15-135-00295-00-00

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

OR

FORMATION PLUGGING RECORD

Strike out upper line when reporting plugging off formations.

NORTH

Locate well correctly on above Section Plat

Ness County. Sec. 23 Twp. 17S Rge. (E) 26 (W)

Location as "NE¼NW¼SW¼" or footage from lines NW/4 NW/4 NW/4

Lease Owner Skelly Oil Company

Lease Name Tom Norton Well No. 1

Office Address Box 391, Hutchinson, Kansas

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

Date well completed August 24 19 44

Application for plugging filed June 5 19 47

Application for plugging approved June 6 19 47

Plugging commenced July 17 19 47

Plugging completed July 23 19 47

Reason for abandonment of well or producing formation Depleted oil well.

If a producing well is abandoned, date of last production April 1 19 47

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 H. W. Kerr

Producing formation Mississippi Lime Depth to top 4449' Bottom 4461' Total Depth of Well 4461 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
Mississippi Lime	Oil	4449'	4461'	13-3/8"	237'	None
				8-5/8"	1265'-5"	None
				5-1/2"	4485'-0"	2645'-2"

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 hold. If cement or other plugs were used, state the character of same and depth placed, from ..... feet to ..... feet for each plug set.

6 sacks cement	4461' to 4410'
Mud laden fluid	4410' to 250'
15 sacks cement	250' to 205'
Mud laden fluid	205' to 15'
10 sacks cement	15' to 6'
Surface soil	6' to 0'

STATE CORPORATION COMMISSION RECEIVED AUG 6 1947 CONSERVATION DIVISION

(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) 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) H. E. Wamsley

Box 391, Hutchinson, Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 1st day of August, 19 47

Josephine L. Johnson
Notary Public.

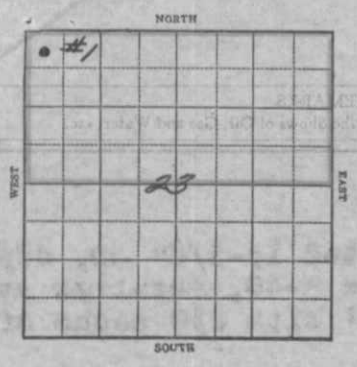
My commission expires April 7, 1951

PLUGGING
FILE SEC 23 T 17 R 26W
BOOK PAGE 112 LINE 16

21-543-s 8-45—6M

15-135-00295-00-00

FORM N47A REV.



SKELLY OIL COMPANY

WELL RECORD

Lease Name and No. Tom Norton #26113 Well No. 1 Elev. 2507' DF

Lease Description North Half (N/2) of Section 23, Township 17 South, Range 26 West, Ness County, Kansas

Location made April 5 19 44 by Gould Randolph

330 feet from North line ... feet from East line } N/2
... feet from South line 330 feet from West line } of Sec. 23

Work com'd May 2 19 44 Rig comp'd May 6 19 44 Drlg. com'd May 10 19 44 Drlg. comp'd June 5 19 44

Rig Contractor Helmerich and Payne Drilling Company

Drilling Contractor Helmerich and Payne Drilling Company, Tulsa, Oklahoma

Rotary Drilling from Top to 4461' Cable Tool Drilling from ... to ...

Commenced Producing August 24 19 44 { Initial Prod. before shot or acid 3/4 bbl. oil per hr. Bbls.
Initial Prod. after shot or acid TOB 8 hrs., 43.20 bbls.oil no wtr., to estab. 24 hr. S.C.O. potential Bbls.

Dry Gas Well Press. ... Volume of 130 bbls. Cu. ft.

Casing Head Gas Pressure ... Volume ... Cu. ft.

Braden Head (Size 13-3/8"x8-5/8") Gas Pressure ... Volume ... Cu. ft.

Braden Head (Size 8-5/8"x5½") Gas Pressure ... Volume ... Cu. ft.

PRODUCING FORMATION Mississippi Lime (Name) Top 4450' Bottom 4461' TOTAL DEPTH 4461'

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
13-3/8"OD	48#	8R	240'				12	237	0	Seamless	A	250	Halliburton
13-3/8"	Casing:	Range 1,	Grade H-40	-	Set	8' in Cellar							
8-5/8"OD	28#	8R	1255'				60	1265'	5	Seamless	A	730	Halliburton
8-5/8"	Casing:	Range 1,	Grade H-40	-	Set	6' in Cellar							
5-1/2"OD	17#	8R	4450'				140	4485'	0	Seamless	A	175	Halliburton
5-1/2"	Casing:	Range 2,	Grade J-55	-	Cased	to derrick floor							
	(Used 1 - 5½" Combination Guide and Float Shoe)												

... 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	June 17, 1944	June 22, 1944	June 28, 1944	
Acid Used Size Shot	750 Gals. Qts.	1500 Gals. Qts.	2500 Gals. Qts.	Gals. Qts.
Shot Between	4450 Ft. and 4461 Ft.	4450 Ft. and 4461 Ft.	4450 Ft. and 4461 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	None	None	None	

RECEIVED STATE CORPORATION COMMISSION AUG - 8 1944 CONSERVATION DIVISION

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS From	GAS To	OIL From	OIL To	REMARKS
Lansing Lime	3884						
Sand-Chert Conglomerate	4433	SLM					
Mississippi Lime	4449				4449	4457	Porous, oil saturated
					4457	4461	Porous, sli. saturation PAY FORMATION

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 23 T 17 R 26W
BOOK PAGE 112 LINE 16

(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 clay	0	30	
Sand	30	40	
Shale	40	255	Set and cemented 13-3/8" OD, 48#, Range 1, Grade H-40, Seamless steel casing at 240' with 250 sacks of cement.
Shale	255	625	
Sand and shale	625	700	
Sand	700	725	
Lime and shale	725	890	
Sandy shale	890	925	
Shale and lime	925	990	
Sand	990	1005	
Shale	1005	1130	
Shale and sand	1130	1220	
Anhydrite	1220	1255	Set and cemented 8-5/8" OD, 28#, 8 round thread, Range 1, Grade H-40, Seamless steel casing at 1255' with 500 sacks of cement. Cement did not circulate, ran 1" pipe between 13-3/8" and 8-5/8" casing and cemented top of 8-5/8" casing with 230 sacks of cement.
White anhydrite	1255	1265	
Red shale	1265	1465	
Red sand	1465	1480	
Red shale	1480	1700	
Shale and lime shells	1700	1830	
Shale	1830	1878	
Shale and lime	1878	1930	
Shale	1930	2065	
Shale and lime	2065	2250	
Shale and salt	2250	2350	
Shale and lime	2350	2550	
Broken lime	2550	2595	
Lime and shale	2595	2630	
Brown lime with red shale	2630	2675	
Broken lime	2675	2750	
Lime	2750	2890	
Lime and shale	2890	2900	
Lime	2900	2935	
Lime and shale	2935	3085	
Lime	3085	3150	
Lime and shale	3150	3690	
Shale and shells	3690	3765	
Shale and lime	3765	3840	
Lime	3840	3920	TOP LANSING LIME 3884'
Broken lime	3920	3949	
Lime	3949	3972	
Cherty lime	3972	4004	
Lime	4004	4133	
Shale and lime	4133	4163	
Lime	4163	4235	
Shale and lime	4235	4350	
Shale	4350	4360	
Shale and lime	4360	4405	
Grey lime and shale	4405	4442	
Grey sand and chert	4442	4454	TOP SAND - CHERT CONGLOMERATE 4433' SLM
Grey sand and shale	4454	4458	TOP MISSISSIPPI LIME 4449' SLM
Medium soft brown dolomite	4458	4466	
Soft finely crystalline grey & brown dolomite	4466	4470	Porous, slight saturation Ran Halliburton drill stem test with packer set at 4448' SLM, open 25 minutes, recovered 25' of 34 degree gravity oil, no water and 25' of oily drilling mud. Laid down drill pipe and set and cemented 5½" OD, 8 round thread, Grade J-55, Range 2, 17#, J & L, Seamless steel casing at 4450' SLM with 175 sacks of cement. Finished cementing at 9:45 AM June 7, 1944, and while shut down waiting on cement to set, moved in and rigged up cable tools. Finished rigging up cable tools and bailed the hole down on June 14th and 5½" casing tested OK. Drilled cement plug and cement job tested OK.
SLM	4470	4461	Correction: 4470' SLM rotary table equals 4461' SLM derrick floor.
TOTAL DEPTH		4461'	Tested 3/4 barrels oil per hour

15-135-00295-00-00

Washed formation with acid for 12 hours, then bailed and tested 1½ barrels oil per hour. On June 16th ran 2" tubing and on June 17th treated with 750 gallons of acid as follows:

ACID TREATMENT NO. 1 - Between 4450' and 4461'

Treatment put in June 17, 1944, by Dowell, Inc., using 750 gallons acid, 120 barrels of water to fill hole and to flush:

TIME	CP	TP	REMARKS
1:37 PM			Hole filled with 102 barrels water and started acid in
1:52 PM	300#	1000#	750 gallons acid in hole on bottom
3:00 PM	1200#	1050#	6 barrels flushing water in hole
4:00 PM	1200#	1100#	10 barrels flushing water in hole
5:25 PM	1300#	1300#	18 barrels flushing water in hole and treatment complete

After acid treatment, swabbed through 2" tubing 20 hours, estimated 105 barrels oil, then swabbed into test tank 5 hours, 19 barrels oil, swabbing 250' off bottom.

On June 19th swabbed 8 hours, 15 barrels oil, swabbing to 250' off bottom, then ran rods and on June 20th POB 24 hours, 5 barrels oil and no water. On June 21st POB 24 hours, 30.19 barrels oil and no water.

On June 22nd pulled rods and reacidized with 1500 gallons of Dowell "XX F-16" acid as follows:

ACID TREATMENT NO. 2 - Between 4450' and 4461'

Treatment put in June 22, 1944, by Dowell, Inc., using 1500 gallons acid and 130½ barrels oil to fill hole and to flush:

TIME	CP	TP	REMARKS
4:29 PM			Hole filled with 112 barrels oil and started acid in
4:40 PM	150#		500 gallons "XX-F-16" acid in
5:10 PM			500 gallons "X-F-16" acid in
6:03 PM	1125#	525#	1000 gallons "X-F-16" acid in and started oil flush
7:11 PM	1050#	775#	12 barrels flushing oil in hole
7:50 PM	950#	750#	17 barrels flushing oil in hole
8:20 PM	700#	700#	18½ barrels flushing oil in hole and treatment complete

After acid treatment, swabbed through 2" tubing 13 hours, 63 barrels of oil and no water, then ran rods and POB 10 hours, 52 barrels of oil and no water.

On June 24th POB 24 hours, 84 barrels oil and no water. June 25th pulled 2" tubing and rods, and on June 26th swabbed through 5½" casing 7 hours, 17 barrels oil, swabbing to bottom, and while swabbing lost bottom swab connection in hole.

Recovered bottom swab connection on June 27th and swabbed through 5½" casing 18 hours, 24 barrels oil, swabbing to bottom. June 28th ran 2" tubing and treated with 2500 gallons of Dowell "XX-F-16" acid as follows:

ACID TREATMENT NO. 3 - Between 4450' and 4461'

Treatment put in June 28th, 1944, by Dowell, Inc., using 2500 gallons acid and 141 barrels oil to fill hole and to flush:

TIME	CP	TP	REMARKS
5:05 PM			Hole filled with 124 barrels oil and started acid in
5:26 PM	450#		700 gallons acid in hole
5:48 PM	1300#	850#	1500 gallons acid in hole
6:20 PM	1500#	1050#	2000 gallons acid in hole
6:30 PM	1450#	1000#	2500 gallons acid in hole and started oil flush
6:49 PM	1000#	1000#	Hole flushed with 17 barrels oil and treatment complete

After acid treatment, swabbed through 2" tubing 10 hours, 54 barrels oil (oil used in treatment), and on June 29th swabbed 5 hours, 28 barrels oil. Ran tubing and rods and on June 30th POB 24 hours, 84 barrels oil and no water. Established minimum well allowable based on this pumping test.

Installed regular pumping equipment and on August 24th POB 8 hours for State Corporation Commission potential test, 43.20 barrels oil and no water, to establish 24 hour State Corporation Commission potential of 130 barrels. This potential allows 25 barrels per day.

SLOPE TEST DATA

DEPTH	ANGLE OF DEFLECTION	DEPTH	ANGLE OF DEFLECTION
250'	0 Degrees	2250'	0 Degrees
500'	0 "	2500'	0 "
750'	0 "	2750'	0 "
1000'	0 "	3000'	0 "
1250'	0 "	3250'	0 "
1500'	0 "	3500'	0 "
1750'	0 "	3750'	0 "
2000'	0 "	4000'	0 "
		4250'	0 "