Scale 1:240 Imperial

Well Name: Palkowitsh #1-2

Surface Location: 970' FNL _1296' FEL Sec 2-18S-34W

Bottom Location:

API: 15-171-21028-00-00

License Number:

Spud Date: 2/12/2014 Time: 15:00

Region: Scott County

Drilling Completed: 2/22/2014 Time: 08:48

Surface Coordinates:

Bottom Hole Coordinates:

Ground Elevation: 3097.00ft K.B. Elevation: 3106.00ft Logged Interval: 3800.00ft

To: 5000.00ft

Total Depth: 5000.00ft Formation: Mississipian

Drilling Fluid Type: Chemical/Fresh Water Gel

OPERATOR

American Warrior Company: Address: 3118 Cummings Rd

Garden City, KS

Kevin Wiles Contact Geologist:

Contact Phone Nbr: 620-275-2963 x 306 Well Name: Palkowitsh #1-2

> Location: 970' FNL _1296' FEL Sec 2-18S-34W API: 15-171-21028-00-00

Pool:

Field: Wildcat

State: Country: USA Kansas

LOGGED BY



Company: Shelby Resources, LLC Address: 445 UNION BLVD. Suite 208

LAKEWOOD, CO. 80228

Phone Nbr: 203-671-6034

Logged By: Geologist Name: Jeremy Schwartz

NOTES

The American Warrior Palkowitsh #1-2 was drilled to a total depth of 5000', bottoming in the Missippian.

Three DST's were conducted in the Marmaton/Pawnee, Cherokee, and Johnson zones. The DST reports can be found at the top of this log.

Due to the DST results, sample shows, and log analysis it was determined to set 5 1/2" production casing and furthur test the Marmaton through perforations and stimulation. It should also be noted that log analysis of the Lansing "J" warrants testing before well abandonement. The dry samples were saved and will be available for furthur review at the Kansas Geological Society Well Sample Library, located in Wichita, KS.

Respectfully Submitted, Jeremy Schwartz/Macklin Armstrong Geologists

CONTRACTOR

Contractor: Duke Drilling Co.

Rig #:

Rig Type: mud rotary

Spud Date: 2/12/2014 Time: 15:00 TD Date: 2/22/2014 Time: 08:48 Rig Release:

Time:

ELEVATIONS

K.B. Elevation: 3106.00ft K.B. to Ground: 9.00ft Ground Elevation: 3097.00ft

American Warrior

Daily Drilling Report

DATE	7:00 AM DEPTH	REMARKS
02/17/2014	3950'	Geologist Jeremy Schwartz on location @ 0530hrs, ~3920', DRLG ahead through Heebner, Toronto, Lansing, Muncie Creek, Lansing "H", Stark Shale, Hushpuckney,
02/18/2014	44201	DRLG ahead through Base KC, Marmaton, CFS @ 4540', Resume DRLG, CFS @ 4576', Resume DRLG, CFS @ 4615', Short trip, strap out, drop survey, Conduct DST #1 across Marmaton/Pawnee formations
02/19/2014	46151	Successful test, CTCH 1hour, DRLG ahead through Ft. Scott, Cherokee, CFS @ 4700', Conduct DST #2 in Cherokee,
02/20/2014	4700	Successful test, CTCH 1hour, DRLG Ahead through Johnson, CFS @ 4795',
02/21/2014	47951	Conduct DST #3 in Johnson, DRLG ahead, CFS @ 4824', Geologist Mac Armstrong on location ~ 1745hrs, DRLG ahead through Morrow, CFS @ 4850', CFS @ 4867', CFS @ 4880', DRLG ahead through Mississippian,
02/22/2014		Geologist Jeremy Schwartz off location @ 0030hrs, DRLG ahead through Mississippian to TD @ 5000', Conduct Logging Operations

American Warrior Well Comparison Sheet

DRILLING WELL						COMPARIS	SON WELL		COMPARISON WELL						
		Palkowita	sh #1-2		Parker O - Franklin #1				New Gulf - Brothers #1						
	NW SW NE NE Sec. 2-T18S-R34W				C NW NE Sec. 3-T18S-R34W				SE SW NE SW Sec. 34-T17S-R34W						
					Structural					Structural					
	3106	KB			3120	KB	Relati	onship	3134	KB	Relation	onship			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log			
Heebner	4011	-905	4011	-905	4007	-887	-18	-18	4012	-878	-27	-27			
Toronto	4030	-924	4028	-922	4024	-904	-20	-18	4030	-896	-28	-26			
Lansing	4058	-952	4058	-952	4054	-934	-18	-18	4058	-924	-28	-28			
Muncie Creek	4246	-1140	4244	-1138	4249	-1129	-11	-9	4247	-1113	-27	-25			
Lansing "H"	4258	-1152	4255	-1149	4268	-1148	-4	-1	4261	-1127	-25	-22			
Stark Shale	4348	-1242	4350	-1244	4358	-1238	-4	-6	4352	-1218	-24	-26			
Hushpuckney	4391	-1285	4394	-1288	4404	-1284	-1	-4	4395	-1261	-24	-27			
Base KC	4470	-1364	4470	-1364	4484	-1364	0	0	4475	-1341	-23	-23			
Marmaton	4507	-1401	4504	-1398	4517	-1397	-4	-1	4508	-1374	-27	-24			
Pawnee	4586	-1480	4586	-1480	4597	-1477	-3	-3	4588	-1454	-26	-26			
FT Scott	4615	-1509	4614	-1508	4629	-1509	0	1	4615	-1481	-28	-27			
Cherokee	4625	-1519	4623	-1517	4638	-1518	-1	1	4623	-1489	-30	-28			
Johnson	4712	-1606	4709	-1603	4731	-1611	5	8	4714	-1580	-26	-23			
Morrow	4785	-1679	4783	-1677	4806	-1686	7	9	4798	-1664	-15	-13			
Mississippian	4864	-1758	4862	-1756	N	ot Reache	ed		4854	-1720	-38	-36			
Total Depth	4999	-1893	5000	-1894	4892	-1772	-121	-122	4950	-1816	-77	-78			



American Warrior

3118 Cummings Rd.

P.O. Box 399 Garden City KS 67846 ATTN: Jeremy Schwartz Palkowitsh 12

2-18s-34w Scott Co KS

Job Ticket: 56747 DST#: 1 Test Start: 2014.02.19 @ 04:28:15

GENERAL INFORMATION:

Formation: Marmaton-Pawnee

ft (KB) Conventional Bottom Hole (Initial) Deviated: No Whipstock: Test Type:

Time Tool Opened: 06:56:30 Tester: Mike Roberts

Time Test Ended: 12:42:45 Unit No: 65

4460.00 ft (KB) To 4615.00 ft (KB) (TVD) Reference Bevations: 3102.00 ft (KB) Interval:

Total Depth: 4615.00 ft (KB) (TVD) 3097.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 5.00 ft

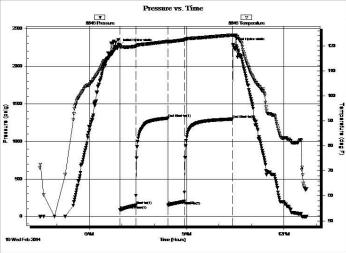
Serial #: 8846 Inside

201.10 psig @ 4466.00 ft (KB) 8000.00 psig Press@RunDepth: Capacity: Start Date: 2014.02.19 End Date: 2014.02.19 Last Calib.: 2014.02.19 Start Time: 04:28:15 End Time: 12:42:45 Time On Btm: 2014.02.19 @ 06:56:15

Time Off Btm: 2014.02.19 @ 10:26:00

TEST COMMENT: IF:Built to 1/2" blow

IS:No return blow FF:Built to 1" blow FS:No return blow



	PRESSURE SUMMARY									
-	Time	Pressure	Temp	Annotation						
	(Min.)	(psig)	(deg F)							
	0	2274.11	120.02	Initial Hydro-static						
	1	88.34	119.45	Open To Flow (1)						
	30	150.04	119.76	Shut-In(1)						
_	90	1308.88	121.73	End Shut-In(1)						
Temperature (deg F)	90	153.31	121.24	Open To Flow (2)						
	120	201.10	122.34	Shut-In(2)						
8	209	1297.70	124.28	End Shut-In(2)						
J	210	2285.47	124.22	Final Hydro-static						

Recovery Description Length (ft) Volume (bbl) 62.00 ocm 30%m 70%o 0.87 124.00 ocm 20%o 80%m 1.74 62.00 w com 5%w 25%o 75%m 0.87

Gas Rates									
		Choke (inches)	Pressure (psig)	Gas Rate (MMcf/d)					
	1		The supplemental of the war of w						

Trilobite Testing, Inc Ref. No: 56747 Printed: 2014.02.19 @ 13:22:13



DRILL STEM TEST REPORT

American Warrior

3118 Cummings Rd. P.O. Box 399

Palkowitsh 12

2-18s-34w Scott Co KS

Job Ticket: 56748

Garden Oty KS 67846 ATTN: Jeremy Schwartz

Test Start: 2014.02.20 @ 02:09:15

Unit No:

GENERAL INFORMATION:

Formation: Cherokee

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 06:48:45 Tester: Mike Roberts

Time Test Ended: 12:18:00

4640.00 ft (KB) To 4700.00 ft (KB) (TVD) Interval:

4640.00 ft (KB) (TVD) Total Depth:

3097.00 ft (CF) Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 5.00 ft

Serial #: 8846 Inside

8000.00 psig Press@RunDepth: 37.51 psig @ 4645.00 ft (KB) Capacity: 2014.02.20 Start Date: 2014.02.20 End Date: Last Calib.: 2014.02.20

2014.02.20 @ 06:48:30 Start Time: 02:09:15 End Time: 12:18:00 Time On Btm:

Time Off Btm: 2014.02.20 @ 10:25:45

65

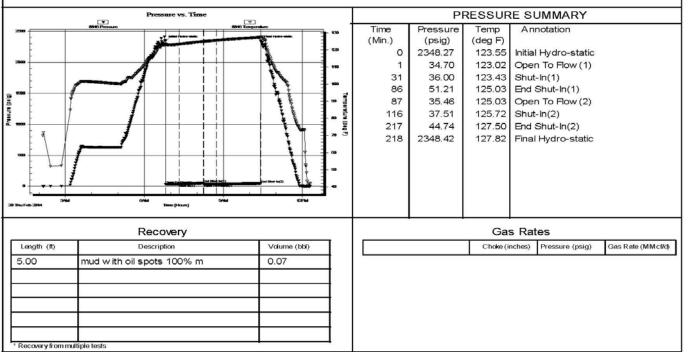
3102.00 ft (KB)

DST#: 3

Reference Bevations:

TEST COMMENT: IF: Built to weak surface blow that died in 20 min.

IS:No return blow FF:No blow FS:No return blow



Trilobite Testing, Inc. Ref. No: 56748 Printed: 2014.02.20 @ 12:58:14



DRILL STEM TEST REPORT

American Warrior 2-18s-34w Scott Co KS

3118 Cummings Rd. Palkowitsh 12 P.O. Box 399 Job Ticket: 56749

Garden City KS 67846 Test Start: 2014.02.21 @ 02:36:15 ATTN: Jeremy Schwartz

Time Off Ptm:

GENERAL INFORMATION:

Formation: Johnson

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Reset)

Time Tool Opened: 04:51:15 Mike Roberts Tester:

Time Test Ended: 10:30:45 Unit No:

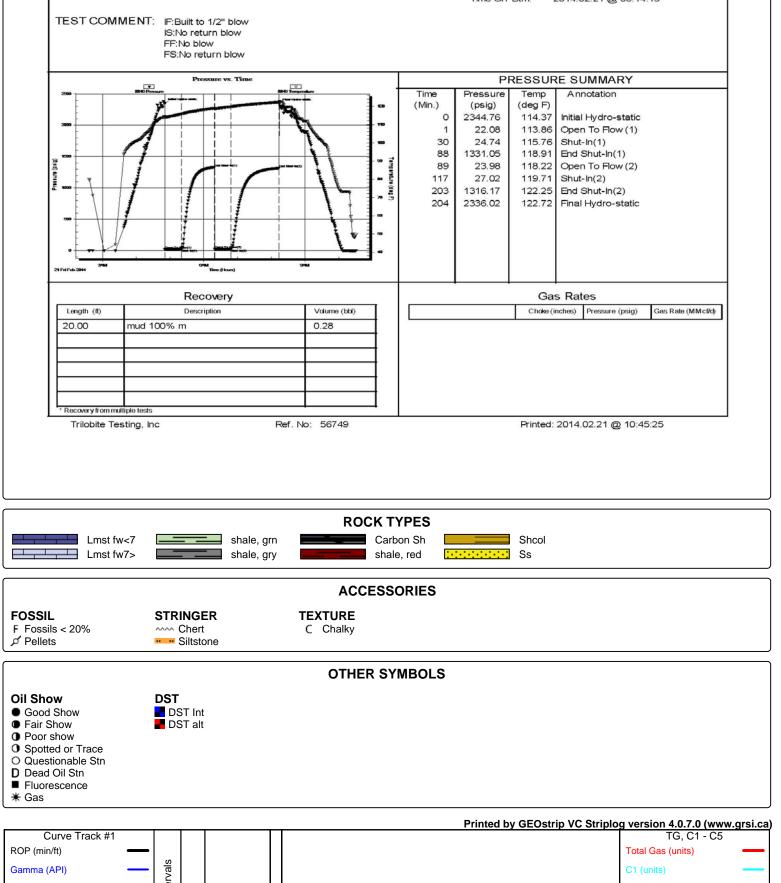
4720.00 ft (KB) To 4795.00 ft (KB) (TVD) 3106.00 ft (KB) Interval: Reference Bevations:

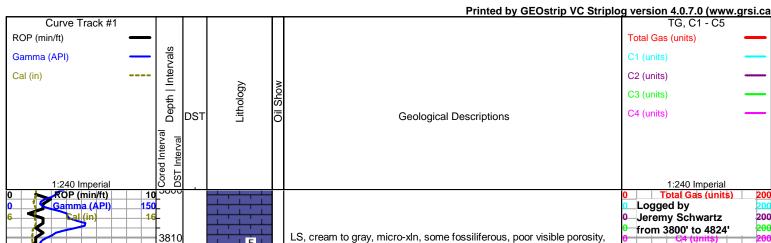
4795.00 ft (KB) (TVD) 3101.00 ft (CF) Total Depth:

Hole Diameter: 7.88 inchesHole Condition: Fair KB to GR/CF: 5.00 ft

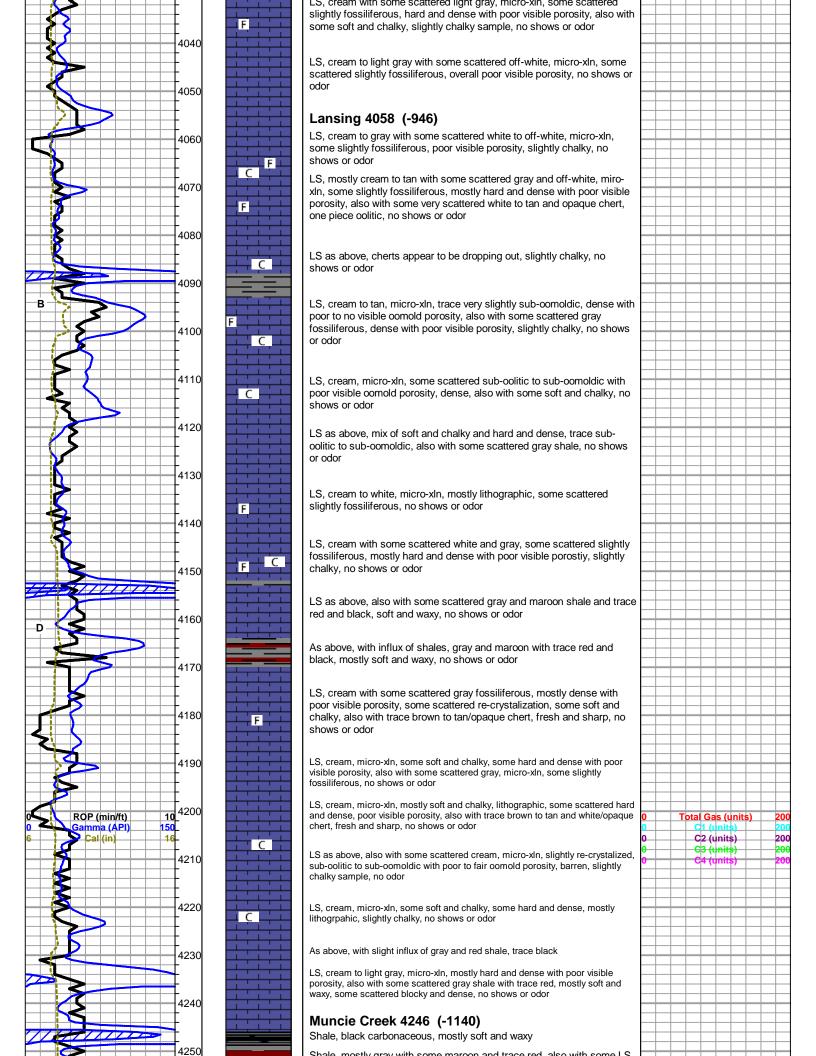
Serial #: 8846 Inside

Press@RunDepth: 27.02 psig @ 4725.00 ft (KB) Capacity: 8000.00 psig Start Date: End Date: 2014.02.21 2014.02.21 Last Calib .: 2014.02.21 Start Time: End Time: 2014.02.21 @ 04:51:00 02:36:15 10:30:45 Time On Btm:





	1 1 1	also with some scattered red shale, no shows or odor			-	Ŧ	-			
		also min some coanciou isu chalo, no cheno di caci			\pm	\pm				
2000			\vdash	\dashv	+	+	+	\vdash	-	+
3820		As above		_	#	丰	\mp			\Rightarrow
	- F			+	+	+	+	\vdash	+	+
		LS, cream to gray, micro-xln, some fossilifeorus, poor visible porosity,	-	\neg	\mp	\mp	\perp		-	\perp
3830		no shows or odor			\pm	\pm	士			
	- 		\vdash	+	+	+	+	\vdash	-	+
					丰	\pm	士			
3840	- 	As above	\vdash	\dashv	+	+	+		+	+
					#	#	\perp			
	II F II	LS, cream to gray, micro-xln, some fosssiliferous, poor visible porosity,		\dashv	\pm	\pm	\pm			_
3850		slightly chalky, no shows or odor	\vdash	-	+	+	+			-
	C	5 , , , , , , , , , , , , , , , , , , ,		\Rightarrow	士	士				
		LS, cream to gray with some gray mottled, micro-xln, some scattered	\vdash	\dashv	+	+	+	\vdash	-	+
3860		with slightly re-crystalized edges, poor visible porosity, no shows or odor		-	\mp	\mp	\mp			\blacksquare
					\pm	\pm				
	F		\rightarrow	+	+	+	+	\vdash	-	+
3870		LS, as above, some very scattered fossiliferous, slightly chalky, no		_	7	#	\mp			\perp
33.9		shows or odor		_	\pm	\pm				
	- C -		\dashv	1	7	\mp	+	Н	\blacksquare	+
3880		As above, also with some scattered gray and black shale, mostly soft			士	士	士			\perp
3000		and waxy, some blocky and dense, no shows or odor	\vdash	+	+	+	+	\vdash		+
		10		#	丰	丰	丰			\Rightarrow
King Hill 3890	F	LS, mostly cream with some gray, micro-xln, some with slight edge re- crystalization, some scattered fossiliferous, dense with poor visible		_	\pm	士	\pm			
3890		porosity, no shows or odor	\Box	Ŧ	\mp	\mp	+		\top	\Box
		•		\pm	\pm	\pm	\pm			
	 	LS, mostly cream with some scattered gray and trace brown, micro-xln,	\vdash	+	+	+	+	\vdash	\dashv	+
3900	+ + + + +	mostly dense with poor visible porosity, no shows or odor			丰	丰	\pm			\Box
	C			\dashv	\pm	+	+			+
	F	As above alightly shallow as above or odor	-	\neg	\mp	\mp	-		-	\blacksquare
3910		As above, slightly chalky, no shows or odor		\Rightarrow	士	士	\pm			
			\vdash	+	+	+	+	\vdash	\dashv	+
	F	LS, mostly cream with some scattered gray, micro-xln, some scattered		\dashv	#	丰	#			\perp
3920		fossiliferous, mostly dense with poor visible porosity, no shows or odor			\pm	\pm	\pm			
			-	-	+	\mp	-			
	 			\Rightarrow	丰	\pm	丰			
3930			\vdash	\dashv	+	+	+		+	+
	C	LS, cream to tan, micro-xln, some soft and chalky, some hard and dense with poor visible porosity, slightly chalky sample, no shows or		_	#	#	#			
		odor			\pm	\pm				
3940			\vdash	\dashv	+	+	+		+	+
				_	#	\mp	#			\perp
		LS as above, also with trace black shale		\dashv	\pm	\pm	\pm			_
3950		I.S. groom to tan with some light grov micro vin some soft and challed	\vdash	+	+	+	+	\vdash	+	+
		LS, cream to tan with some light gray, micro-xln, some soft and chalky, some hard and dense with poor visible porosity, also with some very		#	丰	丰	丰			二
		scattered black shale, no shows or odor		_	\pm	\pm	\pm			
3960			H	7	\mp	\mp	\mp		7	\blacksquare
	F	LS, cream, micro-xln, some scattered fossiliferous, mostly hard and			士	士	士			\perp
		dense with poor visible porosity, no shows or odor		_	\pm	+	+			+
3970				7	7	7	\mp			\blacksquare
		10			\pm	士	\pm			
		LS, cream, micro-xln, some soft and chalky, some hard and dense with poor visible porosity, slightly chalky sample, no shows or odor	\vdash	+	+	+	+	H	+	+
3980		poor visible persons, originary entains sample, 110 shows or oddi	H	#	#	丰	丰		1	\Rightarrow
3000					\pm	\pm	\pm			
		As above	\vdash	1	\bot	+	+	+	$-\Gamma$	+
3990		AN ADOVE	\Box	#	丰	丰	丰		_	井
		LS, cream, micro-xln, some soft and chalky, some hard and dense with	\vdash	\dashv	+	+	+	\vdash	\dashv	+
	 	poor visible porosity, slightly chalky sample, no shows or odor	-	\dashv	\mp	\mp	-			
0 POP (min/ft) 10 4000				#	#	#	土			
0 ROP (min/ft) 10 4000 0 Gamma (API) 150				_	Γot	tal (Gas (units	5)	200
6 Cal (in) 16	1 1 1 1		0		#	C2	(unit	s)		200
4010		Heebner 4011 (-905)	0		士	C3	(unit	\$)		200 200
4010		Shale, black carbonaceous, soft and waxy	\vdash	+	+	Ŧ	(4.11)	,	-	-
		S. a.s, black darbonacodd, dok and wany		#	丰	丰	#			\Rightarrow
4020					\pm	\pm	\pm			
4020	F.		\dashv	Ŧ	\mp	Ŧ	+	\Box	-	+
	C			#	丰	丰	丰		\Rightarrow	二
1000		Toronto 4030 (-924)		_	\pm	\pm	\pm	\perp		\pm
4030		I C arram with come acettared light areas micro str. come acettared	口		工	工				\top



		Shale, mostly gray with some maroon and trace red, also with some LS, cream, micro-xln, hard and dense with poor visible porosity						
		oream, miloto xin, mara and dense with poor violate percenty		H	\mp	H		\blacksquare
H) 4260					\pm			\Box
	F	LS, cream, micro-xln, some soft and chalky, some hard and dense with poor visible porosity, very scattered slightly fossiliferous, no shows or						
		odor		\vdash	+		-	+
4270					\mp			
		LS as above	_	\vdash	+		++	+
4280	F				+			
	1 1 1 1				+			+
4290		LS, cream, micro-xln, some hard and dense, some soft and brittle, also			\mp			$\overline{}$
	F	with some scattered light gray to light brown, some fossiliferous, hard						
	F	and dense with poor visible porosity, slightly chalky, no shows or odor						
4300			_		+		+++	+
	 	I.C. mostly come as above found 2 abins aroom misro via out activity			\perp			\perp
	 	LS, mostly same as above, found 2 chips cream, micro-xln, sub-oolitic with poor visible porosity, with very scattered trace dead black residual			\pm			
4310	F	to tarry, wet black stain, very slow weak to no cut with dull						
		fluorescenece, no odor in cup		H	+	H	+	+
	F	LS, cream with some scattered light gray and light brown, some		\vdash	#	\dashv	1	\blacksquare
4320		fossiliferous, hard and dense with poor visible porosity, no shows or			士			
		odor		\vdash	\pm		$\pm \pm$	
		LS, cream, micro-xln, oomoldic, some dense, some brittle, with poor		H	+	H	+	+
4330		visible inter-oomold porosity, mostly barren, few chips with scattered		\Box	1	T.		
		tarry, clingy, wet black stain in oomolds, and slight black stain on edges in some, fair cut with dull fluorescence, slight show free oil in tray, poor		\pm	+			
		fleeting odor in cup		\vdash	+	\vdash	+	+
4340					-			
	1 1 1 1	Stark Shale 4348 (-1242)			\pm			
4350		• •			\pm			
4350		Shale, black carbonaceous, blocky and dense, some soft and waxy			+			
					\mp			
4360		LS, cream to gray with some brown, micro-xln, some oomoldic with poor $$			\pm			
	F	visible oomold porosity, some fossiliferous, hard and dense with poor visible porosity, no shows or odor						
		visible porosity, no snows or odor			+			
4370	F				+			
		LS, cream to light gray with some scattered brown, micro-xln, mostly			\pm			
		hard and dense with poor visible porosity, some scattered soft and			\pm			+
4380		chalky, slightly chalky sample, no shows or odor			+			
5					\pm			\Box
					\pm			
4390	+ + + + + +	Hushpuckney 4391 (-1285)			+			
		Shale, black carbonaceous, soft		\Box	\mp			
	F	LS, cream with some scattered light gray, micro-xln, some soft and		Ħ	#	T.	\Box	\Box
0 10 (min/ft) 10 4400		chalky, some fossiliferous, hard and dense with poor visible porosity, no shows or odor	0	Tot	al Ga	s (un	its)	200
0 (damma (API) 150		SHOWS OF OUCH	0	\vdash	C1 (L	nits) inits)		200 200
	F	LS as above, slightly chalky sample, no shows or odor	0	H	C3 (t			200
4410		The second secon	0	\Box	C4 (t	mits)		200
		LS, cream with some gray and brown, some fossiliferous, mostly hard		\perp	\pm	\perp		
4400	F	and dense with poor visible porosity, some very scattered with slightly			\pm			
4420		re-crystalized edges, some soft and chalky, no shows or odor			-			
	- C				\pm			\Box
4430					#			
7450		As above, with trace white to opaque chert, fresh and sharp, no shows			+		-	+
	1 1 1 1	or odor			\perp		\blacksquare	=
4440					\perp			
		LS, cream with some gray and brown, some slightly fossiliferous, mostly			\pm			
	C	hard and dense with poor visible porosity, some soft and chalky, slightly chalky sample, no shows or odor		H	+	H	$+$ \mp	+
4450	F	origing campio, no onomo of odor		\dashv	+	\Box		\blacksquare
				\parallel	#	\Box		\Rightarrow
4460		LS as above, also with some scattered gray and maroon shale			+			+
		2 South of gray and maron ondio		Ħ	#	Ħ		\Box
	+ + + + +	D 40 4470 (400)		\parallel	\pm	\parallel		
4470		Base KC 4470 (-1364)	\vdash	\vdash	\pm			+

