



# 3100 TWA

SIDE TWO

# TIGHT HOLE

Operator Name ..... Energy Exploration, Inc. Lease Name ..... Stoll Well # ..... 2

Sec. 1 Twp. 11S Rge. 32  East  West County Logan

### 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 4033-4050 (Lns. A) 30-60-60-60, Rec. 30' M, 275' W, 50,000 chl., IHP 1978, IFP 40-71, ISIP 1263, FFP 81-162, FSIP 1263, FHP 1958, temp. 129°.  
DST #2 4109-4124 (Lns. E) 30-60-60-60, Rec. 180' GIP 250' O (35°), 60' OCM, (10% O, 90% M), IHP 2047, IFP 30-60, ISIP 1025, FFP 81-142, FSIP 946, FHP 2037, temp. 122°.  
DST #3 4172-4256 (Lns. H,I,J) 30-60-60-60, Rec. 90' GIP, 90' OCM (15% O), 10' OCM (10% O) IHP 2087, IFP 50-60, ISIP 1174, FFP 101-101, FSIP 1105, FHP 2069, temp. 124°.  
DST #4 4254-4291 (Lns. K) 30-60-60-60, Rec. 60' OCM, (10% O) IHP 2137, IFP 30-30, ISIP 223, FFP 40-40, FSIP 172, FHP 2117, temp. 124°.  
DST #5 4295-4430 (L, Len, Alt.) 30-60-60-60, Rec. 810' GIP, 250' O (34°) 100' OCM (10% O), IHP 2167, IFP 30-71, ISIP 1373, FFP 91-142, FSIP 1353, FHP 2147, temp. 126°.  
DST #6 4436-4530 (Paw, My. Sta, Ft. Scott) 30-60-60-60, Rec. 30' OCM (5% O), 30' OCGM (15% O), IHP 2237 IFP 40-50, ISIP 223, FFP --71, FSIP 132, FHP 2221, temp. 128°.

Formation	Top	Bottom
Anhydrite	2554 +484	2554 +484
Heebner	4002 -964	4005 -967
Lansing	4040 -1002	4046 -1008
Stark	4260 -1222	4264 -1226
BKC	4319 -1281	4324 -1286
Marmaton	4352 -1314	4354 -1316
Pawnee	4444 -1406	4448 -1406
Myrick Station	4490 -1452	4496 -1458
Fort Scott	4515 -1477	4517 -1479
Cher. Shale	4543 -1505	4544 -1506
Cher. Jhn.	4582 -1544	4587 -1549
Cher. Sd.	4613 -1575	4614 -1576
Mississippi	4651 -1613	4652 -1614
T.D.	4700	4701

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
2nd stage				2576	Mix	375	
Surface	12-1/4	8-5/8	20	267	Common	175	2% gel, 3% ca. fl.
Production	7-7/8	4-1/2	10.5#	4667	50/50 pop. surefill	50 175	2% gel, 7.5# gil. 4# gil.

#### PERFORATION RECORD

#### Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	4121-4126	250 gals. 15% mud acid	
		1250 gals. 15% NE acid	4121-26
2	4248-4254	250 gals. 15% mud acid	
	(continued on attached page)	1250 gals. 15% NE acid	4248-54

TUBING RECORD Size 2 3/8" Set At 4387' Packer at N/A Liner Run  Yes  No

Date of First Production June 17, 1987 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
		TSTM	N/A	N/A	40
	60 Bbls	MCF	Bbls	CFPB	

#### METHOD OF COMPLETION

#### Production Interval

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

4121-4318  
.....  
overall  
.....

1-11-32W  
**TIGHT HOLE**  
*Energy Etpl.  
Still # 2*

<u>Shots per foot</u>	<u>interval</u>	<u>Acid, Fracture, Shot, Cement Squeeze Record</u>	<u>Depth</u>
2	4314-4318	250 gals. 15% mud acid; 1250 gals. 15% NE	4314-18
2	4358-4363	250 gals. 15% mud acid; 500 gals. 15% NE	4358-4363