

Rig:	2				
API No. 15-	205-25343 0000				
Operator:	Southwind				
Address:	P.O. Box 34				
	Piqua, KS. 66761				
Well No:	1	Lease Name:	Thornton		
Footage Location:	3396	ft. from the	South	Line	
	555	ft. from the	East	Line	
Drilling Contractor:	McPherson Drilling LLC/KMAC Drilling LLC				
Spud date:	3/23/01	Geologist:	Tom Oast		
Date Completed:	3/26/01	Total Depth:	865'		

S. 16 T. 30 R. 17 e
Loc: SW SW NE
County: Wilson

Thornton #1

Casing Record		
Size Hole:	Surface 11"	Production 6 3/4"
Size Casing:	8 5/8"	
Weight:		
Setting Depth:	20'	
Type Cement:	Portland	
Sacks:	5	

Well Log

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
clay	0	16	lime	659	665			
shale	16	72	shale	665	667			
lime	72	140	lime	667	669			
shale	140	191	shale	669	696			
lime	191	222	coal	696	698			
shale	222	224	shale	698	718			
lime	224	302	lime	718	720			
shale	302	352	shale	720	760			
lime	352	364	coal	760	761			
shale	364	385	shale	761	775			
lime	385	403	coal	775	775			
sandy shale	403	433	shale	775	800			
coal	433	435	sand/shale	800	805			
shale	435	478	shale	805	841			
sand	478	504	coal	841	842			
sandy shale	504	532	shale	842	853			
lime	532	559	sand oil odor	853	858			
shale	559	609	shale	858	865 TD			
lime	609	934						
black shale	934	643						
lime	643	653						
black shale	653	657						
coal	657	658						
shale	658	659						

Gas Test:		
300'	no gas	
383'	no gas	MCF
400'	no gas	MCF
463'	no gas	MCF
505'	no gas	MCF
625	7 os on 1/8"	1.39 MCF
645	17.5 oz on 1"	2.18 MCF
662	14 oz on 1/2"	23.7 MCF
685	10 oz on 1/2"	19.9 MCF
825	16.5 on 1/2"	25.4 MCF
845	16.5 on 1/2"	MCF
865	16.5 on 1/2"	MCF

DRILLERS LOG

16 T 30 R 17 W
 Loc. SW SW NE

API No. 15 - 205,25343 - 0000
 County Number Rig #2

Operator Southwind

Address

Well No. 1 Lease Name Thornton

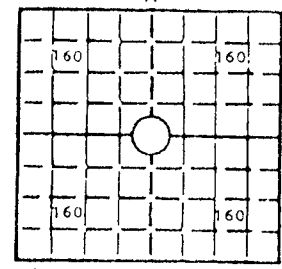
Footage Location 3396 feet from (N) (S) line 555 feet from (E) (W) line

Principal Contractor K Mac Geologist Tom OAST

Spud Date 3-23-01 Total Depth 865 P.B.T.D.

Date Completed 3-26-01 Oil Purchaser

County Wilson
 640 Acres



Locate well correctly
 Elev.: Gr.
 DF KB

CASING RECORD

Report of all strings set—surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
SURFACE	11	8 5/8		20	Portland	5	water
PRODUCTION	6 3/4						

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
Clay	0	16	lime	660	665	300 NO	995	
Shale	16	72	Shale	665	667	383 NO	995	
lime	72	140	lime	667	669	400 NO	995	
Shale	140	191	Shale	669	696	463 NO	995	
lime	191	222	coal	696	698	505 NO	995	
Shale	222	224	Shale	698	718	625 702 on 5	1.35	
lime	224	302	lime	718	720	645 17.5 02 on 5	2.18	
Shale	302	352	Shale	720	760	662 14 02 on 5	2.37	
lime	352	364	coal	760	761	685 10 02 on 5	19.9	
Shale	364	385	Shale	761	775	825 16.5 02 on 5	25.4	
lime	385	403	coal	775	776	845 16.5 02 on 5		
S shale	403	443	Shale	776	800	865 G.C.S		
coal	433	435	Sand/shale	800	805			
Shale	435	478	Shale	805	841			
Sand	478	504	coal	841	842			
S shale	504	532	Shale	842	853			
lime	532	559	Sand o. loder	853	858			
Shale	559	609	Shale	858	865			
lime	609	634		865	70			
Blk shale	634	643						
lime	643	653						
Blk shale	653	657						
coal	657	658						
Shale	658	659						