OPERATOR	CML EXPLORATION, LLC	054-0092
WELL/LEASE	PADDY 19 STATE 3	F- 19-17s-32e
COUNTY	LEA	2140/N & 1650/W

STATE OF NEW MEXICO
DEVIATION REPORT 30-025-38591

235	1.00
877	1.25
1,225	1.25
1,860	1.00
2,334	1.00
2,840	1.25
3,349	0.50
3,825	2.00
4,310	2.00
4,782	1.00
5,263	0.25
5,739	1.50
6,156	0.00

BY: Steve Moore

STATE OF TEXAS

COUNTY OF MIDLAND

The foregoing instrument was acknowledged before me on January 8, 2008, by Steve Moore on behalf of Patterson-UTI Drilling Company LLC.

Joni D. Hodges

Notary Public for Midland County, Texas
My Commission Expires: 4/11/11

JONI D. HODGES
Notary Public
STATE OF TEXAS
My Commission
Expires 04/11/2011

CML EXPLORATION, LLC
PADDY '19' STATE # 3
LEA COUNTY, NEW MEXICO
U.S.A.
File: MD-01106

30-025-38591

CORE ANALYSIS PROCEDURES

FOR

CML EXPLORATION, LLC

PADDY '19' STATE # 3

LEA COUNTY, NEW MEXICO

The Rotary Sidewalls were delivered to OMNI Laboratories, Inc.

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

OMNI Laboratories, Inc.

ROTARY SIDEWALL CORE ANALYSIS

OMNI Laboratories, Inc.

CML EXPLORATION, LLC
PADDY 19 STATE # 3
LEA COUNTY, NEW MEXICO

A.P.I. NUMBER : 30-025-38591
FIELD : Maljamar: Paddock, East
LOCATION: 2140' FNL, 1650' FWL,
Section 19, T-17-S, R-33-E

FILE NO. : MD-01106
DATE : December 28, 2007
ANALYSTS : WH, SB, PK, JR

DEAN STARK EXTRACTION

SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POR %	PERM mD	SATURATIONS Sw	So	GAS UNITS	FLUORESCENCE %		LITHOLOGY
1	5,807.0	2.84	1.9	0.047	58.2	0.0	0	0		Dol tn-gy dns sslty tr pyr
2	5,817.0	2.73	7.3	0.167	27.3	16.9	45	40	Brt yl-grn	Ss opaq-tn-gy vf-fgr sbrnd-sbang sslty scalc tr pyr
3	5,819.0	2.87	1.5	tbfa	34.6	0.0	0	0	cont	Dol tn-gy dns sslty tr foss pyr frac
4	5,830.0	2.83	3.5	0.128	44.8	0.0	0	0	cont	Dol tn-gy sslty tr ppp tr foss tr pyr
5	5,833.0	2.71	11.1	1.295	28.3	24.9	67	60	Brt yl-dl yl lam	Ss opaq-tn-gy lam vf-fgr sbrnd-sbang sslty scalc pyr
6	5,835.0	2.68	13.4	1.501	34.5	30.4	60	90	Brt yl-dl yl	Ss opaq-tn-brn vf-fgr sbrnd-sbang sslty scalc tr pyr
7	5,845.0	2.97	0.6	0.109	33.9	0.0	0	0	Mf	Anhy opaq-bl dns
8	5,847.0	2.82	7.9	3.341	21.5	12.5	106	70	Brt yl-dl yl	Dol tn-brn sslty sdy sc ppp
9	5,848.0	2.84	8.1	tbfa	26.6	15.4	127	90	Brt yl-dl yl	Dol tn-brn mod-sslty sdy sc ppp tr anhy frac
10	5,850.0	2.83	8.2	2.892	23.7	17.0	160	80	Brt yl-dl yl	Dol tn-brn mod-sslty sdy sli suc sc ppp
11	5,855.0	2.84	5.1	0.188	25.1	14.6	77	30	Brt yl-dl yl	Dol tn-brn mod-sslty sdy sc ppp tr anhy
12	5,861.0	2.84	9.1	tbfa	23.7	13.7	42	80	Brt yl-dl yl	Dol tn-brn mod-sslty sdy sc ppp frac
13	5,869.0	2.84	5.0	0.074	29.6	6.9	40	30	Brt yl-dl yl	Dol tn-brn mod-sslty sdy tr ppp tr pyr
14	5,875.0	2.86	12.6	23.884	29.9	10.7	110	30	Brt yl-dl yl	Dol tn-brn mod-sslty sdy sli suc sc ppp tr anhy tr foss
15	5,963.0	2.87	3.1	0.253	32.7	9.5	43	40	Brt yl-dl yl	Dol tn-brn sslty anhyd tr ppp
16	5,971.0	2.82	6.0	0.083	50.6	0.0	0	0	cont	Dol tn-brn sslty anhyd tr ppp
17	5,978.0	2.76	11.3	0.229	66.0	0.0	0	0	Mf	Ss opaq-gy vf-fgr sbrnd-sbang sslty scalc dolm
18	5,987.0	2.82	1.8	tbfa	35.3	0.0	7	0	cont	Dol tn-brn sslty anhyd tr ppp
19	6,023.0	2.85	1.8	<.001	42.5	0.0	0	0	cont	Dol tn-brn dns sslty anhyd tr ppp

ROTARY SIDEWALL CORE ANALYSIS

OMNI Laboratories, Inc.

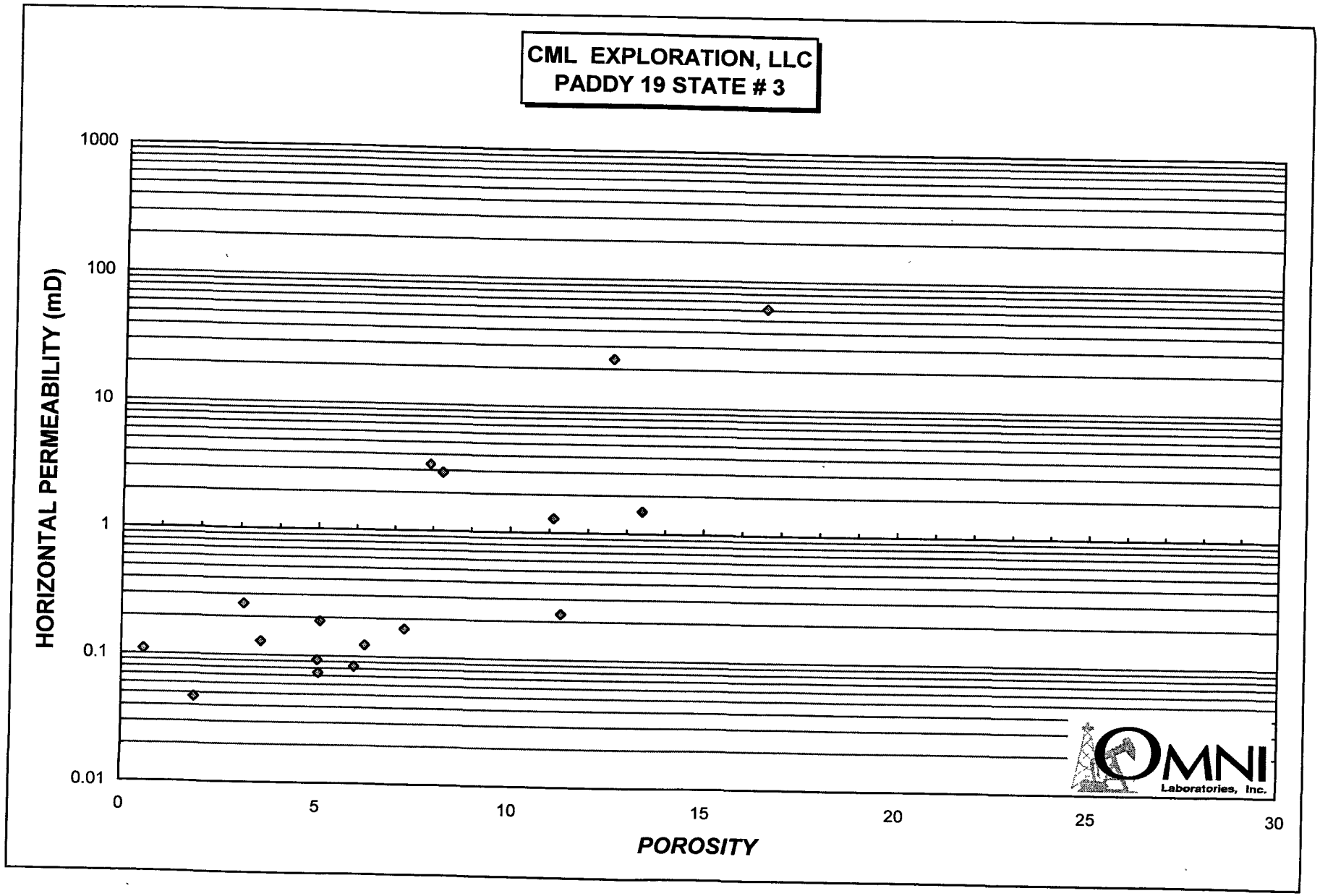
CML EXPLORATION, LLC
PADDY 19 STATE # 3
LEA COUNTY, NEW MEXICO

A.P.I. NUMBER : 30-025-38591
FIELD : Maljamar: Paddock, East
LOCATION: 2140' FNL, 1650' FWL,
Section 19, T-17-S, R-33-E

FILE NO. : MD-01106
DATE : December 28, 2007
ANALYSTS : WH, SB, PK, JR

DEAN STARK EXTRACTION

SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POR %	PERM mD	SATURATIONS Sw	So	GAS UNITS	FLUORESCENCE %		LITHOLOGY
20	6,026.0	2.86	6.2	0.123	51.1	Tr	19	10	Dl yl-brt yl	Dol tn-brn mod-sslty sc ppp anhy fd frac
21	6,027.0	2.86	5.0	0.093	48.5	Tr	5	10	Dl yl-brt yl	Dol tn-brn mod-sslty sc ppp
22	6,033.0	2.82	4.7	tbfa	53.5	0.0	53	0		Dol tn-brn sslty tr ppp tr anhy tr foss
23	6,045.0	2.87	16.6	61.161	29.6	19.0	0	90	Dl yl-gld	Dol tn-brn mod-sslty sdy suc i/p sc ppp tr pyr


CML EXPLORATION, LLC
PADDY 19 STATE # 3
HORIZONTAL PERMEABILITY (mD)
1000
100
10
1
0.1
0.01
0
5
10
15
20
25
30
POROSITY
OMNI
Laboratories, Inc.

OMNI Laboratories, Inc.

CML EXPLORATION, LLC
PADDY 19 STATE # 3
12/28/2007

QUALITY CONTROL RERUN DATA

Sample No.	GRAIN DENSITY original	GRAIN DENSITY reruns	POROSITY original	POROSITY reruns	*kstandard* Test Sample	PERMEABILITY original	PERMEABILITY reruns
2	2.733	2.732	7.27	7.24			
6	2.683	2.682	13.39	13.37	**2.607**	1.501	1.466
10	2.827	2.827	8.24	8.26			
14	2.860	2.858	12.60	12.55		23.884	23.930
17	2.758	2.756	11.31	11.25			
19	2.849	2.849	1.80	1.79		<.001	<.001
21	2.860	2.861	4.99	5.03			
23	2.866	2.864	16.56	16.52	**2.611**	61.161	61.269

LITHOLOGICAL ABBREVIATIONS

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

OMNI Laboratories, Inc.