 barrels of oil
5:35 pm			Acid on bottom
7:35 pm	1000#	900#	65 gallons of acid in formation
7:55 pm	1350#	1250#	
8:15 pm	1300#	1250#	180 gallons of acid in formation
8:34 pm	1300#	1300#	250 gallons of acid in formation

Swabbed through 2" tubing 3 hours, 40 barrels of oil used in treating. Ran rods and PUB 5 hours, 38 barrels of oil used in treating and well pumped off. On August 11, pulled rods and 2" tubing and swabbed and bailed the hole dry. Tested 2 gallons of oil and 4 gallons of water per hour. Drilled deeper as follows:

Gray and brown, finely crystalline dolomite	3786	3787	Poor porosity, slight stain, no increase in fluid
Same	3787	3788	
Same with slight trace of green shale	3788	3789	
Same	3789	3790	Tested 2 gallons of oil and 4 gallons of water per hour.
Gray and brown, medium crystalline dolomite with trace pink chert	3790	3792	Poor porosity and saturation, no increase in fluid
Same with very slight show of chert	3792	3794	No increase in fluid

Filled hole with 94 barrels of oil and treated with 500 gallons of Halliburton 15% acid as follows:

ACID TREATMENT NO. 2 - Between 3779' and 3794'

Treatment put in 8/13/54 by Halliburton, using 500 gallons of acid and 94 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS
7:35 pm			Loading hole
8:00 pm			Start to spot acid
8:12 pm	300#	0#	Acid on bottom
9:00 pm	1000#	750#	60 gallons of acid in formation
9:30 pm	1000#	800#	140 gallons of acid in formation
9:45 pm	750#	650#	260 gallons of acid in formation
10:00 pm	650#	650#	350 gallons of acid in formation
10:25 pm	650#	650#	500 gallons of acid in formation

Swabbed through 2" tubing 4 hours, 62 barrels of oil used in treating. Pulled 2" tubing and reran tubing with Halliburton HM packer. Filled hole with 70 barrels of oil and set packer at 3735'. Pressured annulus to 800#. Well took 4½ barrels of oil per minute at 3500#-TP on input test below packer. Treated with Halliburton Sand-Oil-Frac as follows:

SAND-OIL-FRAC TREATMENT NO. 1 - Between 3779' and 3794'

Used 1000# of sand
30 barrels of heavy crude oil
Maximum TP-4150#, broke to 3300#
Used 156 barrels oil to fill and flush
Time 1 hour and 55 minutes

Pulled tubing and packer and bailed hole clean. Swabbed through 5½" casing 3 hours, 96 barrels of oil used in treating. On August 14, swabbed through 5½" casing 4 hours, 30 barrels of oil used in treating with trace of water and swabbed to bottom. Bailed and tested 3 hours, 5 gallons of oil and 15 gallons of water per hour. Drilled deeper:

White to gray, medium hard finely crystalline dolomite	3794	3796	Slight porosity, no shows, no increase in fluid
Same	3796	3798	
Same	3798	3800	
Same	3800	3802	No increase in fluid
White to gray medium crystalline dolomite	3802	3804	Poor porosity with spotted heavy dead oil stain, no increase in fluid
Same with show of pyrites and green shale	3804	3806	No increase in fluid
Green shale	3806	3811	Hole started caving

TOTAL DEPTH 3811'

Since no oil or gas in commercial quantities were encountered drilling to the total depth of 3811', regular authority was granted to plug and abandon the well.

On August 18, moved in machine of Ace Pipe Pulling Company and the well was plugged as follows:

5 sacks of cement	3811' to 3771'
Mud laden fluid	3771' to 3209'

Shot off 5½" casing at 3122' and pulled 2441' of 5½"OD, 14#, 8R S.S.W. steel casing (3 cond.); and 692' of 5½"OD, 14#, 8R thd., J-55, S.W. casing (1 cond.).

Mud laden fluid	3209' to 318'
100 sacks of cement	318' to 6'
Surface soil	6' to 0'

Plugged and abandoned August 23, 1954.