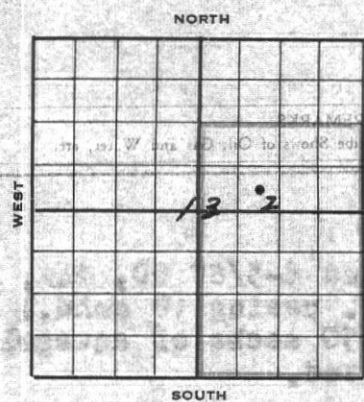




SKELLY OIL COMPANY

Well Record

Lease Name and No. Harbaugh "0" Well No. 2 Elev. 1405' RB
Lease Description SE 1/4 & S 1/2 NE 1/4 Sec. 13-335-12N & Lots 2, 3, 4, & SE 1/4 SW 1/4 Section 18-335-11W, Barber Co. Kans. (400 Acres)
Location made Sept. 8, 1951 by Barber County Engineer
feet from North line 330 feet from East line 990
feet from South line 990 feet from West line of Sec. 13
Work com'd 10/5 51 19 Rig comp'd 10/7 51 19 Drlg. com'd 10/7 51 19 Drlg. comp'd 11/1 51 19

Rig Contractor Chas. Hulme Drilling Company
Drilling Contractor Chas. Hulme Drilling Company, Great Bend, Kansas
Rotary Drilling from 0 to 4830' Cable Tool Drilling from 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 () Gas Pressure Volume Cu. ft.
Braden Head () Gas Pressure Volume Cu. ft.

PRODUCING FORMATION DRY HOLE (Name) Top Bottom TOTAL DEPTH 4830'

CASING RECORD

OD	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"	24	FE	575'				14	469	0	R3 59	B	350	Halliburton
	(8-5/8" casing set 5' in cellar)													

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								
Acid Used								
Size Shot								
Shot Between	Ft. and	Ft.	Ft. and	Ft.	Ft. and	Ft.	Ft. and	Ft.
Size of Shell								
Put in by (Co.)								
Length anchor								
Distance below Cas'g								
Damage to Casing or Casing Shoulder								

SIGNIFICANT GEOLOGICAL FORMATIONS

NAME	Top	Bottom	GAS		OIL		REMARKS
			From	To	From	To	
Tonganoxie Sand	3662'						NOV 15 1951
Lansing Lime	3741'						CONSERVATION DIVISION
Mississippi Chat	4398'						Wichita, Kansas
Kinderhook Shale	4620'						
Keener	4731'						
Viola Lime	4735'						
Simpson Shale	4814'						
Simpson Sand	4820'						

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

Well Record

TOP

BOTTOM

REMARKS
Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.

Shale and shells	0	110	Set and cemented 8-5/8" OD, 24' (P.B. 3-3, casing at 375' with 350 sacks of aquagel. Cement circulated.
Sand, shells, and shale	110	445	
Shale and shells	445	575	
Red bed	575	690	
Shale and shells	690	1075	
Salt	1075	1225	
Sand and lime	1225	1625	
Lime	1625	1910	
Lime and shale	1910	2140	
Lime	2140	2300	
Lime and shale	2300	2460	
Sandy lime	2460	2555	
Shale and shells	2555	2710	
Sandy lime	2710	2890	
Lime and shale	2890	3060	
Lime	3060	3160	
Lime and shale	3160	3500	
Sand and shale	3500	3615	
Sandy shale and lime	3615	3665	
Light gray, fine grained sand w/ stains	3665	3671	

Fine to medium grained sand	3671	3735	Good to spotted oil saturation
White to buff, fine crystalline lime	3735	3966	TOP LANSING LIME 3741'
PLUGGING FILE SEC 13733 R (2) BOOK PAGE 47 LINE 47			
Lime	3966	4010	
Shaley lime	4010	4055	
Shale and sandy lime	4055	4085	
Sandy lime	4085	4135	
Lime	4135	4155	
Sandy lime	4155	4245	
Lime	4245	4398	
Light gray glassy chert	4398	4428	
Gray, fairly porous chert w/ fair oil stain	4428	4435	

Gray, fairly porous chert w/ fair oil stain	4435	4470	
Chert	4470	4490	
Shale and chalk	4490	4505	
Lime	4505	4530	
Lime and shale	4530	4555	
Shale and lime	4555	4687	
Shale	4687	4725	
Lime and chert	4725	4735	
Lime and shale	4735	4760	
Lime	4760	4820	
Coarse grained porous sand w/ oil stain	4820	4830	

Chert	4470	4490	
Shale and chalk	4490	4505	
Lime	4505	4530	
Lime and shale	4530	4555	
Shale and lime	4555	4687	
Shale	4687	4725	
Lime and chert	4725	4735	
Lime and shale	4735	4760	
Lime	4760	4820	
Coarse grained porous sand w/ oil stain	4820	4830	
As there were no commercial shows of oil or gas encountered in drilling to the total depth of 4830', regular authority was granted to plug the well as follows:			
Plugging back and deepening records			
35 sacks of cement	4830'	to 4732'	
fluid laden mud	4732'	to 4500'	
35 sacks of cement	4500'	to 4385'	
fluid laden mud	4385'	to 275'	
25 sacks of cement	275'	to 200'	
fluid laden mud	200'	to 35'	
10 sacks of cement	35'	to 6'	
surface soil	6'	to 0'	

Plugged and abandoned November 4, 1951. Slope tests were taken at 250' intervals with 1/2 degree deviation noted from 250' to 4500' inclusive.			
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