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ROTARY SIDEWALL CORE ANALYSIS REPORT

FOR

CML EXPLORATION, LLC

PADDY 20 STATE # 1

LEA COUNTY, NEW MEXICO

CML EXPLORATION, LLC
PADDY 20 STATE # 1
LEA COUNTY, NEW MEXICO
U.S.A.
File: MD-58417

AUG 20 2012



Weatherford

LABORATORIES

ROTARY SIDEWALL CORE ANALYSIS

CML EXPLORATION, LLC
PADDY 20 STATE NO. 1
LEA COUNTY, NEW MEXICO

A.P.I. NUMBER : 30-025-40561
FIELD :
LOCATION: 800' FNL, 2070' FEL,
Section 20, T-17-S, R-33-E

FILE NO. : MD-58417
DATE : June 28, 2012
ANALYSTS : WH, SB, JR

DEAN STARK EXTRACTION

SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POR %	PERM mD	SATURATIONS		GAS UNITS	FLUORESCENCE		LITHOLOGY
					Sw	So		%		
1	6003.0	2.84	8.9	4.342	26.4	22.8	168	70	Brt yl-grn	Dol tn-brn ssly ssdy suc i/p sc ppp-sml vug sc A/I
2	6004.0	2.85	11.4	15.928	15.8	20.8	371	90	Brt yl-grn	Dol tn-brn ssly ssdy suc i/p sc ppp-sml vug sc A/I frac sty
3	6007.5	2.85	14.9	54.412	18.6	22.6	114	80	Brt yl-grn	Dol tn-brn ssly ssdy suc i/p sc ppp-sml vug sc sml A/I
4	6008.3	2.85	9.2	0.129	21.2	30.1	321	90	Brt yl-grn	Dol tn-brn ssly ssdy suc i/p sc ppp-sml vug sc sml-lrg A/I
5	6009.0	2.82	1.4	0.106	20.7	8.0	20	20	Brt yl-grn	Dol tn-brn ssly sc A/I
6	6013.0	2.96	0.5	<.001	20.9	Tr	37	10	Brt yl-grn	Anhy wht-opaq dns sc dol incl
7	6014.0	2.83	6.6	0.025	41.2	0.0	2	0		Dol tn-brn ssly sc ppp-sml vug
8	6015.5	2.97	0.1	<.001	60.9	0.0	0	0		Anhy wht-opaq dns
9	6017.0	2.83	4.2	0.040	39.1	Tr	0	Tr	Brt yl	Dol crm-tn ssly tr ppp-sml vug
10	6027.0	2.85	8.9	0.105	38.0	0.0	0	0		Dol crm-tn ssly sc ppp-sml vug
11	6028.0	2.86	13.2	0.931	39.3	6.1	130	60	Brt yl	Dol crm-tn ssly ppp-sml vug
12	6029.0	2.86	12.2	0.762	49.5	0.0	0	0	Mf	Dol crm-tn ssly ppp-sml vug
13	6042.0	2.86	9.5	0.318	42.0	0.0	0	0	Mf	Dol crm-tn ssly ppp-sml vug sc sA/I sty
14	6045.0	2.83	12.3	47.976	36.1	0.0	0	0	Mf	Dol tn-brn ssly ssdy suc i/p sc ppp-sml vug sty
15	6048.0	2.86	5.7	tbfa	24.2	0.0	0	0	Mf	Dol tn-gy ssly sc ppp-sml vug tr A/I
16	6052.0	2.85	7.0	0.086	29.4	0.0	0	0	Mf	Dol tn-gy ssly sc ppp-sml vug tr A/I
17	6054.0	2.85	4.9	0.194	38.8	0.0	0	0	Mf	Dol tn-gy ssly sc ppp-sml vug sc A/I
18	6127.0	2.75	6.9	0.013	59.5	11.7	231	60	DI yl-gld	Dol tn-gy ssly abd A/I sc slty lam
19	6148.0	2.73	13.7	0.243	55.5	0.0	0	0		Ss opaq-gy vf-fgr sbrnd-sbang ssly scalc sc pyr



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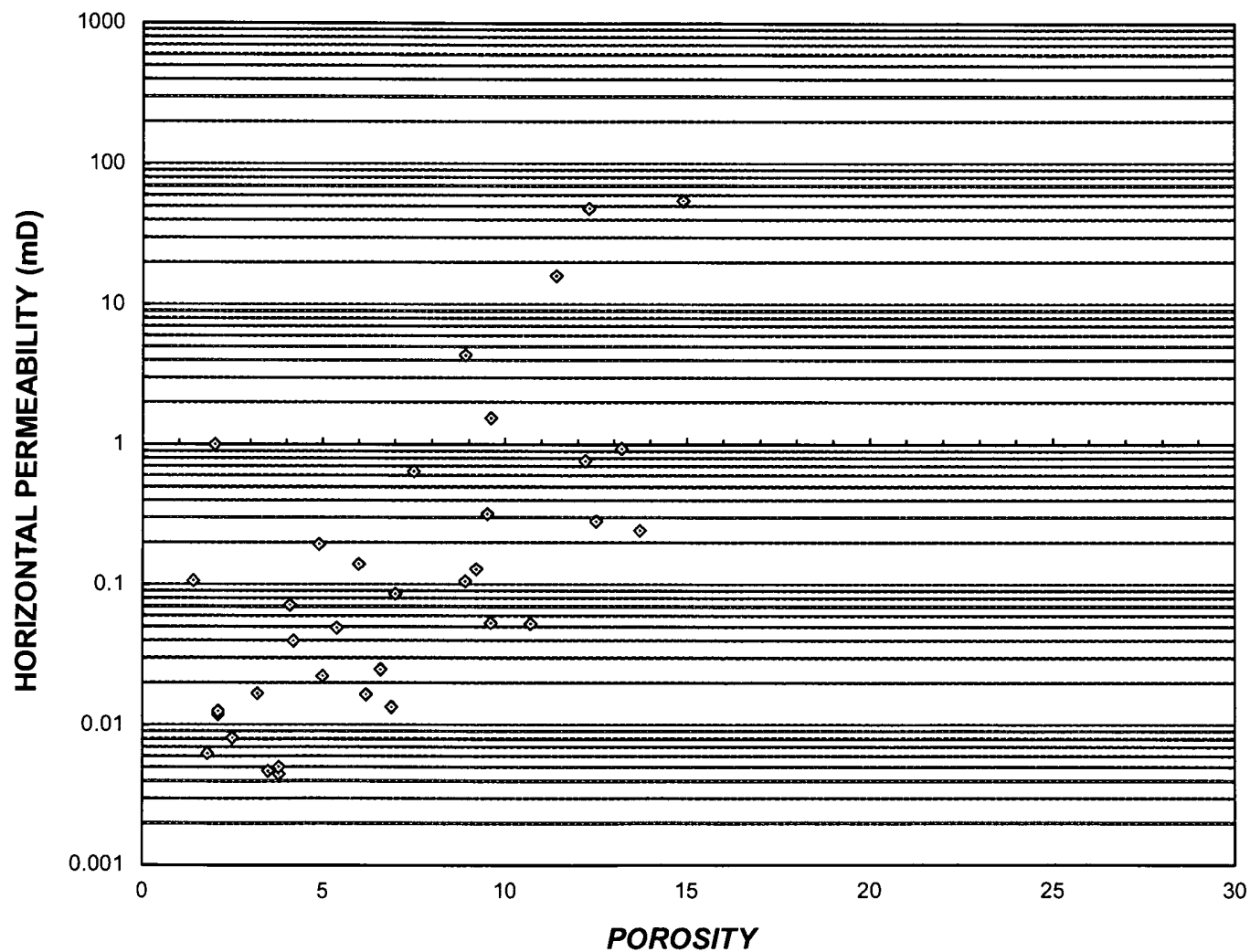
DEAN STARK EXTRACTION

SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POR %	PERM mD	SATURATIONS		GAS UNITS	FLUORESCENCE		LITHOLOGY
					Sw	So		%		
20	6156.0	2.77	10.7	0.052	56.0	0.0	5	0	Cont	Ss opaq-gy vf-fgr sbrnd-sbang sslty scalc sc pyr
21	6161.0	2.85	6.0	0.139	7.2	11.7	379	90	Br t yl-gld	Dol tn-gy sslty sc ppp-sml vug sc A/I
22	6162.0	2.86	4.1	0.071	8.7	12.2	181	70	Br t yl-gld	Dol tn-gy sslty sc ppp-sml vug sc A/I
23	6163.5	2.84	9.6	1.538	16.5	15.7	306	70	Br t yl-gld	Dol tn-gy sslty sc ppp-sml vug sc A/I
24	6182.0	2.87	5.4	0.049	31.2	0.0	0	0		Dol tn-brn-gy sslty sc ppp-sml vug abd A/I
25	6191.5	2.87	9.6	0.053	43.5	0.0	0	0		Dol crm-tn sslty sc ppp-sml vug
26	6192.0	2.87	12.5	0.283	58.1	0.0	0	0		Dol crm-tn sslty sc ppp-sml vug anhy fd frac sty
27	6676.0	2.83	2.1	0.012	48.7	0.0	19	0		Dol brn-gy sslty sc A/I tr pyr
28	6694.0	2.83	2.1	0.013	60.7	0.0	10	0		Dol brn-gy sslty abd slty lam
29	6717.0	2.73	5.0	0.022	66.4	0.0	3	0		Ss opaq-tn-gy vf-fgr sbrnd-sbang sslty scalc tr pyr
30	6719.0	2.75	3.8	0.004	64.1	0.0	6	0		Ss opaq-tn-gy vf-fgr sbrnd-sbang sslty scalc sc slty intrbd
31	6772.0	2.85	3.2	0.017	5.4	12.5	330	80	Br t yl-grn	Dol brn-gy sslty tr sml vug sc A/I
32	6800.5	2.85	2.5	0.008	16.4	Tr	55	Tr	Br t yl-grn	Dol brn-gy sslty tr sml vug sc A/I
33	6833.0	2.83	7.5	0.640	5.3	13.5	363	90	Br t yl-grn	Dol tn-brn-gy sslty sc sml vug tr anhy sty
34	6846.0	2.84	3.8	0.005	35.5	0.0	4	0	Mf	Dol tn-brn-gy sslty tr sml vug tr anhy
35	6899.0	2.86	2.0	0.997	13.1	7.6	22	30	Br t yl	Dol brn-gy sslty sc A/I anhy fd frac
36	7357.3	2.84	6.2	0.016	74.1	0.0	5	0	Mf	Dol brn-gy sslty sc A/I abd slty intrbd
37	7381.0	2.73	3.5	0.005	80.2	0.0	3	0		Dol brn-gy mod slty tr anhy sc slty intrbd
38	7394.2	2.78	1.8	0.006	99.4	0.0	2	0		Dol brn-gy mod slty tr anhy sc slty intrbd



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PADDY 20 STATE # 1





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PADDY 20 STATE NO. 1

7/20/2012

QUALITY CONTROL RERUN DATA

Sample No.	GRAIN DENSITY		POROSITY		<i>kstandard</i>	PERMEABILITY	
	original	reruns	original	reruns	Test Sample	original	reruns
3	2.852	2.853	14.89	14.90	2.616	54.412	54.484
8	2.967	2.967	0.12	0.14		<.001	<.001
13	2.861	2.862	9.54	9.58		0.318	0.321
14	2.833	2.834	12.31	12.35		47.976	47.882
18	2.755	2.754	6.87	6.83		0.013	0.013
25	2.870	2.870	9.64	9.63	2.611	0.053	0.052
30	2.746	2.747	3.78	3.80		0.004	0.005
35	2.860	2.861	2.04	2.08		0.997	0.991