

Operator Name Pan Eastern Exploration Co. Lease Name Miller "O" Well # 1hSec. 9 Twp. 33 Rge. 38 ☐ East ☒ West County Stevens

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
Shale-Redbed	0	615
Redbed-Shale	615	946
Shale-Redbed	946	1180
Glorietta Sand	1180	1341
Shale	1341	1685
Shale-Lime	1685	2835
TD	2835	

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	614	75/25 Poz	215	2%cc + 1# cel
					Common	150	3%cc + 1# cel
Production....	7 7/8	5 1/2	14	2833	20% DC-D	200	2%cc + 1# cel
					10% DC-D	40	2%cc + 1# cel

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (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 CFPB	Gravity

METHOD OF COMPLETION

Production Interval

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

GABBERT-JONES, INC.
WICHITA, KAS.

DRILLERS WELL LOG

MILLER O-1H
2310' FSL & 1320' FEL Sec. 9-33S-38W
STEVENS COUNTY, KANSAS

COMMENCED: 8-1-87

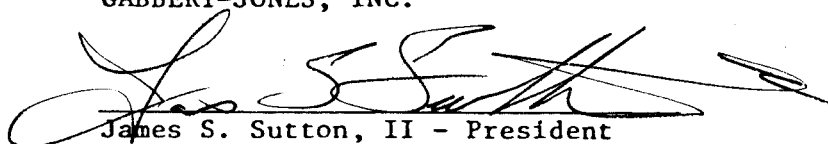
COMPLETED: 8-5-87

OPERATOR: PAN EASTERN EXPLORATION COMPANY

DEPTH			
From	To	Formation	Remarks
0	615	Shale-Redbed	Ran 14 jts. of 24# 8 5/8"
615	946	Redbed-Shale	csg. set @ 614' w/215
946	1180	Shale-Redbed	sks 25/25 Posmix - 1/4# Floseal
1180	1341	Glorita Sand	2% CC - 150 sks Common
1341	1685	Shale	3% CC - 1/4# Floseal
1685	2835	Shale-Lime	PD @ 3:30 AM 8-2-87.
	2835 TD		Ran 69 jts. of 14# 5 1/2"
			csg. set @ 2833' w/
			200 sks Class C -
			20% Diecell D - 2% CC
			1/4# Floseal - 40 sks Class C
			10% Diecell D - 2% CC
			1/4# Floseal
			PD @ 8:30 AM 8-5-87.

STATE OF KANSAS) I, the undersigned, being duly sworn on oath, state that
COUNTY OF SEDGWICK) the above Drillers' Well Log is true and correct
to the best of my knowledge and belief and according
to the records of this office.

GABBERT-JONES, INC.


James S. Sutton, II - President

Subscribed & sworn to before me this 13th day of August 1987.


Lola Lenore Costa - Notary Public

My Commission expires 11-21-88