



Operator Name Dark Horse Oil Company Lease Name Long Family Trust Well # 1-13  
 Sec. 13 Twp. 2-S Rge. 27  East  West  
 County Decatur

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)  List All E.Logs Run: Dual Induction w/GR Compensated Neutron Density w/PE Sonic Log Micro Log Dual Receiver Cement Bond Log	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datums</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Top Stone Corral</td> <td>2204</td> <td>+494</td> </tr> <tr> <td>Base Stone Corral</td> <td>2238</td> <td>+460</td> </tr> <tr> <td>Topeka</td> <td>3354</td> <td>-656</td> </tr> <tr> <td>Heebner Shale</td> <td>3520</td> <td>-822</td> </tr> <tr> <td>Toronto</td> <td>3551</td> <td>-853</td> </tr> <tr> <td>Lansing</td> <td>3562</td> <td>-864</td> </tr> <tr> <td>Base/Kansas City</td> <td>3762</td> <td>-1064</td> </tr> <tr> <td>Total Depth</td> <td>3825</td> <td>-1127</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample	Name	Top	Datum	Top Stone Corral	2204	+494	Base Stone Corral	2238	+460	Topeka	3354	-656	Heebner Shale	3520	-822	Toronto	3551	-853	Lansing	3562	-864	Base/Kansas City	3762	-1064	Total Depth	3825	-1127
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12 1/4"	8 5/8"	20#	289'	COMMON	185	3%cc 2%ge
PRODUCTION	7 7/8"	4 1/2"	10.5#	3791'	EA-2	175	

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input checked="" type="checkbox"/> Protect Casing	2213'	MID-CON	325	1/4# Flocele
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	152'	COMMON	40	No additives

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Amount	Depth
Four (4)	3592' thru 3594' (Pollnow Zone)	250 gal. of 15% MCA	3592'
		1000 gal. of 20% SGA	3592'

TUBING RECORD      Size 2 3/8"      Set At 3723.80'      Packer At NA      Liner Run  Yes  No

Date of First, Resumed Production, SWD or Inj. 11/09/2001      Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours      Oil 65 Bbls.      Gas Mcf      Water 45 Bbls.      Gas-Oil Ratio      Gravity 35°

Disposition of Gas:      METHOD OF COMPLETION      Production Interval 3592'-3594'

Vented     Sold     Used on Lease       Open Hole     Perf.     Dually Comp.     Commingled

(If vented, submit ACO-18.)       Other (Specify)