

Operator Name **Ramco Energy Corporation** Lease Name **George Miller Etal Well #1**

Sec. **25** Twp. **28** Rge. **14** East West County **Pratt**

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.

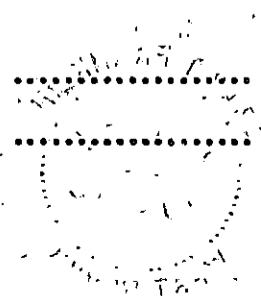
Drill Stem Tests Taken	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
DST #1: Intv. 4326'-4395'. 30-60-30-60. IFP 51-51, ISIP 123#, FFP 51-51, FSIP 72#, IHP 2117, FHP 2096. Rec. 26' dm. BHT 105°.			Name: Heebner 3765' -1773 Toronto 3786' -1794 Brown Lime 3946' -1954 Lansing 3962' -1970 B/KC 4320' -2328 Marmaton 4335' -2343 Miss 4418' -2426 Viola 4450' -2458 Simpson Shale 4494' -2501 Simpson Sand 4502' -2509 Arbuckle 4583' -2591 T.D. 4628' -2636
DST #2: Intv 4454'-4475'. 30-60-45-90. IFP 21-31, ISIP 790#, FFP 31-31, FSIP 790#, IHP 2200, FHP 2158. Rec. GTS in 12 min.-2nd opening. 60' GCM. BHT 110°. 2nd opening 20 min. - 14300 CF, 25 min.-12700 CF, 35 min.-12700, 45 min.-12700 CF.			
DST #3: Intv 4489'-4510'. 30-60-45-90. IFP 41-123, ISIP 627#, FFP 123-237, FSIP 627#, IHP 2200, FHP 2158. Rec. GTS on 1st SI. 140' HG & OCM. (top 10% G, 33% O, 57% mud)(btm 40% G, 48% O, 12% mud). 260' free gassy oil (40.6 @ 60°). 160 wtr (58,000 ppm). 2nd opening-15 min.-4840 CF, 25 min.-7060 CF, 35 min.-7700 CF, 45 min.-7700 CF.			

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#	300'	60/40 Poz	195	3% cc:2% gel
Production		4-1/2"	10.5#	4629'	50/50	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	
2 SPF	4536'-4538'			Set CIBP @ 4530'			
2 SPF	4502'-4506'			750 gals 15% FE D.S.			
2 SPF	4502'-4506' Squeeze w/75 sx Std. 75%			Halad 9 & 50 sx Std w/10% Salt			
2 SPF	4502'-4506'			500 gals 15% FE D.S.			
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



15-151-21925-00-00



DUAL INDUCTION SHORT GUARD LOG

COMPANY WELL FIELD COUNTY	COMPANY: RAMCO ENERGY CORPORATION WELL: GEORGE MILLER ETAL NO. 1 FIELD: COUNTY: PRATT STATE: KS		
	API NO. 151-21,925 LOCATION: SH-SH-SH		RECEIVED STATE CORPORATION COMMISSION MAY 17 1989 CONSERVATION DIVISION Wichita, Kansas
	SEC. 25 TWP 28S RGE 14W		OTHER SERVICES CDL/DGNII ML CAVL MEL
	PERMANENT DATUM G.L. ELEV. 1987 LOG MEASURED FROM K.B. 5.0 FT. ABOVE PERM. DATUM DRILLING MEASURED FROM K.B.		
DATE: 04/02/89		ELEV.: K.B. 1992 D.F. 1990 G.L. 1987	
RUN NO.	ONE		
DEPTH-DRILLER	4630		
DEPTH-LOGGER	4628		
BTM. LOG INTER.	4625		
TOP LOG INTER.	0		
CASING-DRILLER	8 5/8 @ 300		
CASING-LOGGER	300		
BIT SIZE	7 7/8		
TYPE FLUID IN HOLE	CHEM-GEL		
DENS. : VISC	9.3 150		
PH : FLUID LOSS	9.0 115.2		
SOURCE OF SAMPLE	MUD TANK		
RM @ MEAS. TEMP.	0.75 @ 69		
RMF @ MEAS. TEMP.	0.63 @ 69		
RMC @ MEAS. TEMP.	0.87 @ 69		
SOURCE RMF : RMC	MEAS : MEAS		
RM @ BHT	0.41 @ 124		
TIME SINCE CIRC.	2.8 HRS		
TIME ON BOTTOM	01:20		
MAX. REC. TEMP.	124 @ TD		
EQUIP. : LOCATION	51299 : G.BND		
RECORDED BY	BENTSEN		
WITNESSED BY	S. ALBERG	C. SUMMERS	

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