

NO : 040694-2
May 5, 2004
LYSTS: WH, SB, PK

FILE NO. : 040594-2
DATE : May 5, 2004
ANALYSTS : WH, SB, PK

SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POROSITY %	PERM mD	SATURATIONS Sw	So	GAS UNITS	FLUORESCENCE %	LITHOLOGY
1	5,856.0	2.83	3.0	<.01	11.6	13.5	462	80	Brt yl-gld Dol tn-brn ssly sc ppp frac pyr
2	5,858.0	2.81	5.7	0.04	21.1	37.6	142	90	Brt yl-wht-grn Dol tn-brn ssly sc ppp tr pyr
3	5,868.0	2.84	6.9	1.77	15.6	34.7	103	90	Brt yl-wht-grn Dol tn-brn ssly ssdy sli suc sc ppp sty tr pyr
4	5,879.0	2.79	3.8	0.50	30.5	21.8	138	30	Brt yl-gld Dol brn dns i/p suc i/p ssly ssdy tr ppp frac
5	5,889.0	2.81	5.2	0.11	29.5	34.2	35	60	Brt yl-grn Dol tn-brn ssly sc ppp sty frac tr pyr
6	5,895.0	2.82	3.7	0.33	73.8	0.0	7	0	Mf cont Dol tn-brn ssly sc ppp frac
7	5,904.0	2.82	6.3	1.43	68.7	Tr	17	Tr	Brt yl-grn Dol brn-gy mott ssly anhyd tr ppp sty hal
8	5,916.0	2.82	6.2	0.07	76.2	0.0	19	0	Mf cont Dol tn-brn ssly sc ppp hal
9	5,923.0	2.81	3.6	0.02	63.1	0.0	23	0	Mf cont Dol tn-brn ssly sc ppp tr pyr hal
10	5,936.0	2.82	7.1	0.59	77.8	0.0	14	0	Mf Dol tn-brn ssly sc ppp tr pyr hal
11	5,980.0	2.81	6.4	0.04	43.5	18.1	49	20	Brt yl-wht-grn Dol tn-brn ssly ssdy tr ppp tr foss sty tr pyr
12	5,998.0	2.84	9.7	21.40	15.6	23.3	293	90	Brt yl-wht-grn Dol tn-brn-gy mott ssly sdy sc ppp sc anhy incl pyr
13	6,025.0	2.87	11.2	10.71	20.2	19.6	286	80	Brt yl-yl Dol tn-brn-gy mott ssly sdy sc ppp sc anhy incl pyr
14	6,057.0	2.85	13.1	130.16	23.7	22.8	82	90	Brt yl-yl Dol brn ssly ssdy suc i/p sc ppp tr pyr mudcake
15	6,064.0	2.86	8.6	5.15	27.8	24.8	67	80	Gld Dol brn ssly ssdy suc i/p sc ppp tr foss mudcake
16	6,080.0	2.84	10.4	0.05	65.5	Tr	33	Tr	Brt yl-wht-bl Dol brn ssly ssdy suc i/p sc ppp tr foss hal
17	6,080.0	2.84	9.2	0.13	73.4	0.0	37	0	Dol brn ssly ssdy anhyd sc ppp hal
18	6,086.0	2.90	3.8	0.01	37.3	0.0	33	0	Dol brn ssly ssdy anhyd sc ppp hal



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PATTERSON PETROLEUM LP
J.F. COOPER '19' STATE # 1
LEA COUNTY, NEW MEXICO

A.P.I. NUMBER :
FIELD :
LOCATION :

FILE NO. : 040504-2
DATE : May 5, 2004
ANALYSTS : WH, SB, PK

DEAN STARK EXTRACTION

SAMPLE NO.	DEPTH ft	GRAIN DENSITY	POROSITY %	PERM mD	SATURATIONS Sw	So	GAS UNITS	FLUORESCENCE %	LITHOLOGY
19	6,104.0	2.88	5.9	0.02	51.6	0.0	18	0	Dol brn ssly ssdy sc ppp abd anhy incl hal
20	6,106.0	2.84	10.3	0.51	43.9	19.6	22	60	Br t yl-wht-bl Dol tn-brn ssly ssdy suc i/p sc ppp tr anhy incl
21	6,822.0	2.88	1.8	<.01	27.0	0.0	5	0	Mf cont Dol brn dns ssly anhyd tr ppp
22	6,826.0	2.84	5.8	0.04	13.2	5.6	110	20	Br t yl-wht-grn Dol tn-brn ssly ssdy anhyd sc ppp frac
23	6,828.0	2.85	6.6	0.26	10.3	8.0	99	20	Br t yl-wht-grn Dol tn-brn ssly ssdy anhyd sc ppp
24	6,854.0	2.84	5.1	0.07	28.5	6.2	131	30	Br t yl-wht-grn Dol tn-brn ssly ssdy anhyd sc ppp
25	6,867.0	2.83	9.4	0.65	17.2	27.6	223	100	Br t yl-wht-grn Dol tn-brn ssly ssdy anhyd tr ppp
26	11,564.0	2.61	1.9	0.02	59.7	0.0	750	0	Ss dk gy-blk lam vfgr sbrnd sil slty shy calc tr pyr
27	11,566.0	2.66	0.3	<.01	64.5	0.0	16	0	Ss dk gy-blk dns vfgr sbrnd sil slty calc fd frac pyr
28	13,467.0	2.65	8.4	1.45	29.7	Tr	53	Tr	Yl-wht-bl Ss opaq-gy vf-crsgr md-sbang ssly scalc
29	13,538.0	2.65	9.5	tbfa	26.7	Tr	67	Tr	Yl-wht-bl Ss opaq-tn-brn f-mgr sbrnd-sbang ssly scalc frac
30	13,547.0	2.64	5.9	0.06	51.6	0.0	43	0	Ss opaq-tn-brn f-mgr sbrnd-sbang ssly
31	13,556.0	2.65	8.7	0.73	30.0	0.0	29	0	Ss opaq-tn-brn vf-mgr rnd-ang ssly scalc frac
32	13,560.0	2.64	7.0	0.14	47.6	0.0	33	0	tr cont Ss opaq-tn-brn vf-mgr rnd-ang ssly scalc frac



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