

SEC. 22 TWP. T10S RGE. 24E LOCATION SE 1/4, NW 1/4
FARM Southam NO. Southam 1 ELEVATION 5242 Gr.
OWNER Gulf STATE Utah COUNTY Uintah
SAMPLES FROM 80 TO 420 EXAMINED BY Malone DATE 10-30-7

FROM	TO	LITHOLOGIC DESCRIPTION, FORMATION AND REMARKS
80	90	Siltstone, Hgy, micaceous, calcareous
90	100	Siltstone, as above but very finely micaceous
100	110	Siltstone, as above
110	120	Siltstone, gy-Hgy, micaceous, tr. pyrite
120	130	Siltstone, Hgy-gy, micaceous,
130	140	Siltstone, Hbrngy, pyrite, calcareous
140	150	Siltstone, gy wh, - some as above, tr. pyrite & garnite
150	160	Siltstone, gy wh, much pyrite tr. Hgy sandstone
160	170	Siltstone, Hgy, micaceous, tr. pyrite, calcareous
170	180	Siltstone, Hgy, tr. carbon
180	190	Siltstone, sandy, gy-Hgy, sand is sil. Hgy, tr. carbon
190	200	Siltstone, Hbrngy, micaceous, dolomitic
200	210	Siltstone, Hgy, micaceous, slightly dolomitic
210	220	Siltstone, Hgy, as above but speckled with tin, bits of carb
220	230	Siltstone, Hgy, slightly sandy, tr. carbon, calcareous
230	240	Siltstone, shly, Hgy, very finely, micaceous
240	250	Siltstone, buff, mic, calcareous
250	260	Siltstone, Hgy, shly, mic
260	270	Siltstone, as above tr. gilsonite
270	280	Siltstone, buff, finely micaceous, dolomitic
280	290	Siltstone, Hgy, tr. carbon, micaceous
290	300	Siltstone, as above & shale, med. gy.
300	310	Siltstone & sh as above
310	320	Siltstone, pale brn gy, mic, sil
320	330	Siltstone, as above & marlstone, dk brn dolomitic
330	340	marlstone & siltstone as above - tr. carbon
340	350	marlstone, gy brn tr. pyrite, tr. hematite
350	360	Siltstone, Hgy, micaceous & marlstone, 20%, as above
360	370	marlstone, as above brn, dolomitic
370	380	marlstone, mal brn, dolomitic
380	390	marlstone, as above
390	400	marlstone, lt brn - brn, dolomitic
400	410	marlstone, med brn mic, dolomitic
410	420	marlstone, gy brn, much pyrite, dolomitic

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SEC. 22 TWP. 10S RGE. 24E LOCATION
FARM NO. Southern ELEVATION 5242 Gr.
OWNER STATE Utah COUNTY Uintah
SAMPLES FROM 420 TO 710 EXAMINED BY Malone DATE 10-30-72

FROM	TO	LITHOLOGIC DESCRIPTION FORMATION AND REMARKS
420	430	marlstone, med brn, Tr pyrite also trace siliceous metal mineral - arsenopyrite?
430	440	marlstone as above, tr dk brn
440	450	marlstone, tan-brn, dolomitic - 10% chert in sample
450	460	marlstone, brn-tan, much sil. flintstone
460	470	marlstone, Tan-brn,
470	480	no sample
480	490	marlstone, dk brn-brn-tan, dolomitic, tr. carbon
490	500	marlstone, dk brn-brn-brn, dk brn is fairly rich in kerogen
500	510	marlstone as above
510	520	marlstone, lg brn, tr pyrite, tr with secondary mineral
520	530	marlstone, brn blk-gy brn, some rich in kerogen, tr. with secondary mineralization, dolomitic
530	540	marlstone, dk brn, fairly rich amount of kerogen
540	550	marlstone, Tan-brn, dolomitic
550	560	marlstone, blk-brn-Hbrn, 10% blk rich in kerogen
560	570	marlstone, Tan-med-brn, dolomitic
570	580	marlstone, Tan-brn, gy brn, much pyrite
580	590	marlstone, Brn-Htan gy, Tr pyrite, much fine carbon
590	600	marlstone, blk-brn-Hbrn, calcareous
600	610	marlstone, med brn, tr. pyrite, tr. silicite
610	620	marlstone, Hbrn-med brn, much siliceous pyrite
620	630	marlstone, tan-brn, dolomitic
630	640	marlstone, Hbrn-gy brn, dolomite
640	650	marlstone, gy brn-Hbrn, tr. pyrite, tr. with secondary mineral
650	660	marlstone, Hbrn, much pyrite
660	670	marlstone, dk brn, fair amount of kerogen
670	680	marlstone, dk brn-brn, some Tan Tuff
680	690	marlstone, blk brn-dk brn, pyrite
690	700	marlstone as above
700	710	marlstone, dk brn-brn, much pyrite, tr. Tan Tuff
710	720	marlstone, blk brn-dk brn, much pyrite, blk brn has

