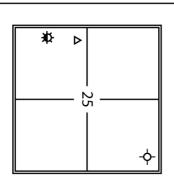
David A. Barker

CONSULTING GEOLOGIST

Geologist's Report Drilling Time and Sample Log

KB 1370 KB 1370 DF



REFERENCE WELL FOR STRUCTURAL POSITION Rathgerber No. 1-25; 25-34S-11W;

330' FWL & 1320' FSL; W/2 W/2 SW;

GEOLOGIST

Name: David A. Barker

Company: Address: 212 N. Market, Suite# 320

Wichita, Kansas 67202

MUD UP

TYPE MUD

Chemical

STRUCT COMP.

FORMATION

Heebner Sh

Haskell Lm

2546

3663 3917

2547

DNP

Stark Sh Cherokee Sh

4377 4609

4378 4608

3008

5

Stalnaker Sd

3970 4230

3968 4225

2598 2855

-2600 -2860 -3007 -3239

Kansas City

Mississippian

4689 5018

Kinderhook

Simpson Sd

5158

-3704 -3788

5081

5162

3792

N N N

-3319 -3648

3650

4708 5020

Arbuckle

-3984

-3984

SAMPLES SAVED FROM ______3

DRILLING TIME KEPT FROM _____

SAMPLES EXAMINED FROM _____

GEOLOGICAL SUPERVISION FROM

3000′

70.70

LOGTD

5388′

PRODUCTION.

URFACE

to 5370' 128 JTS new 15.5 lbs/foot

ELECTRICAL SURVEYS

CDL/CNL; DIL

Wichita, Kansas 67202 (316) 259-4294, 2 Barker@sbcglobal.net

OPERATOR

Company: Chieftain Oil Co., Inc. Address: 605 S. 6th, P.O. Box 124 Kiowa, Kansas 67070

Daily Status

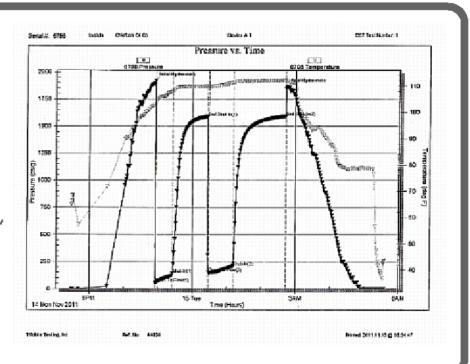
11/9/2011 Spud 11/10/2011 312 WOC, SET 11/11/2011 1537' 11/12/2011 2440' 11/13/2011 3195' 11/14/2011 3830' 11/15/2011 3985' DST #1 @3919-3985 11/16/2011 4460' 11/17/2011 4656' 11/18/2011 4980'
11/19/2011 5089' DST #2 @5018-5089
11/20/2011 5328'
11/21/2011 5390'--T.D. Log well
11/22/2011 Lost CR @10:15, Ran 128 JTS of 15.5# Casing CMT 223 SX Set @5370 plug down at 5:15 A.M.

Remarks

Set 5 1/2" casing to 5370' to further test the Mississippian formation through pipe.

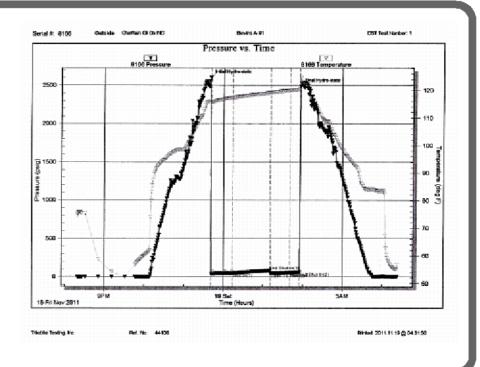
DST # 1

3919'-3985'30-60-45-90 IF: Strong Blow BOB in 45 Sec, ISI: 1" Blowback, FF: Strong Blow, BOB immediately, GTS in 4 min, FSI: 1" Blowback, REC: 3657' GIP, 248' GWCM, 186' GMCW, HP 1919#-1863#, IFP 59#-142#, FFP 154#-210#, SIP 1588#-1591#, BHT 112 deg F, Chlorides 11,500 ppm



DST #2

5018'-5089' 30-60-15-30 IF: Weak Blow 1" ISI: No Blowback, FF: Weak Surface Blow, FSI: No Blowback, REC: 70' M, HP 2596#-2483#, IFP 36#-44#, FFP 42#-53#, SIP 80#-59#, Chlorides 5,100 ppm



FOSSIL Algae Amph Belm

Rinclet





Hyymin



STRINGER

