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Date

WELL NAME

British-American #5 Fullerton

West Kutz Canyon
C NW NE Sec. 15-27N-11W
San Juan County, New Mexico

THICK-
NES

TO

FROM

LITHOLOGY

Sample description starts above Pictured Cliffs SS.

Gd sample, lt gr, sh & siltst, tr ss, fg, ply sort, cly fill, mott.

Gd sa, 25% ss, fg, ply sort, wh, 25% sh aa, 25% sh, brn, carb, tr coal.

Gd sa, 100% sh, lt gr-grn.

Gd sa, 30% ss, aa, 20% sh, gr, aa, 50% sh, carb, aa.

Same

Gd sa, 10% ss, 90% sh, lt gr-grn.

V.P.S.??

V.P.S., 20% siltst, tan-gr, 40% sh, gr, 40% carb sh & 10% coal.

V.P.S.??

V.P.S. 60% gr sh, 40% carb sh, tr coal.

V.P.S.??

V.P.S.? gr sh & carb sh.

V.P.S.? 40% sh, gr, 50% sh, carb, 10% coal.

V.P.S.? 20% ss & siltst, 50% sh, gr, 30% carb, tr coal.

Same

V.P.S.? Large Cvgs.

V.P.S. 30% ss, wh, mg, ply sort, s&p, cly fill, tr of PC in samples.

Generally poor samples. Due to poor sample quality and zone being the

Lewis Shale interval, no detailed description was made.

100% sh, 40% gr-grn-brn, 60% brn, silty.

100% sh, brn, silty, sdy, mic, 5-10% gr-grn sh aa.

100% sh, gr-brn, mic, v sdy & silty, few grad to tan siltst, sly calc.

Same

30% ss, gr, vfg, well dev & sort, s.r., gd p&p, sly s&p, N.S., 70% sh aa.

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SAMPLE REPORT

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WELL NAME	FROM	TO	THICK- NEEDS	LITHOLOGY
Page #2				
British-American #5 Fullerton	3020	3030		40% same, 60% same.
	3030	3040		50% same, 50% same.
	3040	3050		Same
	3050	3060		25% same, 75% sh w/few gr sh smo.
	3060	3070		15% same, 85% same.
	3070	3080		15% same, 85% same w/consi grn smo.
	3080	3090		Same
	3090	3100		5% ss aa, 95% sh, gr-grn, few consi brn, brit, rest aa.
	3100	3970		Due to poor sample quality samples were run, but no description was made through middle Mesaverde.
	3970	4000		Tr silty ss, tr sltst, 99% sh, tr coal.
	4000	4020		99% sh, consi carb, tr coal.
	4020	4050		99% sh, tr carb.
	4050	4060		99% sh, sly more carb.
	4060	4070		15% ss, wh, fg, cly fill, 85% sh, tan.
	4070	4080		20% same, 80% same.
	4080	4090		15% same, 85% same.
	4090	4100		10% same, 90% same.
	4100	4110		10% same, 90% sh, silty.
	4110	4120		10% same, 90% same.
	4120	4130		15% same, 10% sltst, 75% sh, silty.
	4130	4140		10% same, 85% sh, silty, 5% coal.
	4140	4150		5% same, 95% same, tr coal.
	4150	4160		Tr same, 99% same, tr coal.
	4160	4170		99% sh, less silty, tr coal.

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WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
page #3 British-American #5 Fullerton	4170	4180		Tr ss, wh, fg, cly fill, 99% sh, few carb, tr coal.
	4180	4240		Same
	4240	4250		95% sh, consi carb, 2% coal.
	4250	4260		Same
	4260	4280		99% sh, less carb, tr coal.
	4280	4290		Tr ss, 99% sh, incr carb, tr coal.
	4290	4300		Tr ss, 98% same, 1% same.
	4300	4310		95% sh, v carb, 5% coal.
	4310	4340		?tr ss, 95% sh, few carb, tr coal.
	4340	4380		100% brn sh, tr carb.
	4380	4390		90% same, 10% gr bent.
	4390	4400		50% same, 50% same.
	4400	4440		100% sh, brn.
	4440	4450		100% sh, tr carb.
	4450	4460		98% sh, 2% coal.
	4460	4470		90% sh, 10% coal.
	4470	4500		Tr ss, tr siltst, 98% sh, 2% coal.
	4500	4510		95% sh, tr carb, 5% coal.
	4510	4520		90% same, 10% same.
	4520	4530		85% sh, sdy & silty, tan, 15% coal.
	4530	4540		90% same, 10% same.
	4540	4550		95% same, 5% same.
	4550	4560		Tr ss, wh-gr, consi siltst, 30% sdy sh, tr coal.
	4560	4570		25% ss, wh, fg, s&p, cln, cly fill, 25% sdy sh, 50% coal.
	4570	4580		20% same, 55% sh, tan-brn, 25% coal.

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WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
Page #4 ritish-American #5 Fullerton	4580	4590		10% ss, 80% sh, silty, 15% coal.
	4590	4600		10% ss, 65% same, 25% same.
	4600	4610		Tr ss, 95% same, 5% same.
	4610	4620		Same
	4620	4700		98% sh, tr coal.
	4700	4800		Sh, gr-blk, w/few sltst, gr, vfg, ti.
	4800	5600		Sh, gr-blk, sly mic, tr sltst, gr, vfg, ti.
	5600	5900		Coass tr sltst, 98% sh, gr-blk, sly sdy & mic.
	5904	5946		Core #1
	5946	5960		No samples lost circulation.
	5960	5970		Tr ss, lse, fg, few grs ss, fg, tan, 25% sltst, gr, vfg, sdy, 75% sh, gr-blk, few sdy & silty.
	5970	5980		Gd tr ss, wh-tan, vfg, v ti, 10% sltst, ss, tan, ti, 50% sltst, tan, vfg, shly, 40% sh, aa.
	5980	5990		Same.
	5990	6000		10% ss, gr-tan, vfg, ply dev, v ti, 40% sltst, aa, 50% sh aa.
	6000	6010		ss, sh, fg, well dev, fair p&p, 25% ss, wh-tan, s.r., ply sort, well-ply dev, mott, s&p, pos p&p, sltst & sh aa.
	6010	6020		5% ss, wh-tar, aa, 10% ss, brn, f-mg, mott, shly, ti, 25% sltst, gr, vfg, soft, 60% sh aa.
	6020	6030		? tr of ss aa, tr sltst aa, lost cir mat.
	6030	6050		50% sltst, tan, vfg, hd & ti, 50% sh, gr-blk.
	6050	6100		20% sltst aa, 80% sh aa.
	6100	6200		5-10% sltst, tan-brn, shly, sl calc, 90% sh, gr-blk, few sdy.
	6200	6400		Pred sh, gr-blk, tr gr sltst.

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WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
Page #5 British-American #5 Pullerton	6400	6440		Pred sh,gr-blk,tr sltst.
	6440	6470		Same w/tr bent,consi silty sh.
	6470	6490		Same, ? poss sl chng.
	6490	6510		Poor sample consi lost cir mat.
	6510	6530		Poor sample poss inc in lmy sh.
	6530	6550		Same w/pos tr gr ls.
	6550	6560		50% ls,dk gr,shly,50% sh aa,gran,mold.
	6560	6570		Same
	6570	6580		30% ls aa.
	6580	6585		30% ss,vfg,tan,ply dev,shly,30% ls-ss aa,poss sl flor in sdy ls.
	6585	6590		15% ss,tan,vfg,sl stn & flor,ti,50% ss-ls,ply dev,shly,ti,vfg,poss sl stn & flor.
	6590	6595		50% v shly ss aa,ply dev,sl scatt tr flor,50% sh & sltst.
	6595	6600		25% sh,ss aa,decr sho.
	6600	6605		Tr ss wh,vfg,cln,poss lt flor,tr ss,tan,poss sh flor,10% sh,ss aa,no sho.
	6605	6610		L,gr,ss,wh,cln,a,mg?
	6610	6625		All sh larg,no sd.
	6625	6630		50% ss,wh-tan,fg,cln,well dev,well sort,either wet or gas?
	6630	6635		75% ss,wh,fg,cln,well dev,p&p,gas?
	6635	6640		75% ss,wh,aa,gd p&p,15% sh,10% bent,wh.
	6640	6657		Core #2 Cir 30" 50% ss aa - Cir 60" same,
	6657	6660		15% ss,wh,vfg,shly cly fill,ti,
	6660	6660		Cir 30" rec same
	6660	6660		Cir 60" rec 40% ss aa.
	6657	6705		Core #3

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Page #6	WELL NAME	FROM	TO	THICK- NESS	LITHOLOGY
British-American #5 Fullerton	6705	6710			Sh & gr sltst.
	6710	6720			Sh & cvg.
	6720	6725			Consi lse sd,mg.
	6725	6730			5% ss,wh,vfg,sly s&p,ti,lost cir mat.
	6730	6735			Tr ss,wh,aa,lost cir mat.
	6735	6740			Tr ss aa,poor samples lost cir.
	6740	6745			Same aa.
	6745	6750			Same aa.
	6750	6755			50% ss,wh,fg,cln,sly cly fill,gd p&p,NS.
	6755	6765			10% ss aa,5% ss,wh,vfg,ti,NS.
	6765	6770			5% ss,wh,aa,consi tan sltst,shly.
	6770	6775			50% ss,wh,fg,sly cly fill,f p&p,NS.
	6775	6780			75% ss aa,wet.
	6780	6785			25% ss aa.
	6785	6790			Same,sd becoming sly crs gr.
	6790	6794			90% ss,wh,fg,cly fill,fair p&p,wet.
		6794			Cir 60",50% ss aa.
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GEOLOGIST **H. A. Holton**