

WHITE RIVER SHALE PROJECT

HOLE: A-16

From	To	Rock Description
100	105	...
105	110	...
110	115	...
115	120	...
120	125	...
125	130	...
130	135	...
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385	390	...
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395	400	...
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405	410	...
410	415	...
415	420	...
420	425	...
425	430	...
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435	440	...
440	445	...
445	450	...
450	455	...
455	460	...
460	465	...
465	470	...
470	475	...
475	480	...
480	485	...
485	490	...
490	495	...
495	500	...
500	505	...
505	510	...
510	515	...
515	520	...
520	525	...
525	530	...
530	535	...
535	540	...
540	545	...
545	550	...
550	555	...
555	560	...
560	565	...
565	570	...
570	575	...
575	580	...
580	585	...
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675	680	...
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685	690	...
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695	700	...
700	705	...
705	710	...
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715	720	...
720	725	...
725	730	...
730	735	...
735	740	...
740	745	...
745	750	...
750	755	

6/19

[illegible]

6/20

 $\frac{6}{21}$

DEPTH	±MM	FRX	PP	ASSAY 10 20 30 40	GAL TON	REC. GRQD	LITH.	DESCRIPTION
400								399.98-409.68 OIL SHALE
401								PREMINIMALLY LOW GRADE
402			55					WITH SOME SMALL ZONES
403								OF MEDIUM TO HIGH GRADE
404								HARD, COMPACT, UNLAYERED
405	+40				14.4			LOW PERMEABILITY AND LITTLE
406					30.3			DENSITY
407					5.1			
408					31.1			32' OF CORE LEFT ON BOTTOM
409					11.7			OF 1405 (RE COVERED)
410			51		6.9			409.68-419.68 OIL SHALE VERY
411			76.91		5.9			LOW GRADE (A-GRADE) MANY
412			1351.72		5.8			PARTING PLANES SOME WHAT
413			10.45.90		2.2			POROUS ROCK WITH SOME
414			51.45		4.6			METALLIC MINERALS SEEN
415	+30		60.45.91		7.4			(PYRITE) LIGHT BROWN HARD
416			30.76		4.5			YUGAS ZONE FILLED W/ NAHCHITE
417					4.6			AND CALCITE
418			37.70.93		2.7			CALCAREOUS ROCK
419			13.68		1.9			419.68-426.55 OIL SHALE LOW TO
420					2.4			MEDIUM GRADE WITH SOME
421					4.2			SMALL LAYERS OF MEDIUM
422					13.9			TO HIGH GRADE MATERIAL
423					13.3			LIGHT TO DARK BROWN, HARD
424			76		21.7			CALCAREOUS, COMPACT
425	+20				30.4			ROCK
426					16.8			426.55-429.85 OIL SHALE LOW TO
427					14.9			MEDIUM GRADE COMPACT
428					12.7			BEDDING WITH INTERBEDDED SAND
429					16.0			STONE LAYERS AT 426.55-70
430					25.3			429.85-429.85 - 429.50-70, OIL SHALE
431					25.8			AND BLEEDING GAS
432					25.0			430.42-70, 77-83, 81.13-40
433					25.1			LAYERS, OIL SATURATED, BLEEDING GAS
434					42.9			429.85-429.85 - OIL SHALE MEDIUM
435	+10				42.1			TO HIGH GRADE LIGHT TO DARK
436					26.4			BROWN, BLACK, SEMI HARD
437					19.0			CALCAREOUS, COMPACT ROCK
438					18.7			436-440.7 OIL SHALE LOW GRADE
439					10.7			LIGHT BROWN HARD LAYERED, COMPACT
440					18.2			440.67-449.32 OIL SHALE PREMINIMALLY
441					19.3			ALLY LOW GRADE LIGHT TO MEDIUM
442					10.3			BROWN HARD CALCAREOUS, COMPACT
443					14.7			ENT ROCK LOW PERMEABILITY AND LITTLE
444					10.7			44.79-445.19 MAH KAN MARKER
445	0				10.9			SANDSTONE LAYERED OIL SATURATED
446		A7			10.2			AND BLEEDING GAS. SOME
447					10.5			DENSITY
448					13.2			

HOLE NO: X-16 SHEET 3 OF 4 DATE: 6/24/76 LOGGED BY: W. MONTGOMERY COLLAR: 592 TD: 516

DEPTH	±MM	FRX	PP	ASSAY 10 20 30 40	GAL TON	REC. EQD	LITH.	DESCRIPTION
450					44.9			449.32-450.93 OIL SHALE MEDIUM
451			48		24.7			TO HIGH GRADE BROWN TO DARK
452					21.0			BROWN TO BLACK HIGHER GRADE
453			88		20.6			SHALE IS SOFTLY, MEDIUM
454			21		17.0			GRADE IS HARDER - CALCAREOUS
455	-10				31.3			COMPONENT ROCK NO
456					30.9			PERMEABILITY AND LITTLE POROSITY
457					36.9			LEFT 1' ON BOTTOM OF HOLE
458			93		53.1			REC. WORKED ON NEXT RUN
459			50		70.0			458.93-461.97 OIL SHALE PREDOMINANTLY
460			42		76.2			HIGH GRADE, BROWN TO BLACK, SOFT
461			50		62.9			CALCAREOUS (SLIGHT), SOMEWHAT
462			10		45.7			WEAK ROCK - BEDDING TO 464.35
463					48.0			IS FLAT BELOW THAT POINT IT LIES IN
464					44.6			FROM HORIZONTAL
465	-20				33.3			463.75-464.35 NAUCLITE FILLED UNG
466					18.9			CRYSTALLINE NAUCLITE
467			85.97		20.2			LEFT 1' ON BOTTOM OF HOLE (RECOVERED)
468					36.0			467.97-477.97 OIL SHALE PREDOMINANTLY
469					57.5			HIGH GRADE BROWN TO BLACK, SOFT
470					18.6			CALCAREOUS (SLIGHT), COMPONENT
471					16.4			ROCK NO PERMEABILITY AND
472			107.43		18.7			LITTLE POROSITY
473					46.5			
474					45.3			
475	-30		12.55		46.0			
476					21.1			
477			97		21.2			477.97-483.03 OIL SHALE MEDIUM
478					36.4			TO HIGH GRADE BROWN TO DARK
479					29.9			BROWN TO DARK, SLIGHTLY
480					18.8			CALCAREOUS, COMPONENT
481					15.8			ROCK SOME THIN LAYERS
482			48		19.8			OF SANDSTONE (K. 12') OIL
483					23.4			SATURATED AND BLEEDING
484					37.3			GAS
485	-40		80		17.4			
486					9.6			
487			13		10.9			LEFT 14' ON BOTTOM OF HOLE (RECOVERED)
488			103		10.7			488.03-488.12 OIL SHALE MEDIUM
489					13.5			GRADE BROWN TO DARK BROWN
490					27.4			HARD, CALCAREOUS, COMPONENT
491					35.3			ROCK NO PERMEABILITY AND
492					30.2			LITTLE POROSITY
493					26.3			
494			42.82		23.4			
495	-50				24.1			
496					32.1			
497					22.0			
498			12		21.4			LEFT 15' ON BOTTOM OF HOLE
499					11.1			

COMMENTS:

