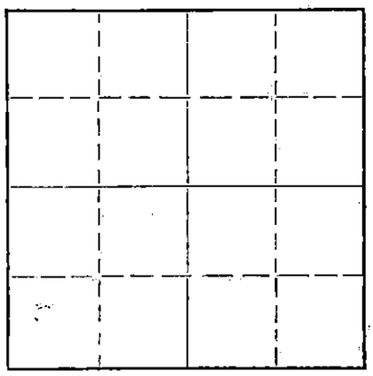
15-095-01701-0000

STATE OF KANSAS
STATE CORPORATION COMMISSION

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
212 North Market, Insurance Bldg.
Wichita, Kansas

WELL PLUGGING RECORD

NORTH



Locate well correctly on above Section Plat

Kingman County. Sec. 29 Twp. 27S Rge. ____ (E) 10 (W)

Location as "NE/CNW¼SW¼" or footage from lines S/2 NW/4

Lease Owner Quality Supply Co.

Lease Name Miles "E" Well No. 1

Office Address 202 Petroleum Bldg., Wichita, Kan.

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

Date well completed ____ 19____

Application for plugging filed ____ 19____

Application for plugging approved ____ 19____

Plugging commenced August 22 1960

Plugging completed August 1960

Reason for abandonment of well or producing formation ____

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 Fred Hampel

Producing formation ____ Depth to top ____ Bottom ____ Total Depth of Well 3439 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
				13"	361	none
				7"	3417'	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.

Sanded hole from 3439 to 3400'-dumped
4 sks cement-did not recover any 7"
casing-set 10' rock bridge @ 300'-dumped
20 sks cement-mudded hole to 35'-set
10' rock bridge-dumped 10 sks cement to
top.

RECEIVED
STATE CORPORATION COMMISSION
AUG 30 1960 8-30-1960
CONSERVATION DIVISION
Wichita, Kansas

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

Name of Plugging Contractor R & D Casing Pulling Co. License #236

Address Box 154, Ellinwood, Kansas

STATE OF Kansas, COUNTY OF Sedgwick, ss.

Jack Shear (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) Jack Shear

202 Pet. Bldg. Wichita Kansas
(Address)

SUBSCRIBED AND SWORN TO before me this 30th day of August, 1960

Lee Mankin Notary Public.

My commission expires June 1, 1963

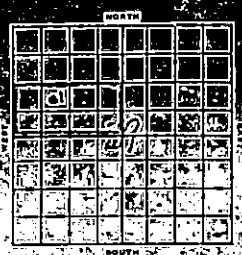
5-44M

Form No-7-Dix—300

SOLD 8-1-60

SKELLY OIL COMPANY

Well Record



Lease Name and No. Mills "F" (7704) Well No. 1 Elev. 1659' DF

Lease Description NE/4 NW/4 Sec. 29-27S-10W

Kingman County, Kansas (80 Acres)

Location staked Feb. 11, 1939 by Gould Randolph

330 feet from North line 330 feet from East line of Lease

990 feet from South line 990 feet from West line

Work com'd Feb. 25, 1939 Rig comp'd Mar. 4, 1939 Drlg. com'd Mar. 6, 1939 Drlg. comp'd Apr. 13, 1939

Rig Contractor Mahan, McCarty & Bosse, Inc. - Tulsa, Oklahoma

Drilling Contractor Bodine Drilling Co. - Great Bend, Kansas

Rotary Drilling from Top to 3390' Cable Tool Drilling from 3390 to 3439'

Commenced Producing Apr. 14, 1939 Initial Prod. before shot or acid 20 bbls. oil & 5 bbls. water/hour

Initial Prod. after shot or acid 103 oil & 26 water (Flowed) Bbls. in 8 hours by GL to estab. 24-hour calc. potential of 309-bbls. oil).

Dry Gas Well Pressure Volume Cu. Ft.

Casing Head Gas Pressure Volume 15,000 Cu. Ft.

Braden Head [13" x 7" OD.] Gas Pressure Volume Cu. Ft.
(size)

Braden Head [ ] Gas Pressure Volume Cu. Ft.
(size)

PRODUCING FORMATION Lansing lime (Name) Top 3412 Bottom ~~3439~~ 3435 TOTAL DEPTH ~~3439~~ P.B.T.D. 3435 ~~P.B.T.D. 3390~~

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" OD.	50	8	361				17	354	3	Lapweld	"B"	350	Halliburton.
7" OD.	20	10	3389				110	3417	3	Elec.Weld	"A"	350	"
Recemented leak in 7" at 648' w/ 150 sacks.													
Top of the 13" casing is 11' in cellar, and the 7" was cased to derrick floor.													

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	Apr. 13, 1939	9-25-50		
Acid Used Size Shot	5000 Gals. Kps.	4000 Gals.	Gals. Qts.	Gals. Qts.
Shot Between	3389 Ft. and 3439 Ft.	3389 Ft. and 3435 Ft.	Ft. and Ft.	Ft. and Ft.
Size of Shell				
Put in by (Co.)	Morgan Acid Co.	Halliburton		
Length anchor	Dowell "X"			
Distance below Cas'g				
Damage to Casing or Casing Shoulder	None			

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS From	GAS To	OIL From	OIL To	REMARKS
Lansing lime	3387				3412	3439	Main body pay formation. (23)

CLEANING OUT RECORDS

	Date Commenced	Date Completed	Prod. Before	Prod. After	Remarks
1st					See Reverse for other details
2nd					" " " " "
3rd					" " " " "
4th					" " " " "
5th					" " " " "

PLUGGING BACK AND DEEPENING RECORDS

	Date Commenced	Date Completed	No. Feet Plugged Back or Deepened	Prod. Before	Prod. After	REMARKS
1st P.B.	9-5-50	10-30-50	213½	3 oil- 9 w/Te.	3 oil- 12 w/Te.	See Reverse for other details
2nd						" " " " "
3rd						" " " " "
4th						" " " " "

Form N-1-D2 100

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS (Indicate Cavings, Points, Describe Shows of Oil, Gas and Water, Etc.
Surface soil & sand	0	40	
Clay & red beds	40	270	
Sand & red beds	270	400	Ran and cemented 18" OD. casing at 361' w/
		350	sacks - Halliburton process.
Shale & lime shells	400	560	
Shale	560	650	
Red beds & anhydrite	650	710	
Shale & red beds	710	740	
Lime & shale	740	800	
Shale	800	1180	
Salt	1180	1250	
Shale	1250	1330	
Lime	1330	1565	
Shale	1565	1580	
Lime	1580	1705	
Shale	1705	1735	
Lime	1735	2060	
Broken lime	2060	2120	
Lime	2120	2230	
Lime & shale	2230	2310	
Lime	2310	2365	
Shale	2365	2470	
Shale & lime	2470	2550	
Lime	2550	2725	
Shale	2725	2765	
Shale & shells	2765	2820	
Lime & shale	2820	2890	
Shale	2890	2935	
Lime	2935	3140	
Lime & shale	3140	3165	
Lime	3165	3205	
Broken lime & shale	3205	3215	
Black shale	3215	3230	
Shale & shells	3230	3285	
Shale & lime	3285	3330	
Black shale	3330	3370	
Lime & shale	3370	3382	

Cored 3382-3391'. Rec. 8'

Top	1½'	Gray shale.
	2	Shale & nodular lime.
	1½	Gray shale.
	1	Lime, shells & shale.
	1	Buff colored lime w/ shale streaks.
Btm.	1'	Buff colored crystalline lime.

Top Lansing lime 3387' SLM.
Reamed core hole to 3291' then drilled:

Buff colored crystalline lime	3391	3392	Set and cemented 7" OD. casing at 3389' SLM. w/ 350 sacks - Halliburton process. Later recemented leak at 648' w/ 150 sacks. Finished cementing at 8.45 PM. Mar. 28, 1939. Tore out rotary tools, installed portable drilling-in front and rigged up cable tools. Apr. 2nd, bailed hole down. 3rd, drilled cement to 3380' and 7" tested OK, then drilled plug and cement job tested OK. No show oil or water on cleaning out to bottom.
Steel line correction, rotary table to derrick floor	3392	3390	This accounts for above top Lansing lime and 7" casing point.
Hard gray lime	3390	3408	No saturation or porosity.
Hard dark gray lime	3408	3412	" " " "
Gray & brown lime	3412	3419	Slight saturation & porosity.
" " " "	3419	3425	Little free oil & odor of gas. Tested 4 hours, 1 bbl. oil & 3/4 bbl. water.
Hard gray crystalline lime w/ trace of shale	3425	3429	
Soft brown crystalline & oolitic lime	3429	3434	Porous w/ slight saturation. Inc. gas.
Red. soft, brown oolitic lime	3434	3439	Slight porosity & saturation. Bailed and tested 7 hours, 20 gal. oil & 5 gal. water per hour. Stopped drilling Apr. 5, 1939 at depth 3439'. 6th, ran 2" tubing to 3435' and filled hole w/ oil preparatory to treating w/ acid. Started testing connections and at 200# circulation started between 7" and 18" casing. Pulled tubing and plugged back 3439-3395' w/ chat & oakum, then pumped down test plug which stopped at 648'. Ran in tools and drove plug to 698' and cemented leaking joint of 7" casing w/ 150 sacks. Finished cementing at 1.40 PM. Apr. 7th. On Apr. 11th, drilled cement plug from 620-650', cleaned out to 700' and tested 7" casing to 1180# by Halliburton and casing tested OK. Drove plug to bottom, then bailed and cleaned out to 3439'. 13th, ran 2" tubing to treat w/ acid as follows:

TOTAL DEPTH 3439'

Acid Treatment No. 1: Apr. 13, 1939 Morgan Acid Co., using 5000 gal. Dowell "X" acid solution 3389-3439' w/ 169 bbls. oil to fill hole and flush tubing.

Time	CP.	TP.	
12.45 PM.	0#	0#	Filled hole w/ 134 bbls. oil, ran 1 gal. blanket on bottom, then started acid in thru tubing.
12.56	250#	0#	Had 570 gal. acid in hole.
1.00	500#	340#	" 1000 " " " "
1.05	500#	340#	" 1500 " " " "
1.14	460#	300#	" 2500 " " " "
1.20	460#	300#	" 3000 " " " " . Then ran 35 gal. Jelly Seal, raised tubing to 3420' and treated w/ 2000 gal. more acid.
1.31	400#	376#	Had 3500 gal. acid in hole.
1.59	250#	200#	" 4000 " " " "
2.07	360#	240#	" 5000 " " " " . Started oil in to flush tubing.
2.32	200#	200#	Flushed tubing w/ 35 bbls. oil to complete treatment.

After treatment, left well shut in 4 hours, then flowed 50 bbls. cut oil to clean up hole.

Started potential test at 9.10 AM. Apr. 14, 1939, and flowed 6 hours thru 2" tubing by gas lift, 103 bbls. oil and 26 bbls. water, which established a 24-hour calculated potential of 309 bbls. oil. This potential allowed well to produce at rate of 47 bbls. oil per day for remainder month of April, 1939.

After potential test completed, continued flowing test for 12 hours and flowed 25 bbls. oil and .1 bbl. water w/ CP 400# - TP 50# thruout test; no gauge on gas, however, that w/ oil estimated 15,000 cu. ft. per day.

Slope Test Data

Depth	Angle (In deg.)	Horiz.	Vert.
250'	0	.0'	.0'
500	¼	2.3	.0
750	¼	2.3	.0
1000	¼	2.3	.0
1250	¼	2.3	.0
1500	¼	2.3	.0
1750	1	4.4	.1
2000	1	4.4	.1
2250	1	4.4	.1
2500	1	4.4	.1
2750	1	4.4	.1
3000	3	18.1	.4
3223'	2	7.8	.1
Total deflections		54.4'	1.0'

Water Analysis:

Sample, No. C-39-4-1), taken Apr. 6, 1939, by Floyd Kent, of water from Lansing lime 3419-3425'. Analysis by E. B. Shannon, of Skelly Oil Company laboratories, at El Dorado, Kansas. Reported by E. A. Todd

	Grains per Gallon	Parts per Million	Percent by Weight
Chlorides expressed as NaCl	13600	232805	23.28
Chlorides expressed as Cl	8250	141224	14.12
Total Solids	18108	310070	31.01
Sulphates expressed as $CaSO_4$	12.26	210.0	.0210
Sulphates expressed as SO_4	8.65	148.1	.0148

Moved in and rigged up cable tools on September 5, 1950, pulled tubing and drilled deeper as follows:

SLM	3439	3448
Sandy lime	3448	3480
Lime and shale	3480	3485
Shale	3485	3498
Lime, shale, and shells	3498	3502
Lime	3502	3553
Shale	3553	3563
Lime	3563	3629
Sandy lime	3629	3634
Lime	3634	3648½

Swabbed through 5½" casing 17 hours, 15 barrels of oil and 125 barrels of water. On September 16, ran 2" tubing and plugged back from 3648½' to 3530' with 30 sacks of cement. Pulled tubing and shut down for cement to set.

On September 18, ran Gamma Ray Survey, then bailed 7 hours, 4 gallons of oil and 3 barrels of water per hour. On September 19, ran 2" tubing and plugged back with 15 sacks of cement from 3530' to 3528' SLM. Bailed and tested 3 hours 50' off bottom, 3 barrels of water with scum of oil per hour. Ran 2" tubing and spotted 20 sacks of cement and pulled tubing for cement to set. On September 24, ran SLM and found top of cement plug at 3403'. Bailed hole dry and cement job tested OK. Drilled cement plug and cleaned out to 3435'. Tested 7 hrs. 1 gallons of oil and 60 gallons of water per hour. On September 25, treated through 7" casing with 4000 gallons of Halliburton acid as follows:

ACID TREATMENT NO. 2 - Between 3389' and 3435'

Treatment put in 9/25/50 by Halliburton, using 4000 gallons of acid and 95 barrels of oil to flush.

TIME	CP	REMARKS
2:40 pm		Start acid down casing
3:00 pm		4000 gallons acid in casing
3:30 pm		Start to load hole
4:10 pm	Vac.	4000 gallons acid in formation and treatment completed

Swabbed through casing 13 hours, 84-3/4 barrels of oil and 50.25 barrels of water (oil used in treating). On September 26, swabbed through casing 24 hours, 4 barrels of oil and 44.50 barrels of water (used in treating).

On September 27, set Lane-Wells bridging plug at 2500' and perforated 7" casing by Lane-Wells from 2469' to 2471' with 6 holes. Hole filled 200' with mud and water in 15 minutes. Ran 2" tubing and set Baker cement retainer at 2425' and cemented off perforations from 2469' to 2471' with 200 sacks of cement at 1000#-TP. Pulled tubing and shut down for cement to set.

On September 29, bailed the hole dry to top of cement retainer at 2425' and 7" casing tested dry. On September 30, perforated 7" OD casing from 2018' to 2026' with 24 holes. Bailed and tested 2 hours, 10 barrels of muddy water per hour, bailing 100' off bottom. Ran 2" tubing and set Baker cement retainer at 1958' and cemented off perforations from 2018' to 2026' with 200 sacks of cement, maximum TP-2000#. Pulled tubing and shut down for cement to set.

On October 2, bailed the hole dry and on October 3, perforated 7" casing from 1640' to 1648' with 24 holes. Bailed and tested 3 hours, 1½ barrels of drilling mud per hour, no oil, gas, or water. Ran 2" tubing and set Baker cement retainer at 1620' and cemented off perforations from 1640' to 1648' with 200 sacks of cement, TP-1500#. Pulled tubing and shut down for cement to set.

On October 8, drilled up cement retainer and drove Lane-Wells bridging plug from 2500' to 3435'. Bailed and cleaned up hole and showed 200' of water in hole with a scum of oil. Ran 2" tubing and rods and moved out cable tools. Started pumping test on October 17, and during the next 14 days the well produced as follows:

DATE	HOURS PUMPED	BBLS. OIL	BBLS. WATER	REMARKS
10-17-50	14	0	6	
10-18-50	24	0	45	
10-19-50	24	0	33	
10-20-50	10	0	8	Well quit pumping
10-21-50				SD for pulling unit
10-22-50				SD for pulling unit
10-23-50	16	0	1	Pull and rerun rods
10-24-50				SD for pulling unit
10-25-50	15	0	12	Pull and rerun rods
10-26-50	24	6	54	
10-27-50	24	3	12	
10-28-50	8	3	12	
10-29-50	8	3	12	
10-30-50	16	3	12	

Miles "E" Lease and Anna Honeman Lease were SOLD effective August 1, 1960 to Quality Supply Company, Inc., for