

Operator Name Petroleum, Inc. Lease Name Nichols 'E' Well # 3

Sec. 20 Twp. 29S Rge. 18 East West County Kiowa

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
DST #1 4338-4366' 15-30-60-120' 1st open GTS 1", 2675 MCF/5", 4946/10", 5076/15". 2nd open 5245 MCF/20", 4245/30". Rec. 90' water. IFP 966-986#, ISIP 1414#, FFP 966-1015#, FSIP 1414#	Heebner	4126	(-1871)
	Toronto	4142	(-1887)
	Douglas	4156	(-1901)
	Brn. Ls.	4306	(-2051)
DST #2 4369-4434' 15-30-60-120' 1st open 542 MCF/5", 653/10", 754/15". 2nd open 804 MCF/10", 847/20", stabilized. Rec 240' gas cut mud. IFP 285-285#, ISIP 1535#, FFP 285-305#, FSIP 1535#.	Lansing	4319	(-2064)
	Stark	4635	(-2380)
	Hertha	4691	(-2436)
	Cherokee	4841	(-2586)
	Miss.	4906	(-2651)
DST #3 4436-4500' 15-30-60-120' 1st open GTS 1", 3424 MCF/5", 3929/10", 5065/15". 2nd open 5065 MCF/10", 5543/20". Rec. 20' gas cut mud. IFP 897-897#, ISIP 1564#, FFP 926-926#, FSIP 1564#.			
DST #4 4576-4595' 15-30-60-120' 1st open GTS 5", 78,100 MCF/10", 121,000 MCF/15". 2nd open 129 MCF/10", 147/20", 134/30", 134/40", 129/50", 116/60". Rec. 120' oil, 120' muddy oil. IFP 88-68#, ISIP 768#, FFP 78-88#, FSIP 768#.			
DST #5 4685-4703' 15-30-60-120' Rec. 6000' GIP, 70' oil cut mud. IFP 29-29#, ISIP 530#, FFP 29-29#, FSIP 1384#.			

CASING RECORD <input checked="" type="checkbox"/> Now <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 1/2"	8-5/8"	23	640'	Common	350	3% gel, 2% CO
Prod.	7-7/8"	5 1/2"	14	4953'	50/50poz	225	10% salt, 2% gel
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	4581-86'			750 gal. 15% DSFS Acid		4581-86'	
1	4445-54'			1000 gal. 15% acid w/Det.		4445-54'	
1	4417-32'			1600 gal. 15% acid w/Det.		4417-32'	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At		Packer at			
2-3/8"		4467'		N/A			
Date of First Production		Producing Method					
Not Producing		<input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Negotiating Gas Contract							
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
0			1250	0			
		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

4445-54'
 4417-32'