Mar R. Lang

Phillips Exploration
Phillips Petroleum
Co.
Well Name: Ty Sue
Lease: Dowling
Field: Wildcat
Location: 660' FSL & 1980' FWL
Sec. 3 Twp. 30S Rng. 6W
County: Grant
State: KS
Elevation: 3385 KB
3383 GL
Date Completed: 5-4-2002
Total Depth: 5400
Casing Record: 8 5/8" @ 1700'
Contractor: Duke Drilling Co. Rig #10
Drilling Time: Every 10' to 2500', then every 5' to TD
Samples: Saved and Examined from 2500' to TD
Drilling Mud: Chemical Gel
Rotary Tools: 0' to TD
Cable Tools: None
Electric Logs: Dual Induction, Compensated Density/Neutron, Sonic
Drill Stem Tests: None
Perforations: None
Production: D&A
Remarks: THE PLUG #1 BAR STRATIGRAPHIC LOG TO DETERMINE WHICH PERFORATION ZONES WERE BEST. DURING THE DRILLING OPERATIONS, THE LANDOWNER WAS A REALLY NICE GUY, BUT WITH TWO ZONES REALLY LOOKING FAIR, A TRIPLE-COMPLETION, THE ROAD FACTS, CAUSED THE #1 NOT TO BE PLUGGED AND ABANDONED.
Respectfully Submitted,
Mar R. Lang

LEGEND

Anhydrite | Salt | Sandstone | Shale | Oolite or Limestone | Fossiliferous Limestone | Chert | Dolomite

DRILLING TIME IN MINUTES PER FOOT
1" 10" 20" 30" 40"

DEPTH | LITHOLOGY | SAMPLE DESCRIPTIONS | DRILL STEM TESTS | REMARKS

2500
Lansing 2514 (-129)
Base Kansas City 2750 (-365)
3600
Fort Riley 3675 (-710)
3700
3800
3900
4000
Stanton 4012 (-1027)
Toronto 4037 (-1052)
Lansing 4100
4200
Muncie Creek 4300
4400
Stark 4406 (-1121)
Hushpuckney 4442 (-1157)
4500
Base Kansas City 4521 (-1236)
Marmaton 4551 (-1166)
Pleasanton 4577 (-1192)
4600
Mound Valley 4630 (-1245)
Fort Scott 4670 (-1285)
Cherokee 4704 (-1319)
4700
Mississippian 4746 (-1361)
4800
Kinderhook 4866 (-1481)
Base Kinderhook 4894 (-1509)
Viola 4900
4900
Simpson Sand 5000 (-1615)
Arbuckle 5070 (-1685)
Total Depth 5400 (-1815)

Lime, dark gray, fine xln, sparse oil

Lime, tan, xln, sparse oil

Lime, tan, xln, sparse oil

Lime, tan,