

10.00

9
8
7
6
5
4
3
2
1

1.0

9
8
7
6
5
4
3
2
1

Permeability (md)

0.1

9
8
7
6
5
4
3
2
1

0.1 md = 11.4%

POROSITY VS. PERMEABILITY
Appalachian Exp. & Dev.
Hill & Long A-5 Well
Permit #909-Clay County, WV
Injun Sandstone
4701500909
(WV Tight Formation Committee)

0.01

1 2 3 4 5 6 7 8 9 10 11 12

Porosity %

DIETZGEN CORPORATION
MADE IN U.S.A.

NEW MODEL LEAD DIETZGEN GRAPH PAPER
FORM LOGCAPITIME
1.25 PER 100 DIVISIONS PER INCH

APPROVED BY: APPALACHIAN EXPLORATION & DEV., INC. DATE ON 12/17/70 FILE NO. HP-1-6049
 DATE OFF 12/17/70 ENGRS. CEK & DWB
 FORMATION AS NOTED ELEV. 1533' KB
 STATE W. VA. DRPG. FLD. AIR CORES SCHLUMBERGER TRI-CORE
 REMARKS

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Side Wall Core Analysis Data

CORRECTION FACTOR	PERM. MD	POR. %	% POR. SAT.		PROB. PROD.	% OIL VOL.	% GAS VOL.	°API	DESCRIPTION
			OIL	TOTAL WATER					
MONDAY FORMATION									
	2370	0.3	11.3	8.0	1.8	(*)	0.9	10.2	SD VFG V SLTY LMY N/S 38° API
	2371	0.1	10.8	3.3	1.9	(*)	0.9	9.7	SD VFG V SLTY LMY FT ODOR N FLU
	2372	0.1	9.0	6.7	1.1	(*)	0.6	8.3	SD VFG V SLTY LMY F ODOR YELL ON FACE FLU
BIG LIME FORMATION									
	2558	<0.1	3.1	6.4	27.9		0.2	2.0	LIME DENSE MICRO XLN N ODOR PALE YELL FLU
	2559	<0.1	7.8	2.5	19.2		0.2	6.1	LIME DENSE MICRO XLN N ODOR PALE YELL FLU
	2560	<0.1	7.3	2.7	16.5		0.2	5.9	LIME DENSE MICRO XLN N ODOR PALE YELL FLU
KEENER FORMATION									
	2613	<0.1	16.3	19.0	10.4		3.1	11.5	SD VFG SLTY MICA FT-F ODOR N FLU, 38° API
	2614	<0.1	14.0	14.3	14.3		2.0	10.0	SD VFG SLTY MICA FT-F ODOR N FLU
	2615	<0.1	13.8	9.4	19.5		1.3	9.8	SD VFG SLTY MICA FT-F ODOR N FLU
INJUN FORMATION									
	2643	<0.1	11.4	20.1	22.7		2.3	6.5	SD VFG SLTY MICA F-G ODOR FT BLUE STKS FLU, 42° API
	2644	<0.1	8.8	10.2	31.8		0.9	5.1	SD VFG SLTY MICA F-G ODOR FT BLUE STKS FLU
	2645	<0.1	9.4	20.2	24.5		1.9	5.2	SD VFG SLTY MICA F-G ODOR FT BLUE STKS FLU
(*) LOW PERMEABILITY									
DISTRIBUTION:									
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