

SIDE TWO

Operator Name **BEREXCO, INC.** Lease Name **The Wpa** Well # **1-19**
 Sec. **19** Twp. **30S** Rge. **33** East West County **Haskell**

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

See Attachments.

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Name	Top	Bottom
Base Heebner	4046	
Toronto	4057	
Base Kansas City	4752	
Marmaton	4763	
Pawnee	4880	
Fort Scott	4920	
St. Louis	5470	
Total Depth	5800	

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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	1 1/2"	8-5/8"	23	1825'	ball	55	2% CC, 150 sk.
Premium plus	7-7/8"	4-1/2"	10.5	4884'	thickset	225	5% KCL, 2nd Stage to 150'
Production	sk. Class C lite	50 sk. Class C regular					
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)			
Shots Per Foot	Specify Footage of Each Interval Perforated					Depth	
4	4586-89			250 gals 15% HCL		4586-89	
4	4400-02			250 gals 15% HCL		4400-02	
4	4157-62			500 gals 15% HCL		4157-62	
TUBING RECORD		Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		2-3/8	4487	4487			
Date of First Production		Producing Method					
1/5/90		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
2 Bbls		0 MCF	34 Bbls	---	CFPB	37°	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 4157-4402.....
 Used on Lease Dually Completed Commingled

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COPY

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BEREXCO INC.

OIL AND GAS EXPLORATION

970 FOURTH FINANCIAL CENTER
WICHITA, KANSAS 67202 • (316) 265-3311
ACCOUNTING • (316) 265-3511

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DST #1 - Lansing - 4123'-45' - 15(30)30(60)
Blow - very weak throughout
Rec 5' DM w/spots of oil
FP 31-31/31-31
SIP 106/127

DST #2 - Lower Lansing - 4147'-68' - 15(30)30(60)
Blow - very weak
Rec 30' DM w/scum of oil
FP 42-42/53-53
SIP 148/159

DST #3 - Lansing "G" - 4374'-4410' - 15(30)60(120)
Blow - strong off bottom buckey w/GTS 5 min into initial
flow (no gas measured)
Gas flow during final flow period:

<u>TIME</u>	<u>RATE (MCF)</u>
10	15.7
20	8.9
30	6.5
40	6.3
50	5.8
60	5.3

JAN 30 1990
KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

Rec 98' GCM (95% gas, 5% mud); 267 GOCM (20% gas, 10% oil,
70% mud); 120' GOCWM (40% mud, 30% water, 20% gas, 10%
oil) - Total 485'.

FP 85-106/106/148
SIP 1127/1159

DST #4 - Lansing "H" - 4420'-38' - 15(30)30(60)
Blow - fair throughout
Rec 150' drlg mud w/scum oil & 30' watery mud (30% water, 70% mud)
Cl 80,000 ppm (Rw .1 @ 58°F)
FP 31-53/85-127
SIP 1054/1148

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Wichita, Kansas

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DST #5 - Kansas City "A" - 4562'-94' - 15(30)60(120)
Blow - strong throughout w/ GTS 5 min into initial shut-in. (Total 20")

Gas flow during final flow period:

<u>TIME</u>	<u>RATE (MCFPD)</u>
10	27.0
20	30.8
30	32.4
40	30.8
50	30.8
60	29.0

Rec 365' HGCM w/trace oil (less than 1% on grindout) - recovery fluid showed no water w/ CL 3,500 ppm vs pit Cl 1000 ppm

FP 85-95/85-127

SIP 1054/1054

DST #6 - Kansas City "A" (2nd test) - 4594'-4600' - 15(30)60(120)
Blow - strong (no gas-initial); strong throughout (no gas-final)
Rec 787' GIP & 95' GMCO (50% oil, 25% gas, 25% mud) & 80' G&OCW (10% gas, 2% oil, 88% water) & 475' GWTR (5% gas, 95% water)
CL 157,000 ppm, Rw .04 @ 54°F
FP 42-95/148-287

DST #7 - Upper Marmaton - 4733'-71' - 15(30)30(60)
Blow - none
Rec 1' drilling mud w/no show
FP 21-21/21-21
SIP 21/21

DST #8 - Marmaton "B" - 4781'-97' - 15(30)60(12)
Blow - strong (initial & final)
Rec 270' GIP & 45' GOCM (5% gas, 2% oil, 93% mud) & 70' SGCXW, Cl 205,000 ppm, Rw .01 @ 56°F
FP 106-212/276-425
SIP 1117/1159

DST #9 - Atoka - 5145'-70' - 15(30)60(120)
Blow - fair-inc slightly (initial) & fair (final)
Rec 90' GIP & 89 D&GCM (80% mud), no water
FP 31-31/53-53
SIP 711/1380

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