

DRILLERS LOG

No. 1 Collins

JUL 26 1972

ING RECORD:

COMPANY: U.S. Signal Oil & Gas Co.-1971 Program

DESCRIPTION:

8 5/8" @ 445'
w/300 sx cement

CONTRACTOR: Red Tiger Drilling Company

NW NW
34-118-37W
Logan County,
Kansas

COMMENCED: November 29, 1971

COMPLETED: December 18, 1971

TOTAL DEPTH: 5648'

ELEVATION:

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Clay & Shale	0	140	
Sand & Shale	140	225	
Blue Shale	225	447	
Shale	447	1515	
Shale & Sand	1515	1965	
Shale & Lime	1965	2110	
Sand	2110	2355	
Shale & Lime	2355	2380	
Sand	2380	2425	
Red Bed, Anhydrite & Blane	2425	2598	
Anhydrite	2598	2629	
Red Bed	2629	2705	
Shale	2705	2865	
Shale & Lime	2865	3040	
Shale	3040	3225	
Lime	3225	3285	
Lime & Shale	3285	3352	
Lime, Chert & Shale	3352	3420	
Lime	3420	3595	
Lime & Shale	3595	3810	
Lime	3810	4710	
Lime & Chert	4710	5080	
Lime, Chert & Chalk	5080	5135	
Lime & Chalk	5135	5190	
Cherty Lime	5190	5270	
Lime & Arbuckle	5270	5320	
Cherty Lime	5320	5510	
Lime	5510	5575	
Lime & Sand	5575	5648	

RECEIVED
STATE CORPORATION COMMISSION
JAN 24 1972
CONSERVATION DIVISION
Wichita, Kansas



I certify that this is a true and correct copy of the above log to the best of my knowledge..

RED TIGER DRILLING COMPANY

Well Name: Signal 71 Collins #1

AFE: 5002

CNNW

34-11-37W

1972

Location: Center NW/4, NW/4 Section 34, T-11-S, R-37-W

Elevation: 3278' K.B.

Contractor: Red Tiger

Spud Date: 6:05 P.M. 11-29-71

LOG TOPS	DEPTH
SC	2590
TOP	3682
LANS	3971
BKC	4370
MRW	4642
MISS ST L	4758
SPER	4842
ARB	5188
REAGAN	5568
TD	5648



Date	Depth	Operations
1971		
11-30		Moving in rotary.
12-1	1368'	Drilling. Spudded 6:05 P.M. 11-29-71. Drilled 12-1/4" hole to 470'. Ran 14 jts. 8-5/8", 24#, K-55 casing equipped w/3 centralizers and guide shoe. Cemented @ 445' w/300 sxs Portland w/3% HA-5 and 1/8# Flocele. Circulated out 25 sxs excess. CIP 10:00 A.M. 11-30-71. Nippled up BOP's. Tested to 1000 psi. Drilled shoe @ 10:00 P.M. 12-1-71. Made 898' past 24 hours. Cost to Date: \$7,000.
12-2	2260'	Drilling Shale. Made 892' past 24 hours. Cost to Date: \$9,900.
12-3	2950'	Drilling. Made 290' past 24 hours. Cost to Date: \$11,100.
12-4	3296'	Drilling Lime.
12-5	3518'	Drilling Lime.
12-6	3827'	Drilling Lime. Cost to Date: \$14,600.
12-7	4051'	Drilling Lime. Made 224' past 24 hours. Cost to Date: \$15,800.
2-8	4266'	Drilling Lime. Made 215' past 24 hours. Cost to Date: \$18,200.
12-9	4428'	Drilling Lime. Made 162' past 24 hours. Cost to Date: \$20,200.
12-10	4619'	Drilling Lime & Chert. Made 191' past 24 hours. Cost to Date: \$21,200.
12-11	4710'	Pulling tester.
<u>DST #1</u>		<u>DST #1 4670-4710' (Morrow):</u> Opened for 30" - weak blow increasing to strong after 10". ISI 1 hr, FF 1 hr - strong blow decreasing to fair final 20", 3 hr FSI. Rec 1270' MSW. IF 107-357#, ISI 988#, FF 365-615#, FSI 1024#, Hyd. 2471-2399#, BHT 112°.
12-12	4837'	Drilling. Estimated top Mississippi 4753'.
12-13	4988'	Drilling. Cost to Date: \$23,600.
12-14	5147'	Drilling. Made 159' past 24 hours. Cost to Date: \$24,300.
12-15	5276'	Drilling Arbuckle Lime. Made 129' past 24 hours. Cost to Date: \$25,000.
12-16	5401'	Drilling. Made 125' past 24 hours. Cost to Date: \$25,800.
12-17	5587'	Drilling. Made 186' past 24 hours. Cost to Date: \$26,800.
12-18	5648'	Logging. Ran BHC-GR 5649-3600', DILL 5648-447', FDC 5648'-3600'.
12-19	5648'	Set cement Plug #1 - 70 sxs @ 1650'; Plug #2 - 25 sxs @ 465'; Plug #3 - 10 sxs @ 40'. Released rig 5:00 P.M. 12-18-71.