

August 20, 1981

SEP
2-11-18W
Ind P1

CONTRACTOR'S WELL LOG

OPERATOR: CONOCO, Inc.
 CONTRACTOR: KANDRILCO, Ltd.
 WELL NAME: M.E. Watkins #9
 LOCATION: SE SW SW Sec. 2, T11S-R18W, Ellis County, KS
 API NO.: 15-051-22,518
 COMMENCED: July 21, 1981
 COMPLETED: August 2, 1981

Drilled 640' of 13 3/4" hole. Set 14 joints (627') of new 10 3/4" 32.75# casing at 627' with 325 sacks of common cement, 2% gel - 3% CaCl. Cement did circulate to surface. Plug was down at 4:00 a.m., July 23, 1981.

FORMATION	TOP'	BOTTOM'
Sand	0	260
Sand & Shale	260	640
Shale	640	940
Sand & Shale	940	1271
Anhydrite	1271	1306
Shale & Sand	1306	1625
Lime & Shale	1625	3800

RTD 3800'. Drilled 8 3/4" hole from 627' to 3800'. Set 91 joints (3799') of new 7" 23# production casing. Used 30 scratchers, 19 centralizers. Cemented in two stages. 1st stage - 300 sacks Type H Cement, 10% salt, .75 CFR. 1st Stage plug was down at 3:00 p.m., August 2, 1981. 2nd stage - 250 sacks 50-50 pozmix 6% Gel. 2nd Stage plug was down at 4:45 p.m. on August 2, 1981.

STATE OF KANSAS, COUNTY OF SEDGWICK, SS:

I, C. K. Morrison, President, KANDRILCO, Ltd., do hereby state that the above is a true and correct copy of the Driller's Log for the M.E. Watkins #9 located in Ellis County, Kansas.

RECEIVED #9
STATE CORPORATION COMMISSION

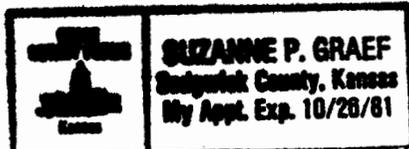
KANDRILCO, Ltd.

AUG 21 1981

C. K. Morrison
CONSERVATION DIVISION
Wichita, Kansas

C. K. Morrison, President

Subscribed and sworn to before me, a Notary Public, in and for the County and State aforesaid, as of this 20th day of August, 1981.



Suzanne P. Graef
Suzanne P. Graef - Notary Public