



15-193-20410-00-00  
SIDE TWO

# TIGHT HOLE

Operator Name ..... Energy Exploration, Inc. ..... Lease Name..... Bell ..... Well #..... 1

Sec..... 20 ..... Twp..... 10S ..... Rge..... 32 .....  East  West ..... County..... Thomas

## 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 4100-4129 (Lns E,F) 30-60-60-60, Rec. 30' MW, Chl. 36,000 PPM, SIP 1283-1253#, FP 50-50/50-50, HP 2067-2657, BHT 121°  
 DST #2 4168-4230 (H' H & I) 30-60-60-60, Rec. 120' SOCM, SIP 1303-1224#, FP 60-71/111-121, HP 2137-2117#, BHT 124°  
 DST #3 4222-4255 (Lns. 'J') 30-60-60-60, Rec. 1800' GIP, 383' CGO (Gravity 38) 276' GCMO (40% O, 30% G, 30% M), 184' GMCO (50% G, 35% O, 15% M) SIP 1343-1263#, FP 50-152/203-335#, HP 2147-2107#, BHT 122°  
 DST #4 4255-4306 (Lns. K-L) 30-60-30-30, Rec. 30' M, SIP 1244-1115, FP 50-60/60-71, HP 2157-2147, Temp. 123°  
 DST #5 4427-4523 (Paw., M.S., Ft. S) 30-60-60-60, Rec. 336' SOCMW (2% O) 1824' SGCW, Chl. 42,000, SIP 1194-1184, FP 365-776/856-1085, HP 2296-2217, Temp. 129°  
 DST #6 4557-4642 (Cher Jhn, Sd) 30-60-60-60, Rec. 180' M (SI O scum) SIP 1055-826, FP 71-91/121-142, HP 2406-2366, Temp. 132°

Name	Top	Bottom
Formation	Sample	Log
Anhydrite	2595 +493	2697 +491
Topeka	3776 -688	3776 -688
Heebner	3999 -911	4000 -912
Toronto	4018 -930	4018 -930
Lansing	4038 -950	4040 -952
Stark Sh.	4256 -1168	4257 -1169
BKC	4323 -1235	4320 -1232
Marmaton	4350 -1262	4354 -1266
Pawnee	4445 -1357	4445 -1357
Myrick Sta.	4489 -1401	4491 -1403
Ft. Scott	4509 -1421	4509 -1421
Cher. Sh.	4536 -1448	4536 -1448
Cher. Jhn.	4581 -1493	4582 -1494
Cher. Sd.	4628 -1540	4630 -1542
Mississippi	4651 -1563	4652 -1564
ID	4700	
LTD		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
Surface (new)	12 1/4"	8 5/8"	20#	287'	COMMON	200	2% gel... 3% c.c.
Production (used)	7 7/8"	4 1/2"	9 1/2#	4698'	50/50 port	50	2% gel... 7 1/2# gil.
2nd stage				2568'	surefill	200	
					lite cmt.	575	

### 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	4242-4248	1250 gals. 15% RELEASED	4242-48
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### TUBING RECORD

Size 2 3/8" Set At 4310' Packer at N/A Liner Run  Yes  No

Date of First Production 7-10-86 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

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

### METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Sold  Used on Lease  Open Hole  Perforation  Other (Specify) ..... 4242-48

Dually Completed  Commingled

FROM CONFIDENTIAL

AUG 1 5 1987

15-93-20410-00-00



**ELECTRA  
LOG  
INC.**

SEC. 20 TWP. 10S RGE. 32W  
*Radiation Guard Log*

**KEVIN L. HOWARD**  
PETROLEUM GEOLOGIST  
1002 S. BROADWAY  
WICHITA, KS. 67211  
(316) 267-7336

**CONFIDENTIAL**

COM. ENERGY EXPLORATION, INC. RECEIVED  
STATE REGISTRATION COMMISSION  
SEP 12 1991

BELL #1  
FIELD WILDCAT  
COUNTY THOMAS STATE KANSAS  
Location SW-SW-SW Other Services  
Sec. 20 Twp. 10S Rge. 32W

**GEOLOGIST'S REPORT**  
DRILLING TIME AND SAMPLE LOG

OPERATOR Energy Exploration Inc.  
LEASE Bell  
FIELD WC  
LOCATION SW SW SW  
SEC. 20 TWP. 10S RGE. 32W  
COUNTY Thomas STATE KS.

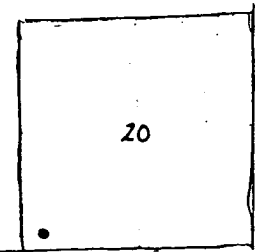
ELEVATIONS  
KB 3088  
DF  
3083  
MEASUREMENTS  
FROM KB  
280', 200 SKS  
com 5% C.C., 270 G.C.I  
Set at 4698

Permanent Datum GROUND LEVEL Elev. 3083  
Log Measured From K.B. FIVE Fl. Above Perm. Datum Elev. K.B. 3088  
Drilling Measured From KELLY BUSHING D.F. 3086  
G.L. 3083

OPERATOR Abercrombie Inc Rig S  
DMM 6-9-86 CAMP 2-20-86  
NO 4699 TO 4701  
SAMPLES SAVED FROM 3800 TO TD  
DRILLING TIME FROM 3700 TO TD  
SAMPLES EXAMINED FROM 3800 TO TD  
ELEV. CAL. VARIATION FROM 3800 TO TD  
V.C. 3800 TYPE M.C. Chem.

Date	6-19-86			
Run No.	ONE			
Depth - Driller	4699			
Depth - Logger	4701			
Bit Log Inter.	4699			
Top Log Inter.	0			
Casing - Driller	8 5/8 @ 287	@	@	@
Casing - Logger	285			
Bit Size	7 7/8			
Type Fluid in Hole	MONPAC			
Dens	9.6	49.0		
pH	8.5	12.8 ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	.40 @ 87 °F	@	°F	@
Rm @ Meas. Temp.	.30 @ 87 °F	@	°F	@
Rm @ Meas. Temp.	.60 @ 87 °F	@	°F	@
Source Rm	CALCULATED			
Rm @ BHT	.31 @ 122 °F	@	°F	@
Time Since Circ.	2 HRS.			
Max. Rec. Temp	122 °F			
Equip.	143	G.B.		

FORMATION	TOP	DATUM	TOP	DATUM	DEPTH
Anhydrite			2595	4493	
Heekner	4000	912	3999	911	-3
Toronto	4018	930	4018	930	flat
LANCING	4040	952	4038	956	-4
Base Kl	4320	1232	4323	1235	-3
Marmston	4354	1266	4350	1262	-6
Dewnee	4445	1357	4445	1357	flat
Fort Scott	4509	1421	4509	1421	flat
Johnson, Znc	4582	1494	4581	1493	flat
Sand	4630	1442	4628	1540	-1
Miss	4652	1564	4651	1563	+1
TD	4701		4699		



DATE	TIME	DEPTH
6-9-86	Spud	3:00 pm
6-10	7:00 am	369
6-11	7:00 am	2976
6-12	7:00 am	3333
6-13	7:00 am	3100
6-14	7:00 am	412
6-15	7:00 am	433
6-16	7:00 am	4195
6-17	7:00 am	442
6-18	7:00 am	454
6-19	7:00 am	465
6-20	TD	

SEP 12 1991