

SIDE TWO

Operator Name Graves Drilling Co., Inc. Lease Name Theron Well # 3

Sec. 11 Twp. 32S Rge. 12 East West County Barber

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
Red bed	0	645
Shale & lime	645	1538
Shale	1538	2053
Shale & lime	2053	4320
Rotary Total Depth		4320
Elgin Shale		3342 (-187)
Elgin Sand		3366 (-189)
Heebner		3493 (-204)
Douglas Sand		3630 (-216)
Lansing		3672 (-220)
Stark		4042 (-258)
Mississippian		422 (-276)
LTD		4320 (-285)

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	25 bbl.	25 Mcf.	0	1-1	32
Estimated Production Per 24 Hours	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Open Hole ☒ Perforation
☒ Sold ☐ Other (Specify)

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 (new)	12 1/2"	8-5/8"	23#	518'	common	275	2% Gel. 3% CC
Production (U)	7-7/8"	4-1/2"	10.5#	4318'	surefill	75	500 gal. mud swee

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 shots	4232' to 4236' 4242' to 4244' 4246' to 4248' 4258' to 4260' 4268' to 4270' & 4276' to 4278'	Acidized with 1500 gals. of 7 1/2% Perm. acid Fraced with 25,000# of 10-20 and 300# 8-12 sand & 1355 barrels of XI-4 treating fluid	

TUBING RECORD	Size 2"	Set At 4305'	Packer at None	Liner Run ☐ Yes ☒ No
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Date of First Production Producing Method
 February 8, 1985 ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....