

DAILY DRILLING REPORT

OPERATOR: L. D. DRILLING, INC.

LEASE: BUSH #1
SW SE SW SEC. 1-20-14
BARTON COUNTY, KANSAS

WELLSITE GEOLOGIST: KIM SHOEMAKER

ELEVATION: 1870' GR 1878. KB

CONTRACTOR: DUKE DRILLING

PTD: 3600'

SPUD: 8:30 P.M. 21st November 2000

SURFACE: Ran 19 jts. 8 5/8" Set @ 800' W/400 sx.
60/40 pozmix, 2% Gel, 3% cc Plug down 6:00 PM 11-22-00 Did Circulate
Allied Cementing Service

11-20-00 Move in Rig up
11-21-00 Finish rigging up - 8 5/8" on location
11-22-00 500' Drilling on Surface hole. Will finish surface hole, set pipe & take off until Friday A.M.
11-23-00 Thanksgiving (on surface time)
11-24-00 800' Drill plug @ 5:00 PM
11-25-00 1677'
11-26-00 1900' Drilling (DST #1 - **RELEASED**)
11-27-00 2640' Drilling
11-28-00 3210' Drilling
11-29-00 3410' DRILLING
11-30-00 3543' Getting ready for DST #1
12-01-00 3543 RTD

FROM CONFIDENTIAL

DUE TO LOW STRUCTURAL POSITION AND LACK OF COMMERCIAL OIL RECOVERY IT WAS DECIDED TO PLUG AND ABANDON THIS TEST.

Plugged with: 25 sx. @ 3500'
100 sx. @ 825'
10 sx. @ 40'
15 sx. in rathole
10 sx. in mousehole
Total 160 sx. 60/40 Pozmix, 6% gel,
1/4# flo-seal per sk
Plug down @ 6:00 A.M. 12-01-00 Allied Cement
STATE PLUGGER: HERB DEINES

SAMPLE TOPS:

Chase	1718 (+160)
Winfield	1770 (+108)
Neva	2224 (-346)
Red Eagle	2301 (-423)
Stotler	2587 (-709)-5' to show hole north
Tarkio	2648 (-770)-6' to show hole north
Howard	2784 (-906)
Topeka	2822 (-944)
Heebner	3123 (-1245)
Brown Lime	3224 (-1346)
Lansing	3233 (-1355)-8' to show hole
Base K/C	3461 (-1583)
Arbuckle	3513 (-1635)-10' to show hole

DST #1 1687-1786 Chase & Winfield
TIMES: 30-45-45-60
BLOW: 1st Open bb in 7 1/2 Min.
2nd open bb in 19 min.
RECOVERY: 10' DM, 120' gwm 6% gas, 40% water, 60' gcwm 49% water 14% gas
IFP: 20-63 FFP:72-108 ISIP:433 FSIP:417

DST #2 3359-3381 Lansing H Zone
TIMES: 30-30
BLOW: 1st open blt to 2"
2nd open
RECOVERY: 15' Mud W/few oil specks free oil in tool

IFP: 7-10 FFP: ISIP: 732 FSIP:

DST #3 3454-3528 Arbuckle
TIMES: 45-45-45-45
BLOW: 1st open blt to 7 1/4"
2nd open blt to 2"
RECOVERY: 100' gip, 25' mud W/few oil specks in tool
IFP:21-17 FFP:15-17 ISIP: 75 FSIP:81
TEMP. 103°

DST #4 3519-3543 Arbuckle
TIMES: 45-45-45-45
BLOW: 1st open bb 4 1/2 min.
2nd open bb 1 min
RECOVERY: 1376' gip, 10' co, 40' HO&GCM 6%water, 21% oil, 22% gas
31' HO&GCMW 14%gas,20% oil, 25% water
31' O&GCMW, 8% oil, 10% gas, 41%water
IFP: 14-35 FFP: 39-57
ISIP: 768 FSIP: 640