

Operator Name Bowers Drilling Co Lease Name Haas Well # 10 SEC. 4 TWP. 31S RGE. 12 East West

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 *KK*

Formation Description
 Log Sample

DST #1 3731-45

Open 30 min - Shut in 20 min
 Open 20 min - Shut in 30 min

Recovered 270' fluid (30' GM, 60' GWM and 80' GMW)

ISIP 1090 FSIP 1072
 IFP 58 FFP 117-142

Name	Top	Bottom
Heebner	3592	-1864
Douglas Shale	3627	01902
Douglas Sand 1st	3454	-1929
Douglas Sand 2nd	3731	-2006
Lansing KC	3804	-2079
Base KC	4217	-2494
Mississippi	4302	-2577
Kinderhook	4333	-2608
Viola	4468	-2743
Log T.D.	4499	

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 Pipe	12 1/4"	8 5/8"	23#	291'	60-40 Pos Mix	200	2% gel; 3% cc

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

TUBING RECORD

Size Set At Packer at Liner Run Yes No

Date of First Production Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
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