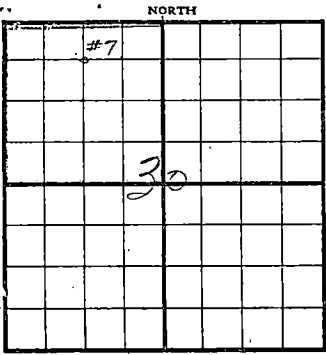


SKELLY OIL COMPANY



Cunningham "B" Unit Well Record
 Well No. 10
 Lease Name and No. J. M. Ratcliff #8026 Well No. 7 Elev. 1689' DF
 Lease Description NW/4 Section 30-27S-10W,
Kingman County, Kansas.

Location made 7/29 1936 By Pratt County Engineer
660' feet from North line 1320' feet from East line } of Lease
 }
 feet from South line feet from West line }

Rig com'd 7/31/ 1936 Rig com'd 8/3/ 1936 Drlg. com'd 8/11/36 19 Drlg. comp'd 9/3/36 19
Mahan, McCarty and Besse, Inc., Tulsa, Oklahoma.

Rig Contractor
 Drilling Contractor Southern and Thummond, Tulsa, Oklahoma.

Rotary Drilling from 0 to 2026' Cable Tool Drilling from 2026' to 2200'

Commenced Producing 9/5 1936 { Initial Prod. before shot acid 4,650 M cubic feet gas BBB
 Initial Prod. after shot acid 14,600M " " " BBB

Dry Gas Well Pressure 600# Volume 14,600 M cubic feet Cu. ft.

Casing Head Gas Pressure Volume Cu. ft.

Braden Head (10" x 7 1/2" OD) Gas Pressure Volume Cu. ft.
 Size

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

PRODUCING FORMATION ADMIRE SHALE Top 2035' Bottom 2200' TOTAL DEPTH 2200' SLM
 (Name)

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
10"	40#	8	346'				12	340'	10"	Lapweld	C	215	Halliburton Process
7"OD	24#	10	2015'				66	2031'	0"	Seamless	B	150	" "
5-3/16"	20#	10	2166'				5	116'	3"	Seamless	A	None	" "

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5-3/16" Liner Set at 2166' Length 116' Perforated at None

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	
Gas shale	2035'	2200'					See body of log for details

RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
Sand	0	35	
Sand	35	95	
Red rock	95	250	
Red rock, sand and shale	250	360	Set and cemented 10" casing at 346' with 215 sacks cement.
Red rock, shale and shells	360	827	
Shale and shells	827	1025	
Salt	1025	1290	
Shale and shells	1290	1350	
Shale and lime	1350	1450	
Lime	1450	1500	
Lime and shale	1500	1740	
Lime	1740	1760	
Sand	1760	1785	
Lime	1785	2018	Pumped 30 minutes for sample from 2013'-2018' - Sample showed porous lime.
<u>Cored 2018' - 2026' Recovered 5'</u>			
Top 1' - Shaley lime			
Bottom 4' - Hard dark salty shale			
Shale, hard dark grey Same w/ small amount grey lime	2026	2027	
Grey lime	2027	2031	
Grey lime	2031	2036	Slight smell gas - Top ADMIRE SHALE 2035'
Lime, soft porous light brown	2036	2042	
No sample	2042	2048	Gas gauged 4,650,000 cubic feet No increase gas
Shale, dark grey	2048	2052	" " "
Shale, red and grey	2052	2060	" " "
Grey shale w/ 20% grey lime	2060	2080	" " " (Gas gauged 4,120M cu. ft.) Hole caving badly
Shale, grey	2080	2087	
Shale, red and grey and grey lime	2087	2099	No increase gas
Lime, grey and grey shale	2099	2110	
Lime, grey and red shale	2110	2115	
Lime, grey and dark grey shale	2115	2126	
Shale, dark grey	2126	2135	
Shale, dark grey and red	2135	2140	
Shale, dark grey w/ little grey lime	2140	2145	
Shale, dark grey w/ little red shale	2145	2147	
Shale, dark grey	2147	2155	
Shale, dark grey w/ small amount brown lime	2155	2160	Ran and set 216' of 5-3/16" blind liner from 2044' - 2160'.
Shale, dark grey w/ 20% brown lime	2160	2161 $\frac{1}{2}$	
Shale, dark grey and brown lime	2161 $\frac{1}{2}$	2166	
Lime, hard brown	2166	2174	
Lime, brown w/ small amount blue shale	2174	2178	
Shale, blue and small amount brown lime	2178	2181	No increase gas
Shale, dark grey and brown lime	2181	2185	
Shale, grey and grey lime	2185	2200	No increase gas

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RECORD OF FORMATIONS

FORMATION	TOP	BOTTOM	REMARKS Indicate Casing Points, Describe Shows of Oil, Gas and Water, etc.
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TOTAL DEPTH

2200' SIM

Ran 2" tubing on September 4th, and on this date treated the well with 2000 gallons of Dowell "X" acid as follows:

TREATMENT No. 1

Treatment put in by Dowell, Incorporated - Used 2000 gals. "X" acid and pressured well with gas.

Time	CP	TP	Remarks
4:28 PM	610#	610#	Had 15 gallons blanket in, started acid in
4:52 "	600#	50#	Had 3 $\frac{1}{2}$ barrels acid in
4:54 "	625#	Vacuum	Had 7 $\frac{1}{2}$ barrels acid in
5:18 "	640#	7" Vacuum	Had 18 barrels acid in
5:33 "	640#	16" "	Had 24 barrels acid in (1000 gallons)
5:38 "	630#	SI	Shut in tubing
5:58 "	630#	SI	Had 31 $\frac{1}{2}$ barrels acid in
6:08 "	630#	15" "	Had 33 $\frac{1}{2}$ barrels acid in
6:13 "	630#	SI	Had 35 $\frac{1}{2}$ barrels acid in
6:25 "	630#	SI	Had 48 barrels acid in and shut well in for acid to act.

The well was pressured with gas for five hours as follows: 1st hour 300#, 2nd hour 425#, 3rd hour 470#, 4th hour 475# and 6th hour 600#.

On September 5th, pulled 2" tubing and gas gauged 14,600M cubic feet. After test, moved out cable tools and hooked the well up to furnish repressuring gas for J. M. Ratcliff well No. 3A, which is now taking gas in amount of 745,550 cubic feet per 24 hours.

SLOPE TEST DATA

Depth	Angle of Deflection
250'	1 Degree
500'	1 "
750'	1 "
1000'	1 "
1250'	1 "
1500'	1 $\frac{1}{2}$ "
1750'	2 "

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