

Operator Name **Hawkins Oil & Gas, Inc.** Lease Name **Pankratz** Well # **1-28**

Sec. **28** Twp. **32S** Rge. **42** East West County **Morton**

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

DST #1 3451-3468'. IH 1643#. IF (30")
 81-65#. ISI (60"), 581#. FF (45") 97-81#.
 FSI (90"), 581#. FH 1643#. Rec. 80' drilling mud.

Name	Top	Bottom
Neva	2532'	2080'
Topeka	2970'	3312'
Heebner	3312'	4537'
Morrow	4537'	4998'
Keyes	4998'	5032'
Chester	5032'	5122'
St. Gen.	5122'	5430'
TD	5430'	

DST #2 4905-4980' 30-60-60-120
 IH 2334#. IF 484-419# (30"). GTS 2". Stab.
 @ 1729 MCF. ISI 1080# (60"). FF 484-419# (60").
 Stab. 1764 MCF. FSI 1080# (120"). FH 2334#.
 BHT 136°F. Rec. 75' SOCDM.

RELEASED
 JUN 08 1988
 FROM CONFIDENTIAL

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"	24#	1621	Lite	650	2% CC
Production	7 7/8"	5 1/2"	15.5#	5430	Standard Selfstress	200 50 300	3% CC . .25#/sx D-60

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4951-4959 (squeezed)	treated with 1000 gals. diesel	4951-59'
2	4916-4926	" " " "	4916-26'

TUBING RECORD Size 2 3/8" Set At 4876 Packer at 4876 Liner Run Yes No

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

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	0 Bbls	537 MCF	Bbls	CFPB	

METHOD OF COMPLETION Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 4916-4926'
 To be sold Used on Lease Dually Completed Commingled