

JUN 12 1971

GARDNER-SONNE, INC.
WICHITA, KANSAS
DRILLERS' LOG

21-10-25W
E/2 NE SE

WELL NO. 21-10-25W
E/2 NE SE Sec. 21-10-25W
Graham County, Kansas

Commenced: April 27, 1971
Completed: May 6, 1971

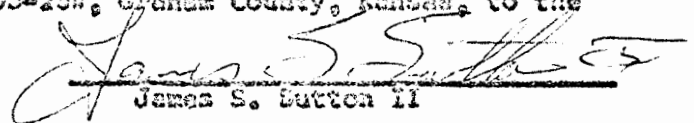
Elevation: 2548'KB

Prod: 124 BOPD N/W
Tor. GR 41

OPERATOR: DERRICK-AMERICAN OIL INC.

DEPTH		FORMATION	REMARKS
From	To		
0	440	Surface Clay and Shale	Run 10 joints used 28# 8 5/8"
440	1230	Shale	Casing set @ 100' w/175 cks GL-3
1230	1280	Sand	Cmt. PD 7:15 PM 4/27/71.
1280	1700	Shale and Shells	Cement Circ.
1700	1983	Sand	
1983	2132	Shale and Shells	
2132	2223	Anhydrite	* Drillers Tops
2223	3800	Lime and Shale	LOG TOPS:
3800	3850	Lime	
3850	4005	Lime and Shale	*Anhydrite 2182 Toronto 3822
4005	4024	Lime	* B " 2223 Lansing 3836
4024	4047	Lime and Shale	Heebner 3800
4047	4090	Lime	Run 129 joints of used 14# 5 1/2"
4090	TD		casing set @ 4007 w/125 cks salt set cement w/60# cement PD @ 9 PM 5/6/71 Centralizers @ 4005-4040'- 3900'-3935'-3965' 3990'

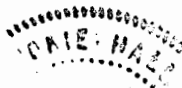
I, James S. Sutton, II certify this is a correct copy of the Drillers' Log for the well drilled in the E/2 NE SE, Section 21-10-25W, Graham County, Kansas, to the best of my knowledge and belief.

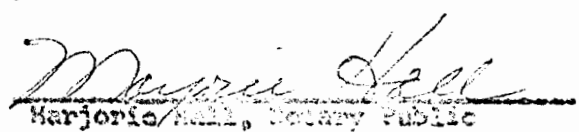

James S. Sutton II

STATE OF KANSAS)
) ss
COUNTY OF SENECA)

Before me, the undersigned, a Notary Public within and for said County and State, on this 10th day of May, 1971, personally appeared James S. Sutton II to me personally known to be the identical person who executed the within and foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal the day and year last above written.




Marjorie Hall, Notary Public