

UNITED RESOURCES

Mineral Exploration Consultants Economic Minerals Including Ground Water

ECONOMIC SILVER DEPOSITS: BY REDUCTION BUBBLE?

For A Confidential Client

Ъу

Michael D. Campbell Managing Director United Resources 4735 Heaton Road Columbus, Ohio

February 9, 1971

ECONOMIC SILVER DEPOSITS: BY REDUCTION BUBBLE?

by

Michael D. Campbell Managing Director United Resources

INTRODUCTION

In pursuit of sandstone-type uranium deposits and development of the geochemical cell concept (Rackley, 1968), it became apparent that processes which operate to deposit uranium on solution fronts also deposit other economic minerals in much the same way. Because copper and silver deposits in sandstone have been described in detail in the literature, these elements were included with others in a list of likely ones to be found associated with solution fronts. On the basis of literature review Silver Reef, Utah was considered to be a good place to prove the presence of a solution front containing mostly silver.

FIELD EXAMINATION OF SILVER REEF, UTAH

Upon logging holes from earlier exploration by King Resources and General Exploration and Mining Company, it became apparent that the host rock for silver deposits, the so-called Leeds sandstone (Proctor, 1953), rather than being an unconformable separate unit is in fact a white-bleached former reddish sandstone... apparently the most permeable sandstone unit in this part of the Triassic Chinle formation. Reduction of reddish clays to greenish hues in and around the whitebleached sandstone and other clues clearly signal overall reduction of diagenic origin wherein white-bleached sandstone were developed from reddish ones in the Chinle formation.

Figure 1 shows the location of the logged holes, previous claims, topography, etc. Figure 2 is a generalized cross section of exploratory holes number 7, 8, 9, and 10, and Figure 3 is a larger-scale, more detailed cross section upon which Figure 2 is based. In the Appendix are detailed lithologic logs of the exploratory holes 7, 8, 9, and 10.

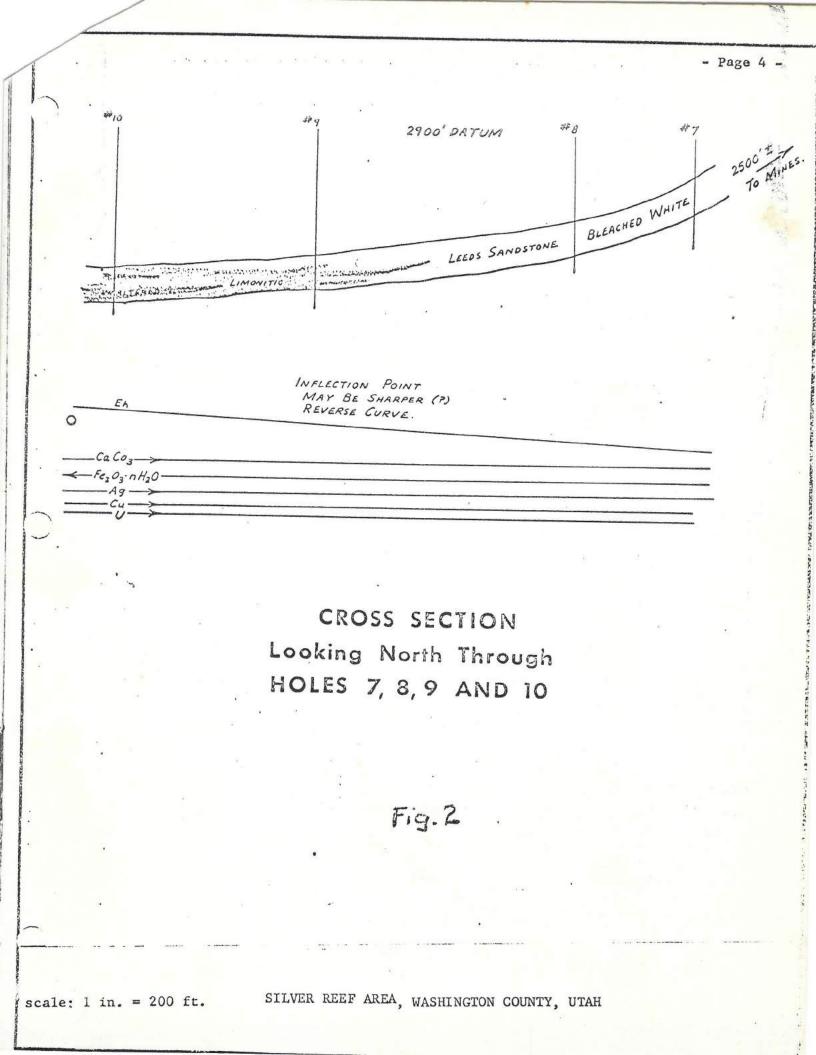
Note that Figures 2 and 3 and supporting data show an overall chemicophysical situation that is opposite to what one would expect in terms of "downdip" exploration for a uranium solution front.

A field examination was made at Silver Reef. The work clearly shows (1) that the so-called Leeds sandstone is epigenitically white-bleached reddish . Chinle sandstone, (2) that there is symmetry of pertinent chemico-physical characteristics about the axis of the major anticline (the Virgin anticline), (3) that there are fuzzy horizontal bands of mineralization grading upward from hydrated iron oxides (limonite) through copper and then silver to uranium-vanadium, and (4) that the topographically and structurally high nose of the anticline is the only place where these (upper) horizontal mineralization bands have been preserved. Note the analogy with water-oil-gas zoning in a petroleum reservoir in Figure 3.

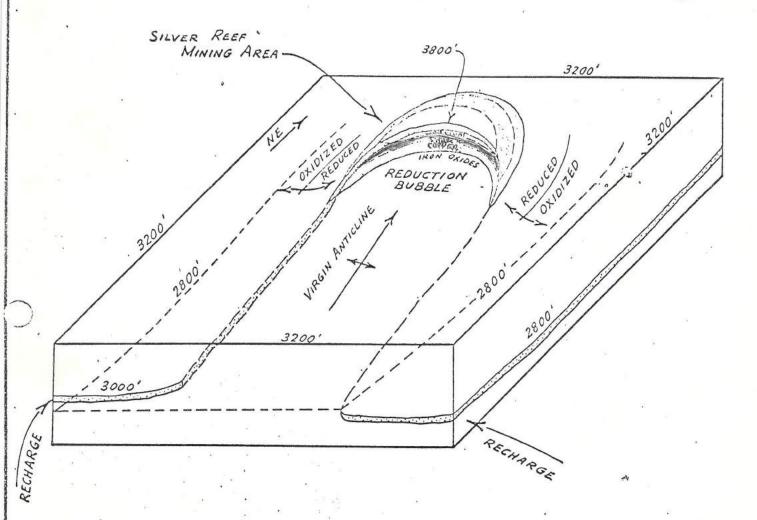
Thus it becomes apparent that the Virgin anticline is a structurally high mineralized reduction bubble in an otherwise lower aquifer (see Figure 3). Whether the hydrodynamics of the ground water flow has been significantly altered thus <u>inhibiting</u> mineralization by changing one or more of the necessary chemico-physical parameters for selective mineralization or whether the aquifer must first be "flushed" or affected in such a way that a chemico-physical change must occur <u>before</u> a reduction bubble can form are primary questions which remain unanswered. The source of the metals and of the reductants are more clearly understood. The aquifer could have been the source of the metallic elements (syngenetic in trace amounts) as well as the source of the reductant via methane evolving from the sparse carbon trash in the aquifer and driven by hydraulic pressures into structural highs together with entrained metallics. Erickson (1954) and others have demonstrated that hydrocarbons can carry small but significant amounts of metallic ions in the state which is capable of being reduced to sulphides by gaseous reductants.

- Page 2 -





NOSE OF FOLD PROSPECTIVE TO 3000' ELEVATION.



.

Fig. 3

INFERRED RELATIONSHIP OF MINERALIZATION SILVER REEF AREA, WASHINGTON COUNTY, UTAH Based on the logging and field work done, the rate of change of Eh and pH are so gradual under these circumstances as to produce only broad fuzzy mineral bands rather than abrupt dumping and high concentrations of metals over short distances, as in uranium solution fronts (see Figure 4). (Compare Figure 2 and 4) Figures 5A and 5B show in cross section some of the differences between a solution front and the proposed concept: a reduction bubble.

A new M.S. Thesis describing silver mineralizations at the Lady Belle Mine near Eagle, Colorado (Costin, 1970) has been released. This Thesis clearly indicates that here, as at Silver Reef, Utah, silver is associated with a whitebleached red bed....the Triassic Entrada sandstone in Costin's case.

RAMIFICATIONS

In identifying the Silver Reef mineralization as being of a reduction bubble type origin, and that the Lady Belle Mine is probably similar, it becomes clear that this hypothesis might have broad applicability and tremendous economic potential.

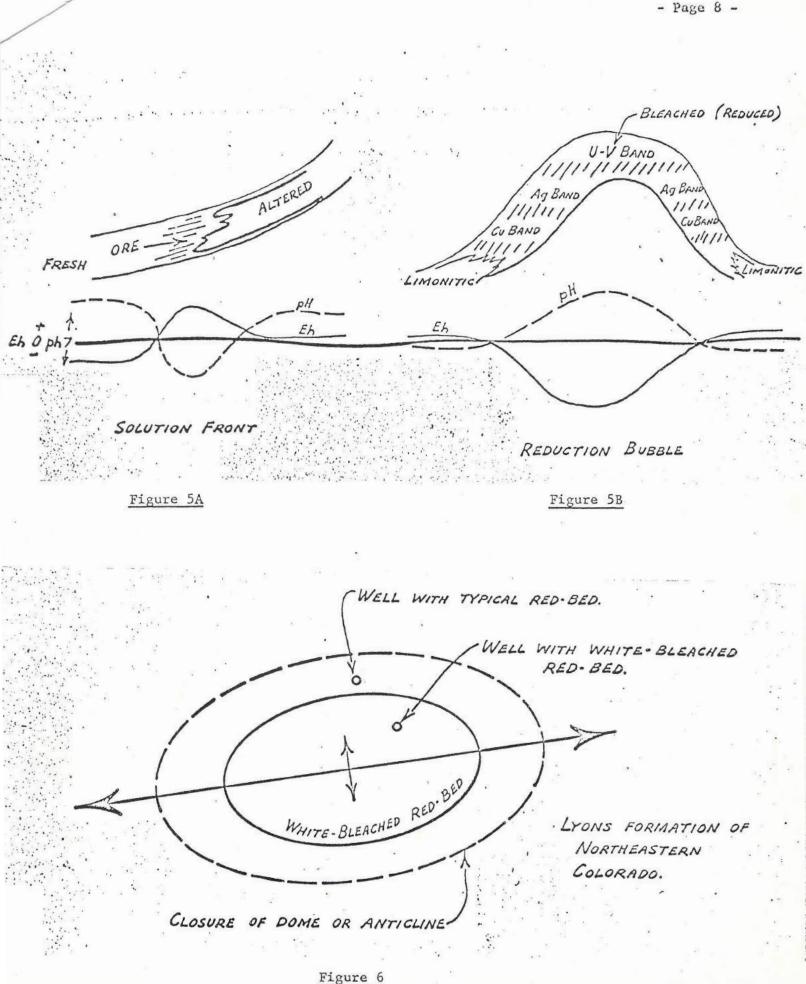
Other areas have been considered for trying out this hypothesis: (1) Cement anticline in Oklahoma, (2) the X, Y and Z anticlines of Central Pennsylvania, (3) the Lyons formation of Northeastern Colorado, where Pan Am oil geologists made direct correlations between whitening of red beds and structural highs (see Figure 6), and (4) other areas with reported bleaching over structural highs.

FOLLOW-UP EXPLORATION

The following general exploration procedures would be most applicable:

- Location of structures having minor copper and uranium mineralization.
- (2) Broad definition of structures having potential bleaching near structual highs.
- (3) Surface mapping in virgin areas to identify if possible Figure 2 type relationships regarding bleached (or reduced) and oxidized lithologies.

* see page 202, Water Well Technology, by Campbell & hohr.



- (4) Exploratory drilling either to support surface mapping results or to establish relationships as expected.
- (5) Selection of suitable cuttings for assay, in ppm for Ag, Cu, U, V, Fe+++, etc.
- (6) Major drilling campaign for targeting silver mineralization.

The above has been only a brief outline of the approach. For any given area of potential, additional work should be carried out which considers the specific aspects within the area.

REFERENCE

- Campbell, M. D., 1970, Preliminary Report on the Uranium-Silver Potential of Pennsylvania, 80p., May, (Unpublished United Nuclear Report)
- Costin, P. C., 1970, Geology of the Lady Belle Mine and Vicinity, Bruch Creek Mining District, Eagle County, Colorado, M.S. Thesis, Colorado School Mines.
- Erickson, R. L., 1954, Association of Uranium and other Metals with Crude Oil, Asphalt, and Petrol, Ferous Rock, Bull. AAP6, Vol. 38, No. 10, pp 2200-2218.

Love, T. F., G.S.A. Paper No. 20

McKay, E. S. and Hyden, H. J., (?) Permian of North Texas and Southern Oklahoma, pp. 208-216.

Proctor, P. D., 1953, Geology of the Silver Reef (Harrisburg) Mining District, Washington County, Utah, Utah Geol. and Min, Survey, Bull. 44.

Rackley, R. I., 1968, Concepts and Methods of Uranium Exploration: Wy. Geol. Ass. Guidebook; Black Hills Area.

WELL LOGS FOR EXPLORATORY HOLES

NUMBER 7, 8, 9, and 10

PTH STRIP		
1 1 100	LITHOLOGY LOG	ANALYSIS OR RADIOACTIVITY
1.1		
		······································
10		
·	have a constant of an and the second se	
4		······································
1		
W		
	155-762.3 INTERBEDDED SILTSTONE, SANDETONE, CLAYSTONE, SANDY PORTIONS PRE- DOMINANTLY PALE REDDISH BROWN (10 P. 514) (1040) DETENDED	
1	SORTED SUBANGULAR TO SUBRUNDED; FINE TO NEDING (RAMED: QUART20115	2/
1.1.1	SORTED ; SUBANGULAR TO SUBROUNDED; FINE TO MEDING (RANDSTONE ADDERT RE PARSE KELL DUSSIL (REAY (SY BIL)) CALCAREDUS SPARS IN SANDSTONE TO ME SUBROUNDED; FINE TO MEDING (RAND); QUARTZUSE MUDS AND STEINGERS YELLOUSH, GRAY CALCAREDUS SPANDSTONE TO MARD STORE TO ASTAGE YELLOUSH GRAY (SY AN). ETHICAL CALCAREDUS SANDSTONE TO MARD STORE SANDSTONE; YELLOUSH GRAY (SY AN).	
]	SUBANGULAR TO CRAINED.	
	CONTRITS ABOVE NOD BELOW SUGGET WHEN A FOR PORTS	······································
	SAUDETDUS, CONTRACTOR	
	CEAY (SY BI) STEINERTS AND SPOTS AS UNITS ASOUTS - CEAY (SY BI) STEINERTS AND SPOTS AS UNITS ASOUTS - CEAY BY MIST BEDS ARE GEAVISH RED (SE A/A); FIRM, MOSTLY MASSING SOME THIN STATE BEDS ARE	
	GEAVISH RED (S E 4/2); FIEM LETES AND SPATS AS UNITS ASOUT FOLAYEY WITTER BEDS ARE SORTED MEDIUM (RAINED; SUBANIAU AR DS SUBE SOME THIN BEDDING TOP 1/3ED; WELL ESPECIALLY C. WHATE SPATS AND LOCAL REDUSH GALLS; MICACEDUS TB30-TDA9 CANDETDNE : PALE FED PUCKES (SOLO COLOR SUBCOMPED); MICACEDUS	· ·
000 0 1	1830-7089 SANDSTONE: PALE EED PURPLE (5 RP 6/2) GRADING DOWNWARD THROUGH PALE RED (5 R 6/2) AND-AMONTLED WITE WAR TO THE DING OF A CONTROL OF A CONTROLOGY AND CONTROL OF A CO	
	ECD (SR 6/2) AND AN OTTED INTEGRATE TO VELLOWISH ERAY (SY B)) MILESEDDED	
	CLAY GALLS MAGE DURY RED (SR 3/4) AND PALE GREEN (SY B/)), MARE BEDDED BEDDED TENDENCY, WELL SOUTED, MEDIAN GRANED; SUBDALLAR TO SUBEDUNDED; WATER SEDED CLAY (ALL SOUTED), MEDIAN GRANED; SUBDALLAR TO SUBEDUNDED; WATER BEDDED CLAY (ALL CONTERMILS CALCANCED); POSSIBLE TRANCT GLAVIONITE; 108.9-191.5 CLAYSTONE, PERPONNENT (ALL CONTERMILS FOSSIBLY INCLUDING SOME DETANIC MATERIA	
1	1708.9-191.5 CLAYSTONE PEODOMINEURAL CONALOMETERIE, FOSSIBLY INCLUDING SOME DELANIC MATERIA	z. ·
	CLAYSTONE; PEEDOMINANTLY CERVISH ED (10 E 4/2) SOME MOTTLED AND BANDED CERVISH (REEN (S 6 5/2); FIRM; EGDDED TENDENCY: LOCALLY SILTY: LOCK FLONTING SAND GEANDED TRACE PYEINE OFIDIENG TO LIMONITE; FRACTURES CALCAREDUS; SOME SUCCESSIDES	······
	PREDOMINANTLY SANDSTONE, FALE RED (IDICL)E STREATED AND BANDED YEZLOWISH CRAY (5 Y 8/1) AS UNIT 763.6-783.0; EEDE (RESENTED AND BANDED YEZLOWISH	
33121	CRAY (5 Y B/1) AS UNIT 763.6-783.0; REDEREED STREAMED AND BUNDED YELLOWISH 196.1-802.4	
	SILTSTD NE BEAMANIEN COAN COMPANY	
	NATTLED EEDDISH-BEDWAN AND LIGHT (SYR 4/1); MICACEDUS; GRADING DOWNWARD TO SANDSTONE FAINT LIMONITIC OVERTING AT GLAY AND DOWNWARD TO PALE BED (IDIC/6/2) WITH WELL SOCRED SUBANGULAR TO SUBROWDED; PUMPTINGS PASSAURY FROM THE CONVERTENCE.	
1 and 1	802.4 806.0	
0000	SANDSTONE; PREDOMINANTLY GRAVISH OFANGLE (ID VE 7/4); SPARSE WHITTSH SPOTS AND STRINGERS: DAEK AREY-BEOWN NUCLE CLAYEY, FIRM; THINBEDIED TENDONCH WITH SOME X-BEDDING; WELL SWETED; MEDING GRAVIES; SUBANGLENT DSUBDONCH OWNERAVE: TRACES LASILES AND LOIRE BLACK ACCESSORIES; WHITTSH SPOTS CALCARENUS; BOLO-BODA	
	WITH SOME & BEDDING WELL SWETED HEDILM GEAINED; SUBANGULAR TO SUBROWDED;	
	BOS. 0 - BOD. 4	
	CLAYSTONS COADING DAL	
	AND DAER GEGENISH GRAY (SGY 4/1); LOWER PART PALE GREEN (10 G G/2); FIRM; BEDDED TENDENCY; MICACEDUS	
<u>-</u>		······································
: E		in the second
	808.4 - 867.3 MADETAL	
Ē	SANDSTONE, PREDOMINANTLY VERSY LIGHT GOTAY (N B.5), TOP 4" THINLY INTERBEDDED GRAVISH RED (IDR 4/2) AND PALE RED (IDR 6/2), DTHERWISE CLAVEY SECTIONS GRAVISH TO GREENISH TINTED, FIRM, MADE	
	SUBANGULINE TO SUBPADUALED, MACTING SIVE TO THIN BEDUSD; WELL SORTED;	
	LOCALLY CARBONDE FOUR LONSPICUOUS BLACK A CRESSORIES; METHY CALCARDUS	3.4
	STRINGERS NOT MUCH EVIDENCE OF OXIDETAN	
	BGT. 8 - BTZ. 5 SANDSIDNE ; YEFY SIMILAR TO NEXT ABOVE, EXCEPT COLOR PRED. CRAYISH PINK (SE 3/2)	
		•
E	872.5-885.6 21/0	
· · · · · · · F	SANDETONE; VERY LIGHT GRAY (N.8.5) AND OTHERWISE VIRTUALLY IDENTICAL TD. UNIT 2ND ABOVE NOTE: COALY. MARRIAL IS P. M.R. (UNOI 19126D)	집에 아무렇는 것이 가지 않는 것
000		р. т.
000	CLAYSTONE; BEOWNISH GORY (SYE 4/1) GRADING, DOWNWARD TO PALE BEOWN (SYES/2); FIRM; MASSIVE TERSDERVCY; SILTY TOWARD BASE	
	887.6 - 902.5	
5	SAND STENC : PALE RED (INE 6/2) CRAPING DOWNWARD TO VERY LIGHT GRAY (N.B).	

80-	-	1 .		1
	1	-		
	1	1		
00 -	1			
55	<u>تو تنونا الم</u>	1	INTERREDUED SILTSTONE, SANDETONE, CLAYSTONE, SANDY PORTIONS PR	
20-		i.	DOMINANTLY PALE REDDISH BROWN (10 R STA); CLAYEY PORTIONS GRAVISH RE. (10 R 4/2); FIRM; THIN; CRINKLY BEDDED TENDENCY. SANDSTONE MADER SORTED SURANCULART	7777 V ·
62.3	1	Fa	STARSE VELL DIVISION OF SUBROUNDED; FINE TO ASDION CRAINED; QUARTZOJU	🐬 ya kata kata kata kata kata kata kata k
63.6	· · · · ·	F.L	V61.3-763.6	
40-			SANDSTONE; YELLINDISH GEAY (5 Y 8/1); FIEM; MASSIFE; WELL SORRED; MEDIUM GRAINED; SUERINGULAR TO SUBRONDED; GUARTEOSE; SPARSE LABILES; LOCAL BLACK SPOR, WORKLY	
· · ·	1		CALCAREOUS; CONTAITS DEDIE AND BELOW SUGGEST WHITESA AFTER REDDISA	
60-	1	1	SAND STONE; PREDOMINANTLY MODERATE EED (SR 6/4); TOP 2' HAS YELLOWISH	
] · · · · ·	1	CENY (5 Y D/1) STEINGETS AND SPOT AS UNITS ASSUST CLAVEY - WISCEDEDS ARE CENYICH RED (5 R A/2); FIRM, MOSILY MASSIVE SOME THIN BEDDING TOP 130; WELL SOITTED, MEDILM CRAINED; SUBANGUER TO SUBROWNED; PUNETEDSE; LOCALLY CALLARED ESPECIALLY C. WHITE SPOT AND LOCKLE PODICAL CALLS CALLARED	
· · ·	1.7 1	t	785.0-702.9	
788.9 00-	00010		SANDSTONE; PALE EGD PURPLE (S RP 6/2) GEADING DOWNWARD THEOUGH PALE ECD (SR 6/2) AND TH OTTLED INTEGUAL TO YELLOWISH GRAY (54 B/1); MILL SEDDED.	
791.5	1	1-1	CLAY GALLS ARE DUSKY RED (SR3/4) AND PALE GREEN (10 G 6/2); FIRM; THA BEPPED TENDENCY; NELL SOFTED; MEDILM GRAINED; SUBANYULAR TO SUBBOUNDED; GUARTEDSE ; HIGHTED COLORED INTERVILLS CAL CARESUS POSSIBLE PRACES GLAUCON ITE; MARTED GEPDED CLAY- GALL CONGLOMERATE; POSSIBLY INCLUDING SOME OFFANIC MATE	
796.1		F3 / L	TOB.9-1915	par .
802A		Eill	CLAYSIONE; PREPOMINANTLY - CRAYISH ECD (IDE 4/12) SOME-MADITAD AND BANDED - CLAYISH- CREEN (S & 5/2); FIRM; BEDDED TENDENCY; LOCALLY SILTY; LOCAL FLONTING SAND GRAWS ITRACE PYRITE OFIDIZING TO LIMONITE; FRACTURES CALCAREDUS; SOME SLICTENSIDES	
B06.0		Fill	PREDOMINIANTY SAMPSIDNE PHILE RED (10864) - TITLED AND DUD TO VETLOUDE)
900.420		111	1131011 13 THE 103.0-183.0; REDE REEEN SILTY CLAYSIDNE INTERBED	
			796-1-BOZ.4 SILT STONE; BEOWNISH GRAY (5 YB 4/1); MICACGOUS; GRADING DOWNWARD TO SANDITON WATT FOR PEDDICI-	ve,
			MOTTLED REDDISH-BEDWAN AND LIGHT CONTACTOR AND DOWNING TO DALE RED (IDEAL) A FAINT LIMONITIC OVERTING AT BASE; FIRM; THIM BELDED TENDENCY; CENERALLY WELL SORTED; SUBANGULAR TO SUBDUVED; PURCTOSE; PASIBLE TRACES GLAUCONITI	
A0-	or e	-16	802.4-806.0	
N.	0000		SANDSTONE; PREDOMINANTLY GRAVISH ORANGE (10 VE 7/4); SPARSE WHITTSH SPOTS AND STRINGEZS; DARK CREY-BRANN AWERE CLAVEY 1200. THIN-BEDRED TENDONCY	
1 00-	. :	F.	SANDSTONE; PEEDOMINANTLY GRAVISH ORANGE (ID VE 7/A); SPARSE WHITTSH SPOTS AND STRINGGES: DARC GREY-BROWN AWERE CLAYEY; FIRM; THIN-BEDGED TENDOVCY WITH SOME X-BEDDING; WELL SWETED; MEDING GRANNED; SUBANGUMENT TO SUBROWN OWAETONE: TRACES LASINES AND LOINE BLACK ACCESSORIES; WHITTSH SPATS CALCAREENS; VEGUITOUS TTANDATE: PATAT	a);
TNO			000.0-808.4	
222			CLAYSTONE GRADING DOWNWARD TO SILTSTONE, UPPER PART PRED. GRAVEN RED (IOR AND DARY GREANING CRAY (SGY 4/1); LOWER PART PALE GREEN (IOG G/2); FIRM; BEDDED TENDERVCY: MICACEDUC	4//2)
00 00-		141	BEDDED TENDENCY; MICACEDUS	· · · · · · · · · · · · · · · · · · ·
24.				and a second second second
. 00-		11.	BOB.4 - B67.3	
50.			SANDSTONE; PREDOMINANTLY VETRY LIGHT GRAY (N 0.5); TOP 4' THINLY INTERBEDDE GRAYISH RED (IDR 4/2) AND PALE RED (IDR 6/2); OTHERWISE CLAVEY SECTIONS	p
1.1		11.	GRAVISH TO GREENISH TINTED; FIEM, MASSING TO THIN BEDDED; WELL SORTED; SUBANGULARE TO SUBROUNDED; MOSTLY MEDING BRAINED; SOME COARSE; QUARTE	
20-		- 1	SPARSE LABILES; LOCKE CONSTICUOUS BLACK A CELESSARIES; NUTARY CAUGHER LOCALLY; CARBONACEDUS, MICACEDUS INTERBEDS; ALSO THIN GREENISH MUDSI	205
		1	STRINGERS NOT MUCH EVIDENCE OF OXIDNTON	
8173		:	BGT. 3 - BTZ. 5 SANDSIDNE ; YEEN SIMILAR TO NEST ABOVE EXCEPT COLOR PEED. GRAVISH PINK (SP 9/2)	
6	· · · · · · · · · ·	-		
			B12.5-BB5.6 SANDETONE; VERY LIGHT CRAY (N.B.S) AND OTHERWISE VIRTUALLY IDENTICAL	
. 60-		- I	TO UNIT 2ND ABOVE NOTE COALY MARRIAL IS_PARAIN (UNOIDIZED)	÷н
885.6	000		BB5.G-BB1.G CLAYSTONE BROWNISH CONY (SYR 4/1) GEADING DOWNWARD TO PALE BROWN (SYR 5/2) ,
867.6	0000		THEM; MASSIVE TENDENCY; SILTY TOWARD BASE	
	2		BBT.G - 902.5 SAND STANK + PALE BED (INB (IN) CORDING CONTINUES	
	6 2 20		SAND STANE ; PALE RED (ISP 6/2) CRAPING DOWNWARD TO VERY LIGHT GRAY (N FIRM ; MASSIVE, EXCEPT INTER BEDDED CLAV- BALL CONGLOMERATE; WELL SORPED OTHER WISE, WEDLING OFFICIENT, AND CALL CONGLOMERATE; WELL SORPED	
902.500	00000		WEAK TITA (ES CA COg	······
	1	9	902.5-907.0 CLAYSTONE . PREDOMINANTLY DNEK GREEDNISH CRAY (56 4/1) AND LIGHT OLIVE	
907.0		.) ¦	CLAYSTONE . FREEDOMINANTLY DACK GREEDUISH CRAY (564/1) AND LIAHT OLIVE GRAY (546/1) WITH INFLUX OF GRAYISH EED (584/2) TOWARE BASE, FIRM; BEDDED TENDENCY; VERY SILTY; LOCALLY CALCACEDUS	
·0 · 0	1.5	5	907.0 - 909.0	
	$h_{i}(q)_{i}$		SANDSTONE AND SULTITONE PALE DED . (SR G/E); FIRM; MASSIVE TENDENCY; WELL SORTED; FINE GRAINED; QUARTEDSE; VERY WORKLY CALCHEEDUS	G . M . Main
e0			The second s	·· ə ·.
	10.0			
00		•		• • • • • • • • • • • • • • • • • • •
			a descense and the second state is a second descent at a second second second second second second second second	
	1			
	241.			
•	10. M	2		8

and the	TOWNSHIP 41 S. RANGE 14 10 T.D. 990	M. SHUCHEL DATE FED 17, 1710
	Пакое 1.0	P.O 2
DEPTH STRIP	LITHOLOGY LOG	ANALYSIS OR RACIOACTIVITY
20-00		
404 1008		
	844555745- CONVERSION	
30	BILLESTONE, GRAYISH RED (10 R 4/2); FIRM; MASSING TENDENLY; CLAYEY BILLACEDUS B33.0 - B48.0 INTEREBODED SILESTONE, SANDSTONE, CLAYETONE, OUGEALL COLOR PALE REEDDING FROMM (10 R (5/1))	
18.0	CRIMINLY-BEPPED TENDENCY SANDY PORTIONS NODECATELY WELL SOUTED AND QUARTEDSE ; IRREFULME WHITSH SPOTS AND BANDS ARE CALCAREDUS BAB.O-AHRA	
8 500 0.20 51.6 7.3	BAB B-BOD FILTSTONE, SANDSTONE, MASSINE TENDENCY; SILTY; MICALEOUS NITER BEDDED FILTSTONE, SANDSTONE, MAD CLAYSTONE; VIRTUALLY IDENTICAL BSD: 7-BSIG BSD: 7-BSIG SUBMAULAT D RECOVERY (5 YE B/I); FIRM; MASSINE; WELL SATED; MEDIUM CRAINED	
9.8 20	BSI.G - 056.5 SANDSTENE; PREDOMINANTY PALE REDDISH BROWN (10 R. 5/4) BUT WITH WHITSH SPOTS AND BANDS AS SANDSTONE NEXT ABOVE: FIRM; MASSIVE TENDENCY; WELL SORTED: MOSTLY MEDIUM GEALNED, SWANE: FIRM; MASSIVE TENDENCY;	2 <u>+20</u>
3.3 5.2 7.8 60	HUNLINSH. ARESNE - GENERALLY - CALCARGOUS; EMBAYMENTS OF CONSENTING AND	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
000	SAMDSTONE; TOP AND BOTTOM 2' VERY LIGHT GRAY (NB); MIDDLE PART PALE REDDING. BROWN FRAM: MOSTRY MASSINE; WELL SWALD; MEDUM GRAINED; SUBANGUMER TO SUBROUNDED; QUARTEONS; GREENISH GLAUGNINE? NORTHY CALCAREDUS IN WHITE MELTAS; COLOR CHANGES MEE ORNOUNCE? NORTHY CALCAREDUS IN WHITE	
1.0	BID.G 673.3 ICLAYSTONE, PRED. GRAYISH RED PUEPLE (SPP 4/2); SOME REDRED?; FIRM; BEDDED TENDERLY; SILTY; MICACEDUS	
2 80	SANDSTONE, CRAYISH ORANGE PINA (102, 8/2); CALCACOUS; OTHERNISE NS -BS03-0. BTS.2 - BT9.8 CLAYSTONE, UPPER AND LOWER PARETS REDDISH WITH WHITSH SPOTS AND BANDS, AS UNIT BSI.6-BSGS; MEDIAL PARET OLIVE GRAY (SY4/1) AND LIGHT OLIVE GRAY (SY6/1); SILTY; WHITSH AREAS GENETRALLY WEAKLY CALCATEDUS BT9.8 - B90.0	57.6
5	SANDSTONE, PREDOMINANTLY LIGHT CRAY (N7); DARAGE WHERE STREAMED WITT CARBON OR CLAY, FIRM; THIN BEDDED; WELL SOUTED MOSTLY MEDIU CRAINED, SOME COMRES; SUBBOWDED TO SUBANGULARC; PUNITEDSE; CARBON- ACEDUS AND CREENISH CLAY STRINGESDEFINITELY NOT DXIDIZED	
eo	SANDSTONE; TOP 2' PALE RED (IDE 6/2); BOTTOM I' GRAYUH ORANGE (ID YR 7/4); FIRM; MASSING TENDENIY; OTHER PARAMETERS AS ABONS; CALCARETUS: LIMONITC CLAYSTONE GRADING DOWNWARD TO SILISTONE: PREDOM IN ONLY DAOR GREENISH GRAY (S GY S/1); LOCKL SPARSE LIMONIES STAIN; FIRM; BEDRED (ENDALY; LOCKL	
00 00	1843.0 - 907.2 SANDSTONE; TOP 4' LIGHT BROWNIGH GEAY (S YE G/1); NEAT 1'S VERY LF. ARAY (NS) THIS CHES WAY CRADUALLY TO PALE RED (10 R 5.5/3); BOTTOM 2" GRAYISH OCHNAE (10 VR 7/4); FIRM; BEDDED TO MASSIVE; OTHER AS NOVE; TOP 4'CANS; WWG-CALC 907.2-908.8	
00	CLAYSTONE AND CLAY.GALL CONGLOMETEARE; MEDIUM DARK GRAY (NA) TO MEDIUM GRA (N7) I LOCAL LIMENITE (INDIGETEARE? MEDIUM DARK GRAY (NA) TO MEDIUM GRA 908.8-910.2 (NETE "WHITE" TOP (BUTTEM NOTE" AND ARENE) SANDSTONE; CRADING DOWNWARD FROM GRAVITE ORANGE PINE (ID. C. O.L.) TURAGH	
20	PALE FED (ID E 6/2) TO VERY LIGHT GRAY (N B); OTHERWHE AS ABING; WHITE CHLEATE 910.2-912.5 (NOTE FEDUCTION AT TOP OF WHITE SAND) (LAY STONE; GITAVISH RED GRADING (VARIEGATED) DOWNWARD TO PALE GITESN UP6 6/	
	912.5-978.7 SANDSTONE, PREDDMINANTLY VERY LIANT CRAY (N & TO N BS); LOCALLY JUNGT WHAT DRENTE WHERE CLAYEY OR CARBON ACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM CRAINED; QUARTZOSE WITH SPARSE	
7 00000	WADICATED NOTE - ALL CLAY, WILL BASE CARBONACEDUS AND CLAYEY AS WADICATED NOTE - ALL CLAY, WILL BASAC GALLS ARE GEESVISH OF GRAVISH CEODUC 978.7-986.0 CLAYGALL CONGLOMERATE, UPPER PRE- 02-0000000000000000000000000000000000	the second s
	AND CONSIDATERATE; LOCALLY CALCAREGOUS TOWARD BASE 986.0-986.8 SANDSTONE: VERY LIGHT GRAT (HB) FIRM MASCINE WELL SWEETED, WEDLING	-
H 1000 1	CCAINED; SUBANAULAE TO SUBROUMDED; QUMETEDSE; CALCAREDUS	

		TO UNIT IND ARAVE SAUSTONE, NOD CLAYSTONE; VIRTUALLY IDENTICHE	
.5 7.	1.1.1.	BSD 1- BSIL	
·3 37	1	SANDSTONE; PINICIST GERY (SYE B/1); TEM; MASSIVE; WELL SOTTED; MEDIUM GEAMED	
1.8 20-		SUBANAULATE TO SUBROUNDED. QUMIETEOSE. STATE EXOTICS; CALLAREDUS. WHITE NERSED BSI.G - DSG.5	62) · · · · · · · · · · · · · · · · · · ·
E		SANDSTONE; PREDOMINMNTLY PALE REDDISH BROWN (10 R. 5/4) BUT WITH WHITTSH	
: i:	·	SPOTS AND BANDS AS SANDSTONE NEXT ABOVE; FIRM; MASSINE TENDENCY; WELL SORTED; MOTTY, MEDIUM REALNED; SUBANGULATE TO SUBEDWADED; QUARTEDE	
.6 40-	التشت	1011354- ARGAZ-GENGEALLY-CALLAGEOUS: FARAVALONGALANG. SHALL CUM. AUDE & PIEL	200
13 3	333		
52 -		SANDSTDNE PINAISH CRAY (5YR.B/I) FIDM; MASSING OTHERWISE SIMILAR TO UNIT 2ND ABONS, EXCEPT NON CALCAREDUS; FAINT PINA SUGGESTS REDUCT RED BED"	
10 1	7777	(857.3-659.8	
8 60-	1	CLAUSTONE; CREATING RED (IDR 4/2); FLRM; SILFY TO SANDY; MILACEOUS	
E.	500	SANDSTONE TOP AND BATTOM 2' UFOVILGUT REALLY	
3.	500	SUBPOUNDED BUARTEONS CONSULT CLAIRED THE DING GEAMED SUBPLING THE TO	
		A CONTRACT AND A CONTRACT AND A CONTRACT	
,o 7:		-870.6-873.3 KLAYSTON- PRATICAL	
4		BEDDED TEMPERCY, SILTY; MICACEOUS	
		013.3-0/3.2	
. 3.	4.1.5	SANDSTONE, CIERHISH ORANGE PINA (102: 2/2) CALCACEDUS; OTHERNISE AS BS0:3-8. 875.2 - 879.8	5/6
<u>-</u> -		CLAYSTONE UPPER AND LOWER PART PERMIN	
:2		AS UNT BSIG-BSGS, MEDIM PART OLIVE GRAY (SYA/) AND LIGHT OLIVE GRAY (SYG/I); SILTY; WHITSH AREAS GENERALLY WEAKLY CALCALEDUS	
.1 20-		3 WILL W FORMULA AND I A STATEMENT REPORTED AND A STATEMENT OF BUILDING AND AND A STAT	
2 . T		BT9. B - B90.0 SANDETONE: PREDOMINANTLY LIGHT CANY (N7); DARMER WILDOE STREAMED WITH CARENN AR CLARK ENDM. THIN STREAMER WILDOE STREAMED	1
1			
		CEAINED, SOME COARSE; SUBROWDED TO SUBROUTE ; OUNTERSES : CARBON- ACEDUS AND CREENING CLAY STRINGERS DEFINATELY NOT DEDICED	
1. 31:	.::::::::::::::::::::::::::::::::::::::	SOLO DOLO (THE SECOND	
1 2 4	:::::EIIA	SANDSIDNE; TOP 2' PALE ROD (IDE G/2); BOTTOM I' GRAYEN OFANNE (ID VE 7/4); FILM: MASSING TENDETHY; OTHER PARAMETER DE ADAME CANNE (ID VE 7/4);	
1. 1.	· · · · FIII	Cors.o-075.4	
60	::: t	CLAY STONE CRADING DOWNWARD TO SILTS IDNE : PREDOMINANTY DART GREENISH	
1 . 1:		GRAY (5 GY S/I); LOCAL SPARSE LIMONIES STAIN; FIRM, BEDDED IENDERLY; LOCAL (1843.0-907.2	a(a)
1. 15	000.	SANDEDUS TOP A'LIGHT BROWNING STATES	
.E.04	000	THIS GIFL WAY CRAVEL OF THE COULD PERSON OF CRAVIEL OF ANSIS	
3:	::::	(10 VR 7/4); FIRM; BERDED TD. HASSIVE; OTHERMSS AS NOVE TOP + CARD WWW CALC.	40005
1. 1.	·	CLAY STONE AND CLAY GALL CONGLOMETERTE; MEDIUM PARK GRAY (N4) TO MEDIUM GRA	y
1 3:	25561	(M7) LOCAC LIMENITE (INDIGETIOUS?); FIRM; CONSPICUOUS BEDUNG; SLIGHTY CALC.	
00-7.		908.8-910.2 (NOTE"WHITE" TOP (BITTOM NOTE AND ABOVE) SANDSIDNE CRADING DOWNWARD FROM (TRYISH ORANGE PINK (IDR B/2) THROUGH	
1 . 1.	· · · E 1	(PALE KED (IDE 6/2) TO VERY LIGHT GRAY (N R). OTHERWISE AS ABING WITTE CALCARE	202
E E		110.2- 412.5 (NOTE "EDUCTION" AT TOP OF WATT SAND)	
20-3.	1.4.1-	CLAY STONE; GRAVISH RED GRADING (VARIEGATED) DOWNWARD TO PALE GREEN UNG 4)	
1 5			(2)
1	· · · [2)
		912.5 - 978.7	
		SANDSTONE. PREDOMINANTLY VERY LIGHT CRAY (N& TONBS); LOCALLY JUME	
		SANDSTONE. PREDOMINANTLY VERY LIGHT CRAY (N& TONBS); LOCALLY JUNE WHAT DARIAZ WHETTE PLAYEY OR CARBONACEOUS; FIRM; MASSIVE TO THIN REDDED - WELL SORTED : MEDIUM CRAINED OUNPETATE	
		SANDSTONE. PREDOMINANTLY VERY LIGHT CRAY (N& TONBS); LOCALLY JUNE WHAT DARIAZ WHETTE PLAYEY OR CARBONACEOUS; FIRM; MASSIVE TO THIN REDDED - WELL SORTED : MEDIUM CRAINED OUNPETATE	
B.7		SANDSTONE: PREDOMINANTLY VERY LIGHT GRAY (N& TON BS); LOCALLY JUNE WHAT DARKER WHETTS CLAYEY OR CARBONACEOUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RENINED; QUARTZOSE WITH SPARSE EX STICS; TRACES CARD, TOWARD BASE; CARBONACEOUS AND CLAYEY AS WADICATED NOTE-ALL CLAY, WAL. BASAL GALLS NEW GESSVISH OF GRAYISH (CEDUC	
0	OPP	SANDSTONE: PREDOMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARKAZ WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RANNED; QUARTZOSE WITH SPARSO EX STICS; TRACES CARD, TOWARD BASE. CARBONACEDUS AND CLAYEY AS WARCATED NOTE-AL CLAY, NAL. BASAL GALLS ARE GRESSVISH OF GRAVISH (CEDUC 978.7-986.0	αD
00010	000	SANDSTONE PREDOMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARKAZ WHETTS ELAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THM BEDDED; WELL SORTED; MEDIUM GRAINED; QUARTZOSE WITH SPARSE EX STICS; TRACES CARD, TOWARD BASE. CARBONACEDUS AND CLAYEY AS UNDICATED NOTE - ALL CLAY, WELL BASAL GALLS NEW GESSVISH OF GRAVISH (CEDUC 978.7 - 986.0 CLAYGALL CONGLOMERATE; UPPER PART PEEDMWANTLY GRAVISH RED (DR.Y. BECOMMAN KREETCARED GREETUSH TOWARD RASE MATTY IS WHETCH A	a)
00	OPP	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARKER WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THM BEDDED; WELL SORTED; MEDIUM GRAINED; QUARTLOSE WITH SPARSE EX STICS; TRACES CARD, TOWARD BASE. CARBONACEDUS AND CLAYEY AS UNDICATED NOTE - ALL CLAY, WALL BASHL GHLLS NEE GESSISH OF GRAVISH (CEDUR 978.7 - 986.0 CLAYGALL CONGLOMERATE; UPPER PART PREDMINANTLY GRAVISH RED (IDEN BECOMING VARECATED GREENISH TOWARD, BASE; MATERIX IS WHITSH SANDSTON AND CONGLOMERATE; LOCALLY CALEARE GOUS TO WARD BASE	a)
000	000	SANDSTONE, PREDDMINANTLY VERY LIGHT CRAY (N& TONBS); LOCALLY JUNE WHAT DARIAL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO AMA BEDDED; WELL SOLTED; MEDIUM ARMINED; QUARTZOSE WITH SPARSOF EXOTICS; TRACES CAEG, TOWARD BASE; CARBONACEDUS AND CLAYEY AS UNDICATED NOTE-ALL CLAY, WAL. BASAC GAUS NEET GESSIFH OF GRAVIDA (CODUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PEEDAMWANTLY GRAVISH RED (DE 4 BECOMMA VARECATED GREENISH TOWARD, BASE; MATCH IS WATSH SANDSTON AND CONGLOMERATE; LOCALLY CALCAEGOUS TOWARD BASE 986.0-986.8	a)
o o o o o o o o o o o o o o o o o o o	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARIAL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO AMA BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTZOSE WITH SPARSO EX OTICS; TRACES CAED; TOWARD BASE; CARBONACEDUS AND CLAYEY AS WADICATED NOTE-ALL CHAY, WALL BASAC GAUS NEE GESSIGH OF GRAYISA (CEDUR 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PEDDIMMANTLY (RCHYISH RED (DEF) RECOMMAL VARECATED GREETISH TOWARD, BASE; MATCH IS WATSH SANDSTON 786.0-986.0 SANDSTDNE; VERY LIGHT (CAAT (N B); FIRM; MASSIVE; WELL SORTED; MEDIUM	a)
000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARIAZ WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THAN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTZOSE WITH SPARSO EX OTICS; TEACES CAED; TOWARD BASE; CARBONACEDUS AND CLAYEY AS WANCARED NOTE-AL CLAY, WAL. BASAL GALLS NEE GESSWICH OF GRAYISH (CEDUR 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCHYISH RED (DEF) AND CONGLOMERATE; LOCALLY CALCAE GOUS TO WARD BASE 986.0-986.0 986.0-986.0 986.0-986.0 SHADSTONE; VERY LIGHT (RAAL (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GEAMAGUS SUBANGULAR TO SUBBOWDED; QUARTEDSE; CALCAEGOUS 986.8-990.0	a) (2) (2)
o o o o o o o o o o o o o o o o o o o	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
o o o o o o o o o o o o o o o o o o o	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARIAL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO AMA BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTZOSE WITH SPARSO EX OTICS; TRACES CAED; TOWARD BASE; CARBONACEDUS AND CLAYEY AS WADICATED NOTE-ALL CHAY, WALL BASAC GAUS NEE GESSIGH OF GRAYISH (CEDUR 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PEDDINMANTLY (RCAYISH RED (DEA) RECOMMAL VARECATED GREETISH TOWARD, BASE; MATCH IS WATSH SANDSTON AND CONGLOMERATE; LOCALLY CALCAREGOUS TOWARD BASE 386.0-986.0 SANDSTONE; VERY LIGHT (RCAT (H.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GCAIMED; SUBANAULAR TO SUBBOWDED; QUARTSOSE; CALCAREGOUS	a) (2) (2)
0.0.00 0.0.00 0.0.00 0.0.00 0.0.00 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
0.0.00 0.0.00 0.0.00 0.0.00 0.0.00 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
0.0.00 0.0.00 0.0.00 0.0.00 0.0.00 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
0.0.00 0.0.00 0.0.00 0.0.00 0.0.00 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
0.0.00 0.0.00 0.0.00 0.0.00 0.0.00 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
0.0.00 0.0.00 0.0.00 0.0.00 0.0.00 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
0.0.00 0.0.00 0.0.00 0.0.00 0.0.00 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
0.0.00 0.0.00 0.0.00 0.0.00 0.0.00 0.0000 0.0000 0.000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
0.0.00 0.0.00 0.0.00 0.0.00 0.0.00 0.0000 0.0000 0.000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
0.0.00 0.0.00 0.0.00 0.0.00 0.0.00 0.0000 0.0000 0.000 0.000 0.000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
00.000 00.000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
00.000 00.000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
00.000 00.000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
00.000 00.000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
00.000 00.000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)
00.000 00.000	000	SANDSTONE: PREDDMINANTLY VERY LIGHT CRAY (N& TON BS); LOCALLY JUNE WHAT DARNEL WHETE CLAYEY OR CARBONACEDUS; FIRM; MASSIVE TO THIN BEDDED; WELL SORTED; MEDIUM (RAMINED; QUARTLOSE WITH SPARSO EX STICS; TEACES CAED; TOWARD BASE: CARBONACEDUS AND CLAYEY AS WHICATED NOTE-ALL CHAY, WELL BASKL GALLS ARE GESSWITH OF GRAYISH (CEDUC 978.7-986.0 CLAYGALL CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) AND CONGLOMERATE; UPPER PART PERDAMMANTLY (RCAYISH RED (DRY) BECOMMAL VARECATED GREENISH TOWARD BASE; MATERY IS WINTSH SANDSTON AND CONGLOMERATE; LOCALLY CALCARE GOUS TOWARD BASE 986.0-986.0 STANDSTONE; VERY LIGHT (RCAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM GRANDSTONE; VERY LIGHT (CAAY (N.B); FIRM; MASSIVE; WELL SORTED; MEDIUM BEROMADUS SORANGULAR TO SUBROWDED; QUMETEOSE; CALCAREDUS 986.8-990.0 CLAYSTONE; MEDIUM GREENISH (SEAY (SEASLI) TO LIGHT ONLY (RAY'SY)	a) (2) (2)

Conception in the local distance of the loca	Contraction of the second second second
And a MIN (In the second	1
	1
Local Contract	A

ECT

TOWNSHIP _______ RANGE 14 W

NORTH 3660'N/S

LOGGED BY P.N. SHOCKEY DATE FER. 20, 1970 T.O. FSRE 1401 P.O.

DEPTH	LOG	<u> .</u>	LITHOLOGY LOG	ANALYSIS OR RADIOACTIVITY
. In	4	•		
	1 11	1		
. 20:	-1.1			••••••••••••••••••••••••••••••••••••••
	1. No			
60-	τ			
1	e. ****	1		* ************************************
1				
60-	· ••		and a sub-many security and a sub-many sub-sub-sub-sub-sub-sub-sub-sub-sub-sub-	
1				
- International Action of the second s				
60-7		-		· · · · · · · · · · · · · · · · · · ·
Te				
. 1				
00-1	7		1255.0 - 1261.1	
1	<u>- 2</u>	•	INTERBEDDED SILISTONE, SAND STONE, AND CLAYSTONE, OUGRALL COLOR	
10.1	1		BEDDED; SANDY INTERVISES OUNTED OF SECTIONS DARMERS FIRM THIN - CENT	ly .
4			SANDETTINE, VELLANDER CANA	
1	Totop	-1	SANDETENE YELLOWSH GRAY (SY B/); FIRM; MASSILE, WELL SORTED; MEDILM GRAINE SUBANGULATE TO SUBRONDED; QUARTEOSE WITT SPARSE FROTICS; CALCHEEDUS; WHITE A 19622 - 124.0	2) F/62 [6]
40-		<u> </u>	WITTERBEDDED SILTSTONE, SANDSTONE, MAD CLAYSTONE, AS UNIT OND ABOVE	
1	1 A A A	71	PRINDETONE : PREDOMINANTIN DALIE RED (SP G/A) BUT DUSKY PAT (SP S/A) IN CLA	
- Ti		511	CALL CONGLOMETERIE SECTION, AND LOCALLY BLEYCHED GRAVISH ORANGE PINK (IDR. FIRM: MASSILE TO THIN BEDRED; GENETRALLY WELL SWEED; MEDIUM REALNED; SURAMULTIT D SUBCONDET DISCONCERTALLY WELL SWEED; MEDIUM REALNED;	(12);
60-			SUBANIAUNIT TO SUBCONDED QUARTEDSUS; BLEACHED ACEAS ARG CHLCAREDUS MAD CLAYET STEMILGES ARE REDUCED TO GREENISH COMPEST FRACES LINONTE	PAINT
Ę			SILTISTENIE; GENNISH RED (SR 4/2); FIRM; MASSILE; CLAVEY; MICACEOUS	
ti i	·	2	SANDSTONE PALE RED (3R 6/4) STEEPARE AND SPOTTED PINKISH GOW (SYE RI).	
60			LIGHTER AREAS CALCHEEDUS, QTHERWISE SIMILAR TO UNIT 1264.0 - 1270.4 1272 A- 127A. D (NOTE REDUCTION OF CLAYEY STRINGSS)	
,	:::::	\[·	SILTSTONE (REALISH RED (S R 4/2) WITH MEDIAL SANDY INTERBED PINNISH GRAY (SY OTHER CHARGERISTICS AS ABOVE; LIGHTER SANDY AREAS CALCAREDUS WITH GREENISH	ca/.);
00	10.00	118	SANDSTONE : PREDOMINANTLY AT FRED (SP G/A) BUT USPY IT CRAY (NO)	
Ŧ		111	ARE REDUCED TO CREENISH IN BLEACHED AREAS	22
. 1		. 11-1	1279.6-12 BT.O (NOTE REDUCTION FENTURES) CLAYSTONE AND SILTSTONE , VARIES ATED GRAVISH RED (5R A/2) AND DARK	
20	¢'-1-	111 1	WE SCHUT GEAY LSG 7/11. SILLY SECTIONS LIGHT OLIVE ADDI IN A FUIL	
1			SANDSIDNE IS VERY PALE ORANGE (10)R'8/2); ALL FIRM ; BEDDED TENDENCY; ALL SIMILAGE TO CONTREPARTS; BLETACHED SANDITONE IS (ALCAREDUS WITH GERNISH CLAY, STRINGERS; ALSO TOP OF THIS UNIT IS GEEENISH BENETITH BLETACHED SAND ABOUT 12 87.0-1301.	
**		111 1	SILTSIANE GEADING DOWNWERD TO SANDSTANE TOP 2.5' MOTICED GRAVING ED (SE 41) VELOWING GRAY (SY 6/1) AND ADDETATE YELOW (SY 7/6); REMAINDER MOSTLY PALERE	e,
1		Ri	TOWARD BASE: FIGHT MASSIVE ARDER THE DEAD DO	
	1.11	lli	13016-1303.0	w/*
<u> </u>			CLAYSTONE MOSTLY MEDIUM GRAY (NS); STURY SECTIONS LIGHT OLINE GRAY (SYG/)) FIRM THIN. BEDD OD, CLAY GALLS AT THE LIMY FRACTURES; BASE IS DISTANCE RECENTLY	,
4		1 1	1303.0 -1312.0 SANDSTONE; GRAVISH DINK (SR 7/2) GRADING DOWNWARD TO PALS RED	
00-7:	: ::.	11	(DIC WIZ) MOTTLED TECLOWISH AFRY (EVALI) I DEMILY INI I DUNER DART FIRM.	
、 =:		1	1312.0 -1312.5	
·	5.1		SILTSTONE; GREETHISH GRAY (564 GII); FIRM; VERY CLAYEY	
0-1:	-:::	. ·		
·]:		i .]	1312.5 - 13 B3.2 NOTE: SO CALLED LIMONIE MAY BE JAROINE, ET.	
3.	111	N 4		
20-1.	·	A	SANDSTONE; VERY LIGHT GOAY (N B) TO LIGHT GOAY (N T) TOP 20'; PALEFED (1000 NETT 17'. VERY LIGHT GOAY (N B) TO YELLOWISH GOAY (5 Y 7/2) NEXT 12'; BASAC	9(2)
-1-	: ==.			
. 1.	1	-	BEPPED TO MASSING; GENERALLY WITH CATED, MOLENAT; FIRM; THIN	
	::	1	CONSPICUOUS BLACK ACCESSOIEVES LOCKE SPACES - IRON OKIDE SPOT	
1:		1	(ARTIND (LAY EALLS?); MORE CALCARETUS ATAN UP.DID, ESP. WHITSH LIMY SPOTS TOWARD BASE; PRESUMABLY CARBONACEDUS OF INDICARD; NOT	
60-1	문란	5 1	SD MUCH EVIDENCE OF "EDUCTION" ALONG MARGINS AND INTERNALLY	
	01:0.6	m	1383.2 - 1385.2 CLAY GRUE CONCLUMTER TO THE TOTAL	
1.			CLAYGALL CONGLOMERATE; ESSENTIALLY GEATISH RED (SR 4/2). GILING WAY	
60-3:		(2) 43	1395.2-1394.4 SANDSTONE, TUP 1/2 ED GRAVISH RED (= 0 2/1) WITE LIGUDAT S MENTERNO 177	

EAST ST'EIW

4		
1		
• =		
10-7		
Z F	1255.0 - 1261.1	
1-2-2-2	INTERBEDDED SHAFSTONE, SANDSTONE, AND CLAYSTONE; OVERALL COLOR DALE BEDDISH, BROWN (IN O STUD) CLAYSTONE; OVERALL COLOR	
1	PALE EEDDISH. BROWN (ID & SIA); CLAYEY SECTIONS DARMIES, FIRM; THIN-, CRIMI BEDDED; SANDY INTERING OWARD STATES DARMIES, FIRM; THIN-, CRIMI	clyr
0-1	BEDDED; SANDY INTETUTIES QUARTZOSE; IFFEGURE WHITE SPOTS SALEAFEDUS	
1117日、1111日 - 11日、1日人やいた	SANDSTDATE VETLAUNTIL COLL	1
	SANDETONE: YELLOWISH GRAY (SY B/); FIRM; MASSIVE: WELL SORRED; MEDILM GRAIN SUBANGULATE TO SUBROUNDED; QUARTEOSE WITH SPARSE EXOTICS; CALCHEEDUS; WHITE'	
010101	UNERREDAD SUTETING SANDE WIRE AND THE SPARSE EXONCS; CALCHREDUS; WHIRE	IF/DE CO
0	INTERBEDDED SILTSTANE, SANDSTONE, HAD CLAUSTONE, AS UNIT 2ND ABIVE	2014 - C. C. S. C.
- 11 M	- I PRINDITIONE: PREDAMINANTIN PALIE RED (SP G/A) BUT DUSKY PAR CEP S/A/IN CU	41
	1) I ANG SOMMEDMEE BEE SEE ELANT BUD LOUBLEY D. S A CONTRAL AND	$\theta(\varepsilon);$
0	MAD CLAYET STRINGES ARE GOUSED A CHECKED ACTAS HARS CHECKEDOUS	-Address -
	1270.4-1271.4	PARAT
1.32	SILTSTONE; GEAVISH RED (SR 4/2); FIRM; MASSILE; CLAVEY; MICACEOUS	
1: 4. W. H	SANDSTONE: PALE RED (SR 6/4) STEEARED AND SPOTTED PINKUM CONVICE VE RU).	
-freeder	LIGHTER ARCHS CALCAR COUS: OTHERWISE SIMILAR TO UNIT 1264.0 = 17 70.4	
3	SUISTAL AND AND AND STORE SEDUCTION OF CLAYEY STRINGESS)	
4	SILTSTONE (CRAYISH RED (SR 4/2) WITH MEDIAL SAMPY INTERBED PINKISH GRAY (S) OTHER CHARACTERISTICS AS ABOVE; LIGHTER SAMPY AREAS CALCAREOUS WITH GREENISH 1212.4-1279.6 (Note RETEATION AT DE AND REDEAT OF SAMPY WAR)	roll.
3: : : : :	1 1272.4 - 12 T9. 6 (Note RETERATION BY THE AND BETTER OF SERVEY UNC)	pray'
	IN DANNATONC PREDOMINANTLY DOLED CON (SP (11) D - WEDN IS COM (WAY)	I the second
	TOP 2" AND BOTTOM 12"; FIRM; SIMILAR TO CONNE DART ABOVE; WHIPY CLAY INTERED ARE REDUCED TO CREENISH IN BLEACHED AREAS	20
1	LIZT 9.6-12 87.0 (NOTE REDUCTION FEATURES)	
3:1:::	IL NUNYSTONE AND STATSTONE . VALCIERTIED GRAVING DED I TO ALAL AND DARK	
-1.6177	III L'ASTRAT ACTIVITATION STATY SECTIONS LIGHT ALLE ALLE ALL MEDIAL	
- mining	ALL SIMILING TO CONTRACT THE CONTROLOGY (10/R: 8/2); ALL FIRM; BEDDED TENDENICY:	· · ·
	CLAY STRINGERS; ALSO TOP OF THIS UNIT IS GEESNISH ROWSING WITH GEENNIS	A
1		
	SILTSIBNE GRADING DOWNWHED TO SANDSIDNE: TOP 25' MOTTLED GRAVING ECD (SE 4)	(c),
Juni 1	(SR 6/2) NOTTED LIGHTER AND LIGHTALIAN (SY 7/6); REMAINDER MOSTLY PALERS	P
100	TOWARD BASE: FIRM: MASSIVE BRAVE TOWNWARD TO GRAVISH PINK (SR 0/2)	
4	A THE THE THE CALLEDUS AS INDICATED NAME LIMINING PA	INT
1		
3	CLAYSTONE MUSTLY MEDIUM GRINY (15); STURY SECTIONS LIGHT OLING GRAY (SYGH)	
	1.1. 3.0 41212.0	
4: 1: 1:	SANDSTONS; GRAVISH PINK (SR 7/2) GRADING DOWNLINGTO TO PAGE FOR	
	TO THE THE THE LOWISH DERY (EVALLY IN IN IN THE DART'S EIGHT	1 1 1 2 S
1: ::::	THIN BEDDED; QUARTEDSE, CLAVEY, CALCAELDUS, CAREWACEDUS AS INDICATED	
1:51	SILTSTONE; CREENISH CRAY (564611); FIRM; VERY CLANEY	
51	in a start of the	
7:::::		
3		and the second second
4 1	1312.5-1383.2 NOTE: SO CALLED LIMONING MAY BE JAROSINE, ETC.	
3		
1:	SANDSTONE ; VERY LIGHT GRAY (N B) TO LIGHT GRAY (N T) TOP 20'; PALE FED (ION	6/2)
∃· ::' €	* NETT 17'. VERY LIGHT GRAY (118) TO YELLOWISH GRAY (547/2) NEXT 12'; BASHO	
11.2.1	AND ORANGISH COLORS ADD I MANAGE (10 YR B/2) ; YELLOWISH	
3	BEPPED TO MASSINE; GENERALLY WALL STORT, MATTERY THIN, THIN	
4::::1		
1:: : : : E	(ARTIND CLAY GALLS); MORE CALCAREDUS THAN UP.DID. ESP. WHITTEN LIMY	
1	(RETURN CHEER CALLS !); THERE FACE ARE EVES ATTAN UP. DID ESP. WHITSHE LIMY	
31 = = = =	SPOTS TOWARD BASE; PRESUMABLY CARBONACEOUS of INDICATED; NOT SO MUCH EVIDENCE OF "ESDUCTION" ALONG MARGINS AND INTERNALLY	
1.1	1383.2 · 1385.2	
0.1.9.W.	CLAY CALL CAUGUE CALLS COLOR	
10.0.1	DOWNWARD TO OLING GRAY (54 4/1); LOCALLY CRAYISH RED (5R 4/2). RIVING WAY	
1	1335.2-13944	
31.1.1	SANDSTONE; TOP 1/2 PD GRAVISH RED (SR 2/2) WITH LIGH POR STREAM ; REMAINDIST	
1222		
	GRAINED : BLEACHED PORTIONS NOTICHDALY FULL SOTED MEDILM	and the second states
AE	ONLY FAINT REDUCTION ABOUND MARGINS AND INTERNALLY	
-	1344.4 - 1399.0	
3		
3	CLAYSTONE AND SILTSTONE PREDOMINANTLY GRAVISH RED (SE 4/2) LOCHLY	
3 . L · L	UNRIGHTINTED GREESNISH GRAY (5 GY GH). SILTY PORTIONS LIGHT OLILOF GRAY (5Y 6/1); FIRM MASSING TO DEDDED. NOTE , UNLEST CORE JUNDLED	•
I I E	CLAYSTONE IS REDOISH PATHER THAN CREENING BENERTH BLEACHED	
E	SANDSTONE NEXT ABOVE	
=		
JL		
311		***************************************
3	EMANNOTE: LATTE FOUND ANOTHOR BOX WITH '2' CORE SIMILAR TO	
-	UNIT LAST POSCALED	
E		
3		
A	. It is a submitted a submitted a submitted and and a submitted and a submitted and a submitted as a submitted	
1. 11. 1		

DEPTH STRIP LITHOLOGY LOG ANALYSIS OR RADIOACTIVITY Z 1209.0-1212.0 INTERBEDDED SILFSTONE; SANDSTONE, CLAYSTONE; ESSENTIALLY GRAVISH RED 1.0 20 (SR 4/2) WITH RANDOM WHITSH SPOTS; FIRM; TONDENCY TOWARD CRINKLY BEDDING; GLAYEY, QUARTZOJE; ALL CALCAREDUS, ESP. WHITE SPOTS :: Ľ. · · 1. 1212.0 - 12 20.5 (NOTE FEDURED MARGINE AND INTERINE) BANDSTONE; GRAVISH-ORANGE PINK-(10 R- 8)=), FIRM-MASSILE TENDENCY. WELL SOMRED; MEDIUM GRAINED; SUBANGULAR TO SUBROWDED; QUARTZOJE; CALCAREDUS, ESP. UPPER PART; LOCAL BLACK SPORT; WHISPY GREENISH CLAYSPONE : . 1.. :: 4` : :: SANDSTONE; PALE ORANGISH (IOR 6/5); COLOR MAD RE. TYPE GRADE A 171 = 60 FROM ABOVE I FIRM; MASSIVE TENDENCY; WELL SCRED; MEDIUM GRAINED SUBANGULAR TO SUBTIVNDED; OUMETOOSE; TRACE PARO, TOW ARD TOP z SANDSTONE; VERY LT. GRAV (N 8.5); VERY CALCAREOUS; OTHERWISE AS 12120-1220-5 1231.0-1233.0 CLAYSTONE AND SILTSTONE; MOIRY DUSHY RED (SR S/4) VARIETATED MAD BANGED LIGHT 'OLINE GRAY (SY 4/1); FIRM; THIN-BEDDED TENDEN(Y; SOME-INTERDEDS-STRUNGLY - CALCAREOUS HOTE: ABOUE AND IN OTHERE CLEES BLERCHING AT TUP AND BUTTEN 20. NOTE: INTERVAL NOT LOGGED IS ALL STAILAR TO UNITS NETT ABOVE 00 1220.0- 1378.0 INTERBEDDED SILTSTONE, SANDSTONE, AND CLAYSTONE; MOSTLY PALE RED (SEGL); SPARSE IPREFAULTIC WHITTISH SPOTS; FIRM; CRIMILY BEDDED TENDENCY; QUARTEDES HND CLAYEY; WHITTISH SPOTS LERY CALCAREDUS 20 SANDSTONE; YELLOWISH GRAY (SY B/1); FIRM; MASSINE; WELL SOFTED; MEDIUM REAINED; SUBANGUMIT TO SUBROUNDED; QUMATZOINE; CHICAREDUS. UPDER AND LOWER CONTACTS INDICATE WHITE AFTERPOD; FREELE EDDENIE OF REDUCT. SIMILAT TO UNIT 2ND ABOVE, BUT SANDIEZ - AND WITH MEEE BLEAT (HING ... 1332.7-1335.8 (HITE UNDVESTION REDUCTION ASSOC. W/ BLETCHING AT BASE) 1-1-SANDSTONE OVERALL PALE RED (SR G/3) BUT MOTTLED LIGNTER AND DATTACK BASAL A" IS GRAVISH OF ANGE PINK (10 R B/2); FIRM; MASSILE WELL SOFTED; WEDING GRAINED; SUBANGERAM TO SUBROUNDED; QUARTEOSE; CALCAREDUS ESPECIALLY WHERE BLEDICHED; PERFECT GREEN RINDS AROUND RED CLAY GALL OSING 1763 : 4 . . .7 1.8 CLAYGALL CONGLOMERATE; MOSTLY GRAVISH RED (SR 4/2) WITH LIGHTER STRINGERS; FIRM; BEDDED TENDENTY; LOCALLY CALEMIREDUS -NOTE: GEORGENTA TOP THO BOTTON 1.0 1.0 .1 = 8: 1337.0-1330.0 SANDSTONE GENDING DOWNWARD TO CLAYGALL CONGLOMERATE; VET CONSIST GENY (SY B/1); FIRM; MASSIVE; ETC. AS ABOVE; CLAY CALLS GEOGRAFIT (REDUCED) AT THE CLAYGALL CONGLOMERATE AS UNIT 2ND ABOUS, TIMY GTZ-AL-FILLED REDDE (1340.0-1342.4-(HOTT. AITD. TOR JAN DOTTON, AS OLIFUMENTS). SANDSTONE; MEDIAL PORTION PALE RED (SR 6/5); TOP AND BOTTOM VERY LT. GRAY (NB); SIMILATE TO CONTREPORTS; CALCAREDUI, ETP. TOP AND BOTTOM ÓŌ 01111 23 CLAYGALL CONGLOMERATE AS UNIT ZND ABOUG; RECENISH (REDUCED) @ TOP 1342.4 - 1354.8 ... 20 -/// SANDSTONE; CENERALLY PALE RED (10R 6.5/S) BUT BANDED LIGHTER AND DARNER. SANDSTONE; OF MODERATE YELLOW (5Y 7/G) E. 1344'; BASAL 3" PINTISH GRAY (5 YR B/1); FIRM; THINBEDED; CLAYEY AND OLMATIONE; CALCHAREOUS AS INDICATED; PEFINITE CARBON TRAM AT TOP; CLAY GALLS REDUCED IN BASAL BLENCH 12 1354-8-1355.3-SILTSTONE; GRANISH RED (SR 4/2); FIRM; MASSINE; CLAYEY; MICACEDUS 1.7.7 1355.3- 1374.8 120 SANDETONE; PREDOMINANTLY PALE RED (SR 6/4), BUT GRAVISH ORANGE ~ ? PINK (5 YR G /c) 1370-1372' AND MINUTE WHITTSH BLOTHEN, ESP. TOWARD BISED FIRM; MASSING TO THIN BEDDED; DISTINIT K-BEDDING MEDIALLY; GENERALLY WELL SOMTED; MEDIUM GRAINED: QUIARTZOSE; CLAYEY AND CALCAREDUS AS INDICATED; POSSIBLE CARBON TRASH int 0:0:0:2 1374.8-1378.0 (CLAYSTONE; GRAYISH RED (SP 4/2) GRADING DOLUMIUMED THROUGH GREENIA (REAY (SAY GII) AND LIGHT OLIVE REAY (SY G/1) TO MEDIUM GRAY (N G); (FIRM; MASSIVE TENDENCY; SILSY; MEDIAL LIMESTONE AS INDIIARED ··· ··. 00 1378.0-1427.0

1. 40 11 1.1. 60 NOTE: INTERVAL NOT LOGGED IS ALL STAILAR TO UNITS NEST ABOVE AND BELOW 60 1.1 00 1220.0- 1378.0 INTERBEDDED SILTSTONE, SANDSTONE, AND CLAYSTONE; MOSTLY PALE RED (SELL); SPARSE IRECTURATE LUMITISH SPOTS; FIRM'; CRINKLY BEDDED TENDENCY; QUARTEDE AND CLAYEY; WHITTSH SPOTS VERY CALCAREOUS 1328.0 - 1329.8 20 SANDSTONE; YELLOWISH GRAY (5Y B/1); FIRM; MASSINE; WELL SOFTED; MEDIUM REAINED; SUBANGUMIT TO SUBROUNDED; QUMETEOILS; CHUCAREDUS. UPDER AND LOWER CONTACTS INDICATE WHITE AFTERPOD; FREBLE EDIDENCE OF REDUCT. 3 SIMILAR TO UNIT- 2ND ABOVE, BUT-SANDIES AND WITH MERE BLOACHING 1-1-1-1 1332.7-1335.8 (NOTE UN QUESTION REDUCTION ASSOC. - BLETTCHING AT BASE) SANDSTONE OVERALL PALE RED (SE 6/3) BUT MOTTLED LIGHTER AND DARNER. BASAC A" IS GRAVISH OF ANGE PINK (10 R B/2); FIRM; MASSINE WELL SOUTED; MEDI-M GRAINED; SUBANGUSAN TO SUBPONDED; OUARTSOSE; CALCAREOUS ESPECIALLY WHERE BLEACHED; PERFECT GEEEN RINDS AROUND RED CLAY CALL BOAR 3.0 1111 9.8 60 12.7 die ie i 35.8 CLAYGALL CONGLOMERATE; MOSTLY GRAVISH RED (SR 4/2) WITH LIGHTER STRINGER; " FIRM; BEDDED TENDENLY; LOCALLY CALLAREDUS -NOTE: GERNUN TOA AND BOTTOM CLAYGAL 17.0 0 97 8: 40.0 00 1337.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-1338.0 137.0-138.0 trial la 42.4 -1338.0-1340.0 CLAYGALL CONGLOMERATE AS UNIT 2ND ABOUG; TINY QTZ-KL.FILLED GEODE (1340.0- 1342:4- (NOTO: ALTO. TOP AND BOTTOM, AS BLIGGANTING). SANDSTONE; MEDIAL PORTIN PALE RED (SR 4/2); TOP AND BOTTOM VERY AT. GRAY (NB); SIMILATE TO CONNEST PRATT; CALCAREDUS, ETP. TOP AND BOTTOM 00 14.0 ٠. 1342.4-1343.4 55.3 CLAYGALL CONGLOMET ATT AS UNIT ZND ABOUG; RECENISH (REDUCED) @ TOP 20 1342.4 - 1354.8 -/// SANDSTONES CENERALLY PALE RED (105 65/5) BUT BANDED LIGHTED AND DARAGE. DEERTONES OF MODERATE VELICUL (547/6) E. 1344'; BASAL S" PINATISH CARY (542 B/1); FIRM; THINDEDDED; CLAYEY AND GUMERTONE; CALENTEDUS AS INDICATED; PEFINITE CARBON TRAM AT TOP; CLAY FALLS REDUCED IN BASAL BLEMAN 17 1354.8-1355.3 SILTSTONE; GRANISH RED (SR 4/2); FIRM; MASSILE; CLAYEY; MICACEDUS 4.0 1355.3- 1374.8 SANDETONE; PREDOMINIARLY PALE RED (SR 6/4), BUT GRAVISH ORANGE A.A PINK (5 YR E 12) 1370-1372' AND MINUTE WHITTEH BLEACH, ESP. TOWARD DIED 0.078 60 FIRM: MARSING TO THIM BEDDED, DISTURCE K-SEDDING MEDIALLY, RENETALLY WELL SOFTED; MEDIUM GRAINED OUGETIOSE, CLAVEY AND CALCAREDUS AS INDICATED; POSSIBLE CARBON TRASH 61374.8-1378.0 · · · · · · 60. CLAYSTONE; GRAVISH "RED (SP 4/2) T. RADING DOWNLOARD THROUGH GREENIA GRAY (SAY GII) AND LIGHT OLIVE GRAY (SY G/1) TO MEDIUM GRAY (N G); FIRM; MASSIVE TENDENCY; SILSY; MEDIAL LIMESTONE AS IN DIMATED 7 00 1378.0-1427.0 SANDSTONE; BANDED COLORS; PALE RED (SRG/2) GRADING TO GRAVISH ORANGE, TOP 9'; BLACMISH RED (SR 2/2) NEXT 2' CELAY GALL CONGLAMETAR); ORANGE, TOP 9'; BLACMISH RED (STE 2/2) NEXT 2' (CENT, UNC. COD (SR. 6/2) GRAYISH DERNGE (10 YE T/4) WI SOME DINK NEVE B'; PALE-RED (SR. 6/2) KEET II'; CRAYISH ORANGE NETE G'; PALE FOD (SR 6/3) NETE II' REAL II'; CRAYISH ORANGE NETE G'; PALE FOD (SR 6/3) NETE II' GRAYISH ORANGE NETE '; NISED BEROW (SR 6/3) NETE II' CENERALLY KEEL SOED; MOTTY MEDIUM GRAINED; CARBONACEDUS HAD CONCERNLY KEEL SOED; MOTTY MEDIUM GRAINED; CARBONACEDUS HAD ·.:= 20 -: <u>1</u>.9 ELRYEY AS INDICATED; OURRIZOSE; CONSPICUOUSLY LESS CALCAREOUS art of THAN CLEREE ATTRES THIS PROFILE $(\gamma, N_{1,2})$. . 1.2.10