DRILLERS WELL LOG

BROUGHER OIL, INC. P.O. Drawer 1367 Great Bend, Ks 67530

SCHEPMAN #4: API#15-009-23,630 SE NW SW Sec. 16-18-11W Barton County, Kansas 67530

SURFACE PIPE: 8 5/8" Surface Casing set at 334', cemented with 180 sacks of 60/40 Pozmix, 2% Gel, 3% C.C., cement did circulate.

PRODUCTION CASING: 51" Production casing set at 3362', cemented with 50/50 Pozmix, 18% Salt, .75% CFR-2, 20 barrels salt flush, 5# Gilsonite per sack, 150 sacks.

DATE COMMENCED: 7-18-84 DATE COMPLETED: 7-24-84

0 -334' Sand & Shale 641' Shale & Red Bed 334 -

641 -662' Anhydrite 662 - 1106'

Shale

1106 - 1465' Shale

1465 - 1490' Shale

1490 - 1994' Shale

1994 -2315' Shale & Lime

2658' 2315 -Shale & Lime

2658 - 2917' Shale & Lime

3097' Shale & Lime 2917 -

Shale & Lime 3097 -3128' 3162' 3128 -Lansing Lime

3162 -3256' Lime & Shale

3360' Lansing Lime 3256 -

33751 3360 -Arbuckle

3377' 3375 -Arbuckle

3377' RTD

AFFIDAVIT

STATE OF KANSAS) SS. COUNTY OF BARTON)

Terry Williamson of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.

Terry Williamson

Subscribed and Sworn to before me this 1st day of August, 1984

My Commission Expires: 6-9-36

Notary Public

JERI PEBLEY NOTARY PUBLIC STATE OF KANSAS MY APPT. EXPIRES