



Operator Name Petroleum Management, Inc. Lease Name Helen Holmquist Well # 3

Sec. 10 Twp. 6S Rge. 21W  East  West County Graham

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	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample
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	
DST #1	3498'-3518'		
Open 45 min with strong blow in 17 min. Closed 45 min. Open 30 min. with strong blow in 23 min. Recovered 630' of water.			
IFP	77-209 psi	FFP	286-319
ISIP	1213	FSIP	1203
DST #2	3561'-3590'		
Open 45 min with strong blow in 32 min. Closed 45 min. Open 45 min with strong blow in 38 min. Closed 45 min. Recovered 240' gas in pipe, 80' clean oil 38°, 130' muddy oil.			
IFP	63-95 psi	FFP	114-138
ISIP	1045	FSIP	1009
DST #3	3637'-3666'		
Open 45 min with strong blow in 30 min. Closed 45 min. Open 45 min with strong blow in 30 min. Closed 45 min. Recovered 300' of gas in pipe, 10' clean oil, 170' muddy oil.			
		IFP	77-99 psi
		ISIP	1136
		FFP	12132
		FSIP	1104

CASING RECORD <input checked="" type="checkbox"/> New & <input checked="" 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"	36#	253'	60/40 Poz.	165	3% CC, 2% Gel
Production	7 7/8"	4 1/2"	10.5#	3,792'	60/40 Poz. Lite	150	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
	3678-80'			250 gal 250 MCA		3678-80'	
	3661-64; 3651-57';			1500 gal 15% NE, 3000 gal		3661-64'	
	3571-84'			1500 gal 15% SGA, 15% SGA		3651-57'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Size	Set At	Packer at					
2 3/8"	3742'						
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....						
7/21/87							
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	50		10				
	Bbls	MCF	Bbls	CFPB			

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  Sold  Other (Specify) ..... 3506-3694

Used on Lease  Dually Completed  Commingled .....