

P1

Operator Name Boese Brothers Lease Name Bertrand Well # 2

Sec. 20 Twp. 12s Rge. 33 East West County Logan

3-1085 Flowing Pumping Gas Lift Other (explain).....

Oil	Gas	Water	Gas-Oil Ratio	Gravity
8	0	120		37°@60
Bbls	MCF	Bbls	CFPB	

Estimated Production Per 24 Hours

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

Formation Description Log Sample

Name	Top	Bottom
Anhydrite	2632	
B/Anhydrite	2654	
Topeka	3829	
Heebner	4051	
Lansing	4093	
Base KC	4391	
Marmaton	4432	
Pawnee	4526	
Ft. Scott	4585	
Cherokee	4613	
JH Zone	4659	
Mississippi	4726	

HEEBNER-LS. tan dse, fxl, shs, gry, sulphur odor rare spotted surf
 LANSING-LS. wht fxl, ool, dse, sl-fr sfo
 Base KC-LS. tan fxl, dse, vsl sfo ixl
 Miss. LS. wf wht. tan fxl, shy, NSFO

DST#1-4274-4325-60-45-60-45 1st open
 FP 70/140 SIP 847# 2nd open
 FP 160/200 SIP 718# Rec. 288'
 GIP 86' clean gassy oil 257'
 O@GCM 32' WM.

DST#2-4556-4674-60/60/45/60. 1st open
 FP 50/270 SIP 1015# 2nd open
 FP 290/370 SIP 1015#. Rec.
 720' MW with scum of oil.

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 4319-4323
 Used on Lease Partially Completed

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	24#	345	Com.	200	2% gel. 3% oc
Production	7 7/8	4 1/2	10 1/2	4757	50/40 po	225	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
4	4660-62	4674-76	4680-84	500 15% MCA
	4688-92			1500 gal. mod. 202
1	4339	4321	4297	4259
	SQUEEZED			1000 gal. 15% MCA
8	4319-23			500 gal 15% Non E

TUBING RECORD Size 2 3/8 Set At 4320 Packer at -- Liner Run Yes No

Date of First Production | Producing Method