

SIDE TWO

Operator Name Mid Continent Energy Corp Lease Name Hays Well # 1

Sec. 12 Twp. 12 Rge. 34 East West County Logan

Estimated Production Per 24 Hours	Oil <u>30</u> Bbls	Gas — MCF	Water — Bbls	Gas-Oil Ratio CFPB	Gravity <u>29°</u> <u>60°F</u>
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METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 4660-4668

Drill Stem Tests Taken Yes No
Samples Sent to Geological Survey Yes No
Cores Taken Yes No

Formation Description
 Log Sample

DST #1: Lansing "H" zone 4,242-4,283', 30"-30"-30"-30". IFP=wk. stdy. blow, 1/4" in bucket, FFP=wk. blow on top of water. Rec. 45' mud w/ few spots of oil. SIP=1234-1174#, FFP=50/50 & 50/50#, HSP=2117-2097#, BHT=116°.

DST #2: Johnson Zone, 4,654-4,680', 30"-30"-45"-60", IFP=strg. blow off btm. of bucket in 5 min. FFP=strg. blow off btm. of bucket in 20 min.. Rec. 532' free oil (29° gravity), 60' GIP, 62' OCM (40% oil, 60% mud), SIP=1075-1055#, FFP=50/101-152/223#, HSP=2386-2356#, BHT=128°.

Name	Top	Bottom
Anhydrite	2649 (+531)	2670 (+510)
Heebner	4056 (-876)	
Toronto	4088 (-908)	
Lansing	4106 (-926)	
Stark Shale	4332 (-1152)	
Pawnee	4526 (-1346)	
Cherokee Sh.	4576 (-1396)	
Johnson Zone	4659 (-1556)	
Weathered		
Mississippi	4740 (-1560)	
Log T.D.		4780 (-1600)

CASING RECORD New 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#	367	60/40	240	3% CC 2% Gel
Production	7.7/8	4.1/2	10.5#	4779	50/50	50	2% 7 1/2%
					Lite	550	
						180	sk sure fill

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4660'-4668'	750 gal. (INS) 15%	4660-68'

TUBING RECORD Size 2-3/8" Set At 4,700' Packer at Liner Run Yes No

Date of First Production 12-6-85 Producing Method Flowing Pumping Gas Lift Other (explain)