

South Hospah AREA

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HOLE TYPE

CORE DATA

CUTTINGS BY: _____ CORE BY: JWM HOLE NO. R25-X (Cont)

ANALYTICAL:

Run
No.

From

To

Feet
CoredFeet
Recov%
Rec.

REMOTE LOGS BY: Dalton

SEC. 1 T16 N, R10

- ☐ Key
☐ Primary
☐ Secondary

CORE:

- ☐ Coal only
☒ " + 20' OB
☐ " + 50' "
☒ Entire Hole
☐ No core

DATE SA SHP'D _____; DATE ANAL.SGN'D _____

LOG TYPE	PILOT HOLE				CORE HOLE			
	Total Hole				Total Hole			
	10'/in.	5'/in.	5'/in.	5'/in.	10'/in.	5'/in.	5'/in.	5'/in.
G. R.		X						
Resist.		X						
S. P.								
Density		X						

LEASE NO. S Fe Pac

START: 8/8 COMPL: 8/9

TD: PH _____ CH 90.1

ELEVATION: ST 7000.6 PH _____ CH _____

LOCATION FROM STAKE:

PH: Dir _____; Dist. _____

CH: Dir _____; Dist. _____

ALPHA
DESIG.

SAMPLE DATA

MATERIAL

DEPTH

To

FT

D	COAL	55.00	63.50	8.5
B	SHALE	63.50	64.80	1.3
C	COAL	64.80	68.85	4.05

RIG NO. 14 DRILLER Chavez

DRILLING MEDIUM

PH

CORE HOLE

Plug

Core

Air ☐Wtr or Mud ☐Combination ☐

SAMPLE			AS RECEIVED			
Lr.	Type	Gr	Moisture	Ash	BTU	S
A						
B						
C						
D						
E						

Core No	Sample	DEPTH		THICK- NESS	LITHOLOGY	REMARKS
		FROM	TO			
1		0	10	10	Ø #1: 10-20; cut 10; rec 6.85	
		10	13.2	3.2	N/R	
		13.2	13.85	0.65	Shale - lt gy & ornge & olive brn, mottled, soft, silty	
		13.85	15.05	1.2	Siltst - gy, dns, siliceous, deuteric alteration, red jasperoid replacement breccia @ 14.6-15.05.	
		15.05	15.65	0.6	Shale - olive brn, soft, fiss, slty	
		15.65	17.5	1.85	Sandst - gy & brn mottled, m-c gr, friab, weath	
		17.5	17.9	0.4	Shale - mottled gy, soft, variably massive & fiss, weath	
		17.9	18.4	0.5	Sandst - a/a	
		18.4	18.6	0.2	Shale - oli-brn, soft, dns, weath	
		18.6	18.8	0.2	Sandst - a/a	
2		18.8	19.9	1.1	Shale - oli brn & ornge mottled, soft, fria, slty, weath	
		19.9	20.0	0.1	Sandst - yel, m-f gr, fria, weath	
		20.0	21.2	1.2	Ø #2: 20-27; cut 7.0; rec 2.2	
3		21.2	22.2	1.0	Shale - oli brn, poorly fiss	Core barrel jammed inside by a rubber bit wiper
		22.2	27.0	4.8	Sandst - lt-gy-brn, f-c gr, poorly sorted, friable, weath	
		27.0	27.0	0.0	N/R	
4		20.0	20.7	0.7	Ø #3: 20.0-27.0; cut 7; recov 6.3	
		20.7	21.05	0.35	N/R	
		21.05	22.5	1.45	Sandst - oli-brn, slty to med gr, friab	Offset 5' NE; rotary dlrc 20'; began coring
		22.5	25.1	2.6	Shale - oli-brn, soft, irratically sandy, 1/2" seam jasperoid @ 21.9	
		25.1	25.6	0.5	Sandst - lt oli-brn, med gr, sli slty, friab	
		25.6	26.0	0.4	Shale - oli-brn, f laminated, mod hd, fiss	
		26.0	26.8	0.8	Sandst - a/a	
		26.8	27.0	0.2	Shale - dk gy-brn, choc-brn, oli-brn, fiss	
		27.0	27.2	0.2	Sandst - a/a	
		27.2	27.7	0.5	Ø #4: 27-37.35; cut 10.35; rec 10.35	
4		27.7	28.1	0.4	Shale - mottled oli brn, weath	
		28.1	28.3	0.2	Sandst - lt brn, f gr, weath	
		28.3	28.1	0.4	Shale - oli-brn, weath	
		28.1	28.3	0.2	Sandst - sh - lt yel-brn, f gr ss w/minor brn	

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HOLE NO. R25-X (Cont'd)

Core No	Sample	DEPTH		THICK- NESS	LITHOLOGY	REMARKS
		FROM	TO			
5		28.3	28.5	0.2	Shale - dk brn, weath	
		28.5	28.8	0.3	Sandst - a/a, carb ptgs	
		28.8	29.1	0.3	Shale - brn & yel & ornge, sl slty, weath	
		29.1	31.15	2.05	Sandst - lt gy-brn, vf-f gr, sparse clay blebs grading to:	
		31.15	32.65	1.5	Shale & siltst - ornge-brn & dk brn, minor lt brn siltst	
		32.65	37.35	4.7	Sandst - lt brn, vf-f gr, v carb @ 33.35--3.45, friab Ø #5: 37.35-47.1 cut 9.85; rec 9.85	
		37.35	41.75	4.4	Sandst - lt brn, f-m gr, sca carb strks, friab	
		41.75	42.2	0.45	Shale - dk gy, silty	
		42.2	42.85	0.65	Siltst - lt gy, v hd	
		42.85	43.7	0.85	Siltst & silty sh - med gy	
6		43.7	46.0	2.3	Sandst - lt gy, f-m gr, w/sca lt brn clay galls and occ carb strks	
		46.0	47.1	1.1	Shale - lt gy, soft, sandy @ 46.7-46.8 Ø #6: 47.1-56.95; cut 9.85; rec 9.85	
		47.1	50.4	3.3	Shale - gy, mod hd, silty to v silty, w/sca seams of siltst, gy	
		50.4	54.4	4.0	Sandst - lt gy-brn, f-m gr, w/sca seams 1/4" to 1" of gy sh, prtly carb	
		54.4	54.7	0.3	Sandst - lt gy, f-vf gr, hd, silic or baked	
7	A	54.7	55.0	0.3	Siltst - gy, carb	
		55.0	56.95	1.95	Coal - blk, dull to mod dull, fairly gd clt, sparse vert fract	
					Ø #7: 56.95-67.1; cut 10.15; rec 10.15	
		56.95	63.50	6.55	Coal - blk, mod dull to mod brt, fairly gd clt, resin below 62'	
	B	63.5	64.8	1.3	Shale - gy to dk-gy-brn, soft to mod hd, carb	
		64.8	67.1	2.3	Coal - blk, dull & mod dull, resin, vert fract near base w/pyr on fract face	
					Ø #8: 67.1-74.7; cut 7.6; rec 7.6	
	C	67.1	67.55	0.45	Coal - blk, mod dull lustr, gd clt,	
		67.55	68.85	1.3	Coal - blk, dull lustr, pr clt, shaly	
		68.85	72.4	3.55	Shale - gy, mod soft, fiss, mo slty	
9		72.4	74.7	2.3	Shale - gy, slty, mod hd, interlamin w/lt gy siltst below 73.7 Ø #9: 74.7-84.7; cut 10; rec 10	
		74.7	76.9	2.2	Shale - gy, slty, mod hd, interlaminated w/lt by siltst	
		76.9	80.2	3.3	Sandst - lt gy, f gr, well sorted, carb, friab	
		80.2	84.7	4.5	Sandst - lt gy, f-m gr, well sorted, friab Ø #9: 84.7-90.1; cut 5.4; rec 5.4	
		84.7	90.1	5.4	Sandst - a/a, w/occ clay blebs & 1/2" coal band at 88.3'	
					TD 90.1'	