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N-15-17s-33e, 900/S & 1800/W
API # 30-025-39246

Weatherford LABORATORIES

OMNI Laboratories, Inc.

CORE ANALYSIS PROCEDURES

FOR

CML EXPLORATION, LLC

PADDY '15' STATE # 1

LEA COUNTY, NEW MEXICO

The Rotary Sidewalls were picked up by Weatherford Laboratories.

Gases from the Sidewalls were measured by Hot Wire Chromatography and reported in Gas Units.

A brief Lithological Description of the Sidewalls was recorded.

A description of the Fluorescence of the Sidewalls was recorded.

Ultraviolet Light Photographs were taken of the Sidewalls for a permanent record.

Natural Light Photographs were taken of the Sidewalls for a permanent record.

Composite Photographs of the Sidewall End Trims were taken under Natural and Ultraviolet Light.

The Sidewalls were extracted utilizing the Dean Stark method.

The fluids were measured by the Dean Stark method.

Porosities were measured in a Boyle's Law Porosimeter utilizing Helium.

Permeabilities were measured in a Hassler Sleeve Permeameter utilizing Nitrogen at 300 psi confining pressure.

Test samples of a known permeability were measured before and after the Sidewall permeabilities were measured.

CML EXPLORATION, LLC
PADDY '15' STATE # 1
LEA COUNTY, NEW MEXICO
U.S.A.
File:MD-42236

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ROTARY SIDEWALL CORE ANALYSIS

OMNI Laboratories, Inc.

CML EXPLORATION, LLC
PADDY 15 STATE # 1
LEA COUNTY, NEW MEXICO

A.P.I. NUMBER : 30-025-39246
FIELD : LEAMEX; Paddock
LOCATION: 900' FSL, 1800' FWL,
Section 15, T-17-S, R-33-E

FILE NO. : MD-42236
DATE : January 5, 2009
ANALYSTS : WH, SB, JR

DEAN STARK EXTRACTION

SAMPLE	DEPTH	GRAIN	POR	PERM	SATURATIONS		GAS	FLUORESCENCE		
NO.	ft	DENSITY	%	mD	Sw	So	UNITS	%		LITHOLOGY
1	6124.0	2.84	7.5	0.105	82.3	0.0	0	0	Dl mf	Dol crm-tn sslty tr ppp-sml vug
2	6125.0	2.84	3.1	0.012	68.6	Tr	0	Tr	Brt yl frac	Dol crm-tn sslty tr ppp-sml vug frac
3	6131.0	2.84	9.1	0.034	51.8	10.8	141	50	Brt yl-gld	Dol tn-brn sslty sc ppp-sml vug
4	6133.0	2.85	6.0	0.050	38.2	9.6	154	20	Brt yl-gld	Dol tn-brn sslty sc ppp-sml vug sc sml A/I
5	6135.0	2.83	9.0	0.150	66.6	6.2	52	20	Brt yl-gld	Dol tn-brn sslty sc ppp-sml vug sc sml A/I frac
6	6141.0	2.84	8.5	0.039	81.1	0.0	0	0	Dl mf	Dol tn-brn sslty sc ppp-sml vug sc sml A/I
7	6145.0	2.83	6.5	0.022	82.6	0.0	0	0	Dl mf	Dol tn-brn sslty sc ppp-sml vug sc sml A/I
8	6150.0	2.82	7.2	0.559	81.7	0.0	0	0	Dl mf	Dol tn-brn sslty sc ppp-sml vug
9	6167.0	2.84	7.8	0.018	74.3	0.0	0	0	Dl mf	Dol tn-brn sslty sc ppp-sml vug sc A/I
10	6682.0	2.85	3.9	0.022	9.9	11.5	461	70	Brt yl-grn	Dol brn-gy sslty tr ppp sc sml A/I
11	6704.0	2.82	2.0	<.001	47.7	0.0	5	0	Dl mf	Dol gy-brn dns sslty sc sml A/I sc pyr
12	6759.0	2.85	3.4	0.131	12.7	5.9	319	40	Brt yl-grn	Dol brn-gy sslty tr vug sc sml A/I
13	6791.0	2.80	2.4	tbfa	62.0	Tr	173	Tr	Brt yl-gld-grn	Dol brn-gy sslty sc A/I frac sty
14	6798.0	2.84	5.8	0.057	10.5	15.6	376	70	Brt yl-grn	Dol brn-gy sslty sc A/I
15	6808.0	2.84	1.0	0.008	46.2	0.0	61	0	Dl mf	Dol brn-gy dns sslty sc sml A/I
16	6833.0	2.86	2.2	0.007	11.2	8.7	195	30	Brt yl-grn	Dol brn-gy sslty tr ppp-sml vug sc sml A/I sc pyr sty
17	6860.0	2.85	2.0	0.013	33.4	0.0	0	0	Dl mf	Dol brn-gy sslty tr ppp-sml vug sc sml A/I
18	6870.0	2.82	7.8	1.658	23.2	25.6	390	80	Brt yl-dl yl-bl	Dol brn-gy sslty sc ppp-sml vug sc sml A/I
19	6890.0	2.87	2.8	0.082	17.7	6.9	128	30	Brt yl-dl yl-bl	Dol brn-gy sslty tr ppp sc sml A/I

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DEAN STARK EXTRACTION

SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POR %	PERM mD	SATURATIONS Sw	SATURATIONS So	GAS UNITS	FLUORESCENCE %		LITHOLOGY
20	6892.0	2.82	7.7	21.242	10.5	12.1	177	90	Brt yl-dl yl-bl	Dol brn-gy sslty sc ppp-sml vug sc sml A/I frac
21	6917.0	2.83	2.0	0.009	71.7	Tr	69	Tr	Brt yl frac	Dol brn-gy dns sslty frac
22	6950.0	2.85	0.9	0.007	45.8	0.0	0	0		Dol brn-gy dns sslty tr ppp-sml vug sc sml A/I
23	6972.0	2.83	0.9	0.006	48.6	Tr	0	Tr	Brt yl-grn frac	Dol brn-gy dns sslty tr ppp-sml vug sc sml A/I
24	6977.0	2.82	3.3	0.012	35.0	Tr	8	Tr	Brt yl-grn	Dol brn-gy sslty tr ppp-sml vug sc sml A/I

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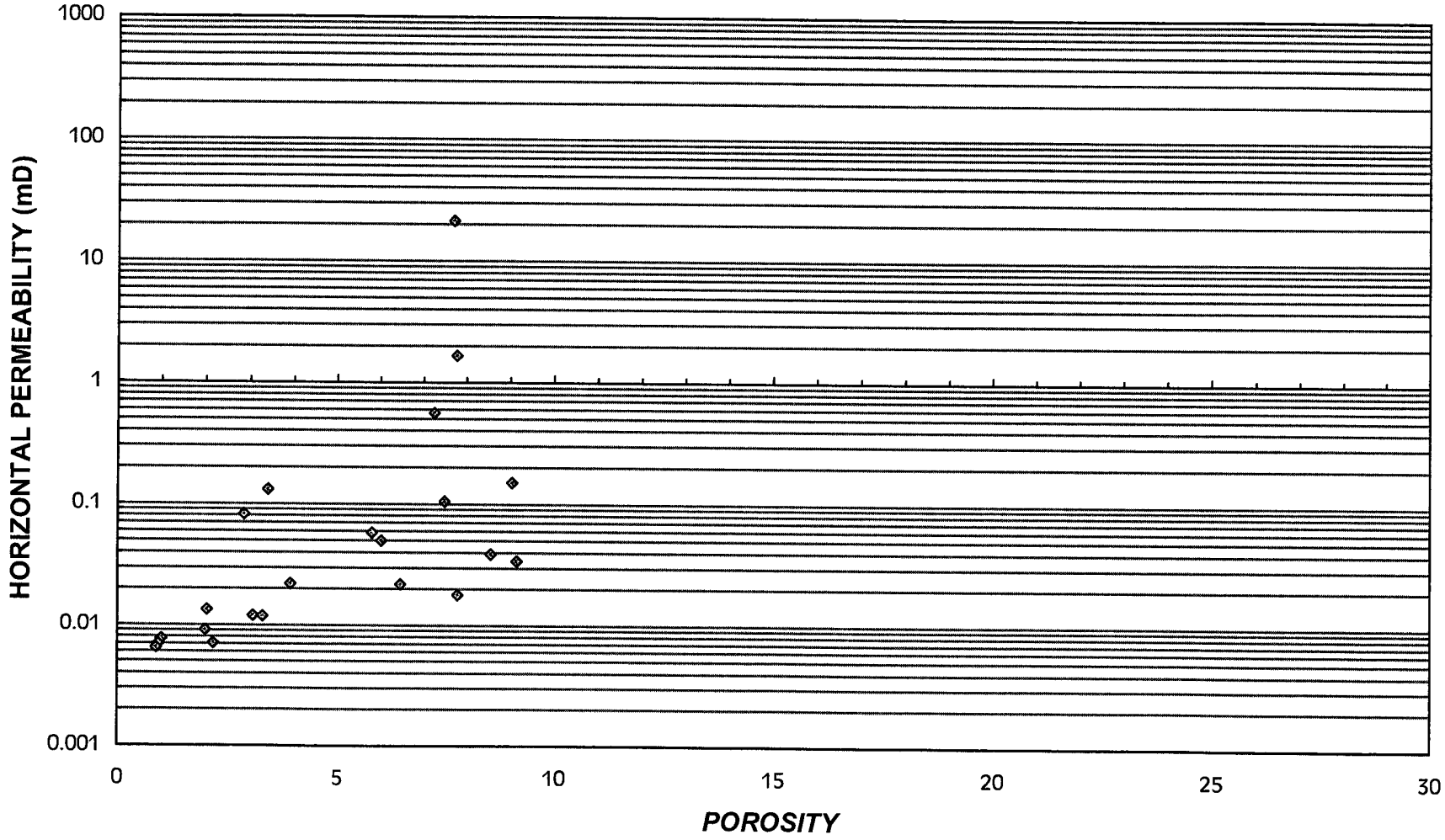
PADDY 15 STATE # 1

OMNI Laboratories, Inc.



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OMNI Laboratories, Inc.

CML EXPLORATION, LLC
PADDY 15 STATE # 1
01/14/2009

QUALITY CONTROL RERUN DATA

Sample	GRAIN DENSITY		POROSITY		*kstandard*	PERMEABILITY	
No.	original	reruns	original	reruns	Test Sample	original	reruns
1	2.840	2.841	7.48	7.49	**2.611**	0.105	0.106
4	2.846	2.846	6.01	5.99			
8	2.818	2.817	7.23	7.20		0.559	0.551
12	2.848	2.847	3.40	3.36			
14	2.835	2.835	5.79	5.78		0.057	0.055
17	2.854	2.853	2.03	1.99			
20	2.819	2.818	7.70	7.64		21.242	21.290
22	2.849	2.850	0.93	0.98			
24	2.825	2.823	3.28	3.23	**2.619**	0.012	0.011

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LITHOLOGICAL ABBREVIATIONS

OMNI Laboratories, Inc

Anhydrite (-ic)	anhy, anhyd
Anhydrite inclusion	A/I
Bentonite (-ic)	bent
Black (-ish)	blk, blksh
Bleeding Oil	B/O
Brecciated	brec
Bright	brt
Brittle	brit
Broken	brkn
Brown	brn
Buff	bf
Calcite (-ic)	calc, calctc
Calcareous	calc
Carbonaceous	carb
Cement	cmt
Chalk (-y)	chk, chky
Chert	cht
Clay	cl
Coal	c
Coarse	crs
Conglemerate	cgl
Consolidated	consol
Contaminated	contam
Crinoid (-al)	crin, crinal
Cross-bedded	x-bd
Crystal (-line)	Xl, xln
Dark	dk
Dense	dns
Diameter	dia
Dolomite (ic)	dol, dolm
Dull	dl
Faint	fnt
Fair	fr
Filled	fd
Fine (-ly)	f, fnly
Fluorescence	flu
Fossil (-iferous)	foss
Fracture	frac
Fragments	frag
Friable	fri
Fusulinid	fus
Gilsonite	gil
Gold	gld
Good	gd
Grain (-s)	gr
Granular	gran
Gray	gy
Gypsum	gyp
Hair line(frac)	hl
Halite	hal
Inclusion	incl
Laminations (ated)	lam
Large	lrg
Light	lt
Limestone	ls
Limey	lmy
Lithology	lith
Medium	m
Mineral Fluorescence	mf
Moderate	mod
Mudcake	m/c
No Show	N/S
Oolite (-itic)	ool
Pale	pl
Permeability	Perm, K
Pin-Point Porosity	ppp
Poor	pr
Pyrite	pyr
Quartz (-itic)	qtz
Red	rd
Round	rnd
Residual Oil	So
Residual Water	Sw
Sample	Spl
Sandstone	Ss
Sandy	sdy
Scattered	sc
Shaley	shy
Shale	sh
Shale parting	s/p
Silt (-y)	slt, slty
Slight (-ly)	sli, s
Small	sml
Spotted (-y)	sp
Stringer	strgr
Stylolite (-itic)	sty, styl
Sucrosic	suc
Sulphur	su
Tan	tn
Too broken (for Analysis)	tbfa
Thin	thn
Trace	Tr
Very	v
Vertical	vert, vt
Vug (-gy)	vug