



Operator Name Balcron Oil Company Lease Name Bortz-Yates Well # 1-16

Sec. 16 Twp. 28 Rge. 11  East  West County Pratt

RELEASED

MAR 07 1990

WELL LOG

FROM CONFIDENTIAL

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 3,680'-3,710'  
 Times: 30/60/60/120  
 IFP 91-91  
 ISIP 821  
 FFP 142-142  
 FSIP 811  
 IHH 1893  
 FHH 1872  
 121°

Recovery

40' gas cut mud w/oil specks  
 90' oil & gas cut mud  
 (10% oil/20% gas)  
 60' oil & gas cut mud  
 (30% oil/30% gas)

Name	Top	Bottom
Indian Cave	2578'	(- 750')
Wabunsee	2622'	(- 794')
Tarkio	2766'	(- 938')
Shawnee	2992'	(-1164')
Topeka	3102'	(-1274')
Heebner	3479'	(-1651')
Lansing-Kansas City	3669'	(-1841')
R T D	3750'	(-1922')

CASING RECORD <input checked="" 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	12 1/2"	8-5/8"	20#	273	60/40poz	160	2% gel, 3% CC
Production	7-7/8"	4 1/2"	10.5#	3738'	60/40poz	125	10% salt
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			Amount and Kind of Material Used			Depth
4 JSPE	3,699'-3,704'			1000 gals. mas. 15% HCl. Ne acid.			
				1500 gals. 15% HCl. retarded acid			
				500 gals. 15% HCl. Ne acid			
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
	Size 2 3/8"	Set At 3,706'	Packer at 3,676'				
Date of First Production		Producing Method					
		<input type="checkbox"/> Flowing <input 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	
		0 Bbls	0 MCF	2 Bbls	CFPB		

METHOD OF COMPLETION

Production Interval

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

PI

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DRILLER'S WELL LOG

FROM CONFIDENTIAL

DATE COMMENCED: November 18, 1988  
DATE COMPLETED: November 23, 1988

Balcron Oil Company  
BORTZ - YATES #1-16  
Approx. SW SW  
SEc. 16, T28S, R11W  
Pratt County, Ks.

0 - 200' Surface Soil, Clay, Sand  
200 - 276' Clay, Red Bed  
276 - 2132' Shale  
2132 - 3338' Lime & Shale  
3338 - 3592' Lime  
3592 - 3710' Shale & Lime  
3710 - 3750' Lime  
3750' RTD

ELEVATION: 1828 K.B.

Surface Pipe: Set 8-5/8",  
20# pipe @273' w/160 sacks  
60/40 pozmix 2% gel 3% cc.

RECEIVED  
STATE CORPORATION COMMISSION

Production Pipe: Set new  
4 1/2" @3738' w/125 sacks  
60/40 pozmix 10% salt  
.75 Hall-322.

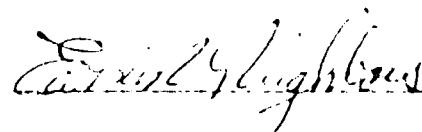
JAN 23 1989

CONSERVATION DIVISION  
Wichita, Kansas

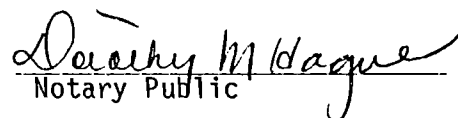
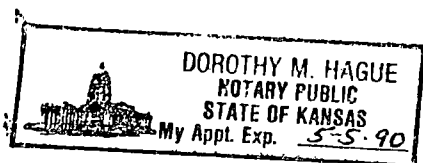
A F F I D A V I T

STATE OF KANSAS  
COUNTY OF BARTON) ss

Ervin Neighbors of lawful age, does swear and state that the facts and statements herein are true and correct to the best of his knowledge.



Subscribed and sworn to before me this 29 day of November 1988.

  
Notary Public

JAN 26 1989  
KANSAS GEOLOGICAL SURVEY  
WICHITA BRANCH