



# SABRE EXPLORATION, INC.

## WELL HISTORY

Operator: Sabre Exploration, Inc.  
 Contractor: Wheatstate Rig #4  
 Geologist: Ed Louis  
 Elevation: 2051 G.L.  
 2056 K.B.

Lease/Well #: Pfannenstiel #1  
 Location: SW NE NW Sec. 20-14S-18W  
 Ellis County, Kansas

		FORMATION TOPS	
		SAMPLE TOPS:	LOG TOPS:
6/2/84	M.I.R.T. Spudded @ 4:15 P.M. 6/2/84. Set 6 jts., new, 20#, surface casing. (Tally 253'), set @ 258'. TD 275'. Set w/175 sx. 60/40 pozmix (2% gel, 3% c.c.). Plug down @ 9:45 P.M. 6/2/84.	Anhydrite 1286 (+ 770) Heebner 3307 (-1251) Toronto Lansing 3355 (-1299) B/KC 3599 (-1543) Arbuckle 3661 (-1605) TD 3740 (-1684) LTD	3307 (-1251) 3329 (-1273) 3357 (-1301) 3603 (-1547) 3662 (-1606) 3745 (-1689)
6/3/84	Drilling @ 281'.		
6/4/84	Drilling @ 2000'.		
6/5/84	Drilling @ 2641'.		
6/6/84	Drilling @ 3255'.		
6/7/84	Circulating for samples @3412'  DST #1 (3360'-3412') 45/45/45/45 Rec. 100' GIP, 560' SOCGMW (10%M, 25% W, 10% O, 55% G), 300' OCMW (5% M, 80% W, 5% O, 10% G) FP'S 74#-170#/245#-288# SIP'S 867# constant		
6/8/84	Drilling @ 3470'.  DST #2 (3416'-3436') 45/45/45/45 GTS 10" into last opening Rec. 685' clean gassy oil, 50' muddy water. FP's 74#-149#/213#-256# SIP's 763#/742#		
6/9/84	Taking DST #4 @ 3668'.		
6/10/84	Taking DST #6 @ 3686'.		

tiel #1  
story Cont.

10/84 cont.

DST #3 (3497'-3554') 45/45/45/45  
Weak blow building to strong blow  
Rec. 480' of MW w/few spots of oil.  
FP's 53#-127#/191#-223#      SIP's 888#/888#      Temp. 111°

DST #4 (3617'-3668') 30/30/30/30  
Weak blow, died in 10".  
Rec. 30' SOCM  
FP's 21#-21#/31#-31#      SIP's 585#/363#      Temp. 112°

DST #5 (3668'-3676') 30/30/30/30  
Weak blow, died in 10".  
Rec. 60' OCM (20% oil, 80% mud) w/good show of free oil on top of  
tool.  
FP's 21#-21#/31#-31#      SIP's 1140#/1140#      Temp. 113°

DST #6 (3668'-3686') 45/45/45/45  
Fair blow building to strong blow.  
Rec. 280' water & OCM (40% mud, 20% water, 30% oil, 10% gas), 300' OCWM  
(20% mud, 35% water, 20% oil, 25% gas), 300' water w/scum oil  
FP's 53#-202#/266#-384#      SIP's 1087#/1087#      Temp. 113°  
Running 4½" production casing @ 3745'.

Ran 93 jts. of new, 4½", 10.5# production casing. Bottom 5 jts.  
sandblasted. Set at 3744' and cemented w/ 500 gal. Mud Sweep and 175  
sx. Surefill cement. Plug down at 12:25 P.M. 6/11/84.

6/11/84

6/12/84