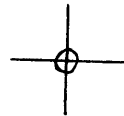


LATITUDE 39° 20' 00"



LONGITUDE 80° 52' 30"

7'5 OGIS topo location

7.5' loc	<u>0.31 S</u>	15' loc	<u>0.31 S</u>
	<u>0.59 W</u>	(calc.)	<u>2.82 W</u>

Company _____

Farm _____

Quad West Union SC
PENNSBORO 7 1/2'

County TYLER

District CENTERVILLE

WELL LOCATION MAP

File No. 095-1509

WELL NO. **4165** LESSOR **HANES, S.C.** LEASE NO. **5504** ACRES **6.4** MAP **W.U.S.W. 24** ELEVATION **1175** DIST. **WILKESBORO**

DATE	DESCRIPTION	TOP	BOTTOM	GAS AT	OIL AT	WATER AT	FORMATIONS	TOP	BOTTOM	GAS AT	OIL AT	WATER AT	CLASSIFICATION
	WAYNEBURG COAL						WAYNEBURG COAL						
	MAPLETOWN "						MAPLETOWN "						
	REDSTONE "						REDSTONE "						
	PITTSBURGH "						PITTSBURGH "						
	MURPHY SAND						MURPHY SAND						
	JAMES LIMESTONE						JAMES LIMESTONE						
	BAKERSTOWN COAL						BAKERSTOWN COAL						
	L. DUNKARD SAND						L. DUNKARD SAND						
	B. DUNKARD SAND	1175	1740				B. DUNKARD SAND	1175	1740				
	UPPER FREEPORT COAL						UPPER FREEPORT COAL						
	L. "						L. "						
	U. KITT. "						U. KITT. "						
	M. " "						M. " "						
	L. " "						L. " "						
	VAMPORT LIME						VAMPORT LIME						
	CLARION COAL						CLARION COAL						
	BROOKVILLE COAL						BROOKVILLE COAL						
	1ST GAS SAND	1760	1745				1ST GAS SAND	1760	1745				
	MERCER COAL						MERCER COAL						
	1ST SALT SAND	1360	1450				1ST SALT SAND	1360	1450				
	2ND " "	1500	1510				2ND " "	1500	1510				
	3RD " "	1580	1635				3RD " "	1580	1635				
	MANTON "	1820	1913				MANTON "	1820	1913				
	LITTLE LIME	1955	1915				LITTLE LIME	1955	1915				
	PENCIL CAVE	1915	1980				PENCIL CAVE	1915	1980				
	BIG LIME (KEENER)	1980	2058 (2119)				BIG LIME (KEENER)	1980	2058 (2119)				
	BIG INJUN SAND	2058	2100				BIG INJUN SAND	2058	2100				
	SQUAW "	2058	2135				SQUAW "	2058	2135				
	2ND GAS						2ND GAS						
	MURKYSVILLE SAND (BEREA)						MURKYSVILLE SAND (BEREA)						
	60 TO						60 TO						
	TOTAL DEPTH	321-45	2272				TOTAL DEPTH	321-45	2272				
	TOTAL DEPTH		3390				TOTAL DEPTH		3390				

OPEN FLOW VOLUME & PRESSURE DATA												
DATE	TIME	LIQUID	GAS	PRESSURE	TEMP.	MINUTES						TOTAL DEPTH
						1	2	3	4	5	6	
7-9-13	3:00	6.58		120	300	460						
7-11-13	3:00	5.15		280	345	375						
7-9-18	2:45	2.4		45	60	95						
7-21-25	6:10	11		5	10	15	19	24	27	31	36	

PACKER DATA			
DATE SET	KIND	SIZE	DATE PULLED
4-78	AP	6 1/2 X 2	2048
7-25	A	6 1/2 X 2	2064
1-55	AWA	6 1/2 X 2	2060

CASING CEMENTED	
FROM	TO

OIL DATA	
DATE	TIME

TYL - 509