



SIDE TWO

Operator Name National Cooperative Refinery Association Lease Name Merrill Well # 1

Sec. 24 Twp. 33S Rge. 16  East  West County Comanche

WELL LOG

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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name Top Bottom

see attached

see attached

CASING RECORD <input 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
Conductor	22"	16"		75	Common	130	.3% CC
Surface	12 1/4"	8 5/8"	24 #	517.35	Common	150	.3% cc, .2% gel
					Common	150	1/2# Floccel per sx
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
TUBING RECORD				Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No		
Date of First Production	Producing Method						
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled .....

MERRILL NO. 1

Sample tops:	Chase	2255'
	Empire	3220'
	Waubansee	3284'
	Topeka	3416'
	Heebner	3918'
	Douglas	4033'
	Douglas Sand	4053'
	L/KC	4090'
	Marmaton	4597'
	Cherokee	4620'
	Mississippi	4712'
	Arbuckle	5338'

DST #1 4678-4731' Mississippi formation 15-30-60-120  
Very weak blow on first open - dead the rest of test.  
IHP 2429# IFP 91-91# ISIP 91# FFP 91-101# FSIP 1111# FHP 2408#  
BHT 127° Rec. 30' drlg. mud w/few specks of oil in top of tool.

Ran DST #2 4730-4829' Mississippi formation 15-30-60-120 IHP  
2520# IFP 142-142# ISIP 193# FFP 152-152# FSIP 203# FHP 2500#  
BHT 128° Very weak blow 2" deep in bucket decreasing to 1/2" at  
end of final blow. Rec. 60' drlg. mud w/few specks of oil.