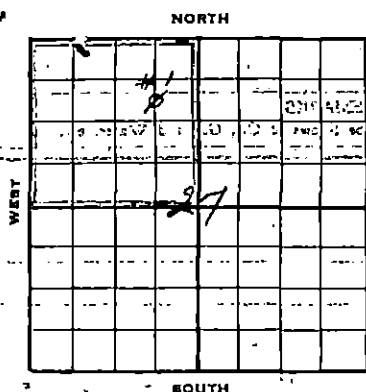




SKELLY OIL COMPANY

Well Record

Lease Name and No. W. J. Toland 20752 Well No. 1 Elev. 1981'
 Lease Description 1/4, Section 27-25-21E
Stafford County, Kansas
 Location made June 23, 1942 by Stafford County Engineers
920 feet from North line 660 feet from East line 11/4
0 feet from South line 0 feet from West line of Sec. 27

Work com'd June 25, 1942 Rig com'd June 29, 1942 Drlg. com'd July 1, 1942 Drlg. comp'd Aug. 5, 1942

Rig Contractor Built by drilling contractor

Drilling Contractor Rodino Drilling Company, Great Bend, Kansas

Rotary Drilling from Top to 3858' Cable Tool Drilling from 3858' to 3906'

Commenced Producing Dry Hole 19 19 Initial Prod. before shot or acid 0 Bbls.
 Initial Prod. after shot or acid 0 Bbls.

Dry Gas Well Press. 0 Volume 0 Cu. ft.

Casing Head Gas Pressure 0 Volume 0 Cu. ft.

Braden Head (0 Size) Gas Pressure 0 Volume 0 Cu. ft.

Braden Head (0 Size) Gas Pressure 0 Volume 0 Cu. ft.

PRODUCING FORMATION Dry Hole (Name) Top 0 Bottom 0 TOTAL DEPTH 3906'

CASING RECORD

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" OD	32	8	426				20	421	0	Leadweld	"B"	250	Halliburton
5" OD	17	8	3355'	75	2905	11	15	272	1	A.C. Smith	"A"	125	Halliburton
(8-5/8" casing cut 10' in holes)													
(5" casing was perforated with 35 holes from 3757' to 3764' - 60 holes from 3737' to 3749' and 45 holes from 3712' to 3721' - All perforations cemented off)													

Liner Set at 0 Length 0 Perforated at 0

Liner Set at 0 Length 0 Perforated at 0

Packer Set at 0 Size and Kind 0

Packer Set at 0 Size and Kind 0

SHOT OR ACID TREATMENT RECORD

	FIRST	SECOND	THIRD	FOURTH
Date	<u>Aug. 10, 1942</u>	<u>Aug. 18, 1942</u>	<u>Aug. 24, 1942</u>	<u>Aug. 30, 1942</u>
Acid Used	<u>5000</u> Gals.	<u>1000</u> Gals.	<u>1000</u> Gals.	<u>1000</u> Gals.
Size Shot	<u>5000</u> Qts.	<u>1000</u> Qts.	<u>1000</u> Qts.	<u>1000</u> Qts.
Shot Between	<u>3855' Ft. and 3889 Ft.</u>	<u>3737 Ft. and 3764 Ft.</u>	<u>3737 Ft. and 3749 Ft.</u>	<u>3712 Ft. and 3721 Ft.</u>
Size of Shell				
Put in by (Co.)	<u>Lorain Co.</u>	<u>Halliburton</u>	<u>Halliburton</u>	<u>Halliburton</u>
Length anchor				
Distance below Cas'g				
Damage to Casing or Casing Shoulder	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
<u>Lansing Ls</u>	<u>3712</u>				<u>3737</u>	<u>3749</u>	<u>Porous and stained</u>
					<u>3759</u>	<u>3764</u>	<u>Porous and stained</u>
<u>Lansing Pav</u>	<u>3855</u>				<u>3857</u>	<u>3859</u>	<u>Porous and saturated</u>
					<u>3888</u>	<u>3891</u>	<u>Rainbow show of oil</u>

CLEANING OUT RECORDS

	DATE COMMENCED	DATE COMPLETED	PROD. BEFORE	PROD. AFTER	REMARKS
1st					<u>See Reverse for other details.</u>
2nd					<u>" " " " "</u>
3rd					<u>" " " " "</u>
4th					<u>" " " " "</u>

PLUGGING BACK AND DEEPENING RECORDS

	Date Commenced	Date Completed	No. Feet Plugged Back or Deepened	Prod. Before	Prod. After	REMARKS
1st						<u>See Reverse for other details.</u>
2nd						<u>" " " " "</u>
3rd						<u>" " " " "</u>
4th						<u>" " " " "</u>

(See Reverse for Record of Formation)

COMPANY RECORD OF FORMATIONS

FORMATION		TOP		BOTTOM		REMARKS	
Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.							
Work com'd June 25, 1942 W. Wall June 29, 1942							
Packer Set at		Size and Kind					
Packer Set at		Size and Kind					
Surface soil, clay & sand		40		40		Set & cemented 5-5/8" OD, 17' A. O. Smith S. S. steel casing at 226' w/ 250 sacks of cement & 4 bags of sugar. Finished 10:30 PM, 7/29/42 and while shut down waiting on cement to set, moved in and rigged up cable tools. Finished and bailed hole down on Aug. 3rd and 5-1/2" casing tested OK. Drilled cement plug and cement job tested OK.	
Sand		40		220			
Red bed		220		435			
Red bed		435		840			
Anhydrite		840		870			
Red bed		870		900			
Shale and shells		900		955			
Salt and shells		955		1375			
Salt and shale		1375		1500			
Shale and lime		1500		1550			
Sandy lime		1550		2240			
Lime		2240		2265			
Shale		2265		2275		Spent 12 days at this point loosening and recovering stuck drill pipe. Pulled drilling derrick down, making it necessary to replace same.	
Lime		2275		2330			
Shale and lime		2330		2400			
Lime		2400		2450			
Lime and shale		2450		2550			
Shale		2550		2635			
Shale and lime		2635		2805			
Shale		2805		2925			
Shale and lime		2925		2960			
Lime		2960		3030			
Shale		3030		3150			
Lime		3150		3210			
Lime and shale		3210		3230			
Lime		3230		3325			
Cherty lime		3325		3370			
Lime		3370		3600			
Shale		3600		3630			
Dark grey shale		3630		3712		Top Lansing lime at 3712'	
Medium hard grey crystalline lime		3712		3721		Slight porosity	
Hard grey lime		3721		3737			
Medium soft grey oolitic lime		3737		3751			
Medium hard grey crystal-lime		3751		3759			
Line lime		3759		3764		Porous and stained	
Hard grey crystalline lime		3764		3790		Porous	
Soft grey oolitic lime		3790		3798		Porous	
Hard grey crystalline cherty lime		3798		3807		Porous and stained	
Soft grey oolitic lime		3807		3820		No porosity	
Hard grey cherty lime		3820		3825		Slight porosity and stained	
Grey oolitic & cherty lime		3825		3830			
Hard grey cherty lime		3830		3840			
Dark grey shale		3840		3857			
Medium soft oolitic lime		3857		3858		Porous and saturated	
Hard grey cherty lime		3858		3860			
Drilled 7-7/8" hole to 3860'		3860		3863		Set & cemented 5-5/8" OD, 17' A. O. Smith S. S. steel casing at 3855' w/ 125 sacks of cement and 4 bags of sugar. Finished 10:30 PM, 7/29/42 and while shut down waiting on cement to set, moved in and rigged up cable tools. Finished and bailed hole down on Aug. 3rd and 5-1/2" casing tested OK. Drilled cement plug and cement job tested OK.	
Steel Line Measurement		3860		3858		Correction: 3860' SLM rotary table reads 3858' SLM derrick floor. Tested 3 hours, no oil or water.	
Hard grey lime		3858		3863		No porosity or saturation - Lost bit in hole and recovered same.	
Dark shale		3863		3868			
Grey lime w/ 40% dark shale		3868		3873			
Grey lime w/ 10% dark shale		3873		3878			
Grey lime w/ 30% dark shale		3878		3883			
Same		3883		3895		Slight porosity, no increase	
Same		3895		3900		Tested 1 hour, 1-1/2 barrel water w/ some oil.	
Light grey oolitic lime		3900		3906			
Light grey lime w/ 30% dark grey shale		3906		3906			
TOTAL DEPTH DRILLED		3906'					

On August 6th, ran 2" tubing to bottom and cemented back with 20 sacks of Incon cement. Pulled tubing and on Aug. 10th, bailed hole down and found top of cement at 3877'. Bailed and tested 2 gallons of water and a scum of oil per hour. Drilled cement plug to 3889', then ran 2" tubing and treated with 5000 gallons of Morgan acid as follows:

ACID TREATMENT NO. 1 - Between 3855½' and 3889'

Treatment put in by Morgan Co., Aug. 10, 1942, using 5000 gallons of Morgan acid and 125 barrels of oil to fill hole and flush.

TIME	CP	TP	REMARKS:
6:48 PM			Hole filled with 90 barrels of oil then start acid in
6:59 "	1200	850	650 gallons of acid in
7:25 "	900	550	2000 gallons of acid in
8:00 "	900	550	3600 gallons of acid in
8:25 "	900	550	5000 gallons of acid in then start oil flush.
8:55 "	900	900	Flushed with 35 barrels of oil.

After acid treatment, pulled tubing and swabbed thru casing 18 hours, 28 barrels of water and 1/4 barrel of oil per hour, unable to swab below 1500' off bottom.

On August 12th, ran 2" tubing and plugged back with 35 sacks of cement by Halliburton. Let cement set 15 hours then reran tubing and found top of cement at 3859' then recemented with 31 sacks of cement on Aug. 13th.

On August 16th, bailed the hole down and hole tested dry with top of cement plug at 3785' SIM. On Aug. 17th, perforated 5½" casing by Lane-Wells with 35 holes from 3757' to 3764'. After perforating, showed a little water and no oil, then perforated from 3737' to 3749' with 60 holes, no show of oil and no increase in water.

On August 18th, set Halliburton packer at 3753' then pressured up and started to circulate behind 5½" casing between top and bottom perforations, unsented packer and picked it up to 3726' then treated as follows:

ACID TREATMENT NO. 2 - Treated from 3737-49' and 3757'-64'

Treatment put in by Halliburton Co., 8/18/42, using 1000 gallons of Halliburton acid and 12 barrels of water to flush.

TIME	CP	TP	REMARKS:
5:50 AM			Acid on bottom
6:15 "	0	700	145 gallons of acid in
6:45 "	0	650	1000 gallons of acid in then flushed tubing with 12 barrels of water.

After acid treatment, reset packer at 3726' then swabbed thru tubing 15 hours, 12 barrels of fluid, 80% water and 20% oil.

On August 19th, plugged back thru 2" tubing by Halliburton with 15 sacks of cement. Shut down until Aug. 23rd, when the hole was bailed down and top of cement found at 3752'. Bailed 10 hours, 10 gallons of salt water per hour with a show of oil. Then treated with acid as follows:

ACID TREATMENT NO. 3 - Treated from 3737' to 3749'

Treatment put in by Halliburton Co., 8/24/42, using 1000 gallons of Halliburton acid and flushed with water.

TIME	CP	TP	REMARKS:
12:45 PM			Hole full of water then start acid in
1:00 "	650	400	650 gallons of acid in
1:12 "	750	500	1000 gallons of acid in
1:35 "	800	750	Flushed with 23 barrels of water

After acid treatment, swabbed out spent acid water, no oil showing, then on Aug. 25th, plugged back with 25 sacks of cement thru 2" tubing and shut down until August 28th, when SIM found plug at 3630'. Drilled cement plug to 3743' and cement job tested OK.

On August 30th, perforated 5½" casing with 45 holes by Lane-Wells from 3712' to 3721', no shows of oil or water. Then treated with acid as follows:

ACID TREATMENT NO. 4 - From 3712' to 3721'

Treatment put in by Halliburton Co., 8/30/42, using 1000 gallons of Halliburton acid and flushed with water.

TIME	CP	TP	REMARKS:
6:50 PM			Hole full of water then start acid in
7:31 "	850	750	570 gallons of acid in
8:08 "	650	550	770 gallons of acid in
8:12 "	650	550	1000 gallons of acid in
8:26 "	550	550	Flushed with 23 barrels of water.

After acid treatment, swabbed 8 hours, 6 barrels of salt water and no oil per hour.

On Sept. 2nd, regular authority was granted to plug and abandon the hole.

Plugged back from 3743' to 3643' with 25 sacks of cement then pulled tubing, tore out cable tools and shut down.

Shut down waiting on pulling machine until Sept. 7th, and on this date moved in and rigged up machine and started ripping 5½" casing. Ripped casing at 2900' then worked casing loose and pulled 75 joints or 2905' 11" of 5½" casing. On Sept. 12 and 13, plugged hole as follows:

Hole filled with mud laden fluid from	3643' to 300'
Solid bridge set at	300'
14 sacks of cement from	300' to 260'
Mud laden fluid from	260' to 16'
6 sacks of cement from	16' to 8'
Cellar filled with rock and surface soil	8' to top

Completed on September 13, 1942.