OPERATOR American Warrior, Inc. 3118 Cummings Rd		
PO BOX 399 Garden City, Ks 67846 Kevin Wiles		
Flying V #3-5 Twin		
Sec. 5 - T15S - R41W 15-199-20425-00-00		
Kansas	Field: Country:	Okeson Northwest USA
Scale 1:240 Imperial		
Flying V #3-5 Twin		
10/8/2014	Time:	2:00 PM
10/16/2014	Time:	8:04 PM
337' FSL & 2550' FEL		
3756.00ft		
4000.00ft	To:	5300.00ft
5300.00ft Morrow		
Chemical/Fresh Water Gel		
SURFACE CO-ORDINATE	S	
Vertical		
337' FSL 2550' FEL		
LOGGED BY		
Keith Reavis		
Consulting Geologist		
Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530		
620-617-4091 Logan Walker	Name:	Logan Walker
CONTRACTOR		
Druke Drilling CO,. Inc.		
mud rotary		
10/8/2014 10/16/2014	Time: Time:	2:00 PM 8:04 PM
	Time:	
ELEVATIONS		
	d Elevation:	3756.00ft
13.00ft		
	American Warrior, Inc. 3118 Cummings Rd PO BOX 399 Garden City, Ks 67846 Kevin Wiles 620-271-4407 Flying V #3-5 Twin Sec. 5 - T15S - R41W 15-199-20425-00-00 5929 10/8/2014 Vallace 10/16/2014 337' FSL & 2550' FEL 3756.00ft 3769.00ft 4000.00ft 5300.00ft Morrow Chemical/Fresh Water Gel SURFACE CO-ORDINATE Vertical 337' FSL 2550' FEL 2550' FEL Consulting Geologist Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 Logan Walker CONTRACTOR Druke Drilling CO,. Inc. 9 mud rotary 10/8/2014 10/16/2014	American Warrior, Inc. 3118 Cummings Rd PO BOX 399 Garden City, Ks 67846 Kevin Wiles 620-271-4407 Flying V #3-5 Twin Sec. 5 T15S - R41W 15-199-20425-00-00 5929 10/8/2014 Time: Wallace 10/16/2014 Time: 3756.00ft 3769.00ft 3769.00ft 4000.00ft 5300.00ft Morrow Chemical/Fresh Water Gel SURFACE CO-ORDINATES Vertical 337' FSL 2550' FEL LOGGED BY Keith Reavis, Inc. 3420 22nd Street Great Bend, KS 67530 620-617-4091 Logan Walker Name: CONTRACTOR Pruke Drilling CO,. Inc. 9 mud rotary 10/8/2014 Time: 10/16/2014 Time: 10/16/2014 Time: Pruke Drilling CO,. Inc. 9 mud rotary 10/8/2014 Time: 10/16/2014 Time:

A Bloodhound gas detector operated by Bluestem Environmental was employed on the well. ROP & Gas curves were imported into the log as well as GAMMA-Caliper from E-log suite.

The samples from this well were saved and will be available for review at the Kansas Geological Survey well sample Library located in Wichita, Ks.

Respectfully submitted, Logan Walker

American Warrior, Inc. daily drilling report

DATE	7:00 AM DEPTH	REMARKS
10/13/2014		Geologist Logan Walker on location @ 0730 hrs, 4300 ft, drilling ahead Short trip and change bit from PDC Bit to Button Bit, resume drilling
10/14/2014	4765	drilling ahead the Cherokee, Morrow shale, Morrow Sand
10/15/2014	5008	Drilling ahead the Morrow sand, Morrow Lime, bit trip @5096, resume drilling
10/16/2014	5200	mud pump broke down @5200 0700 hrs, resume drilling 1345 hrs, TD @5300 2004hrs TOH w/bit
10/17/2014	5300	loggers onsite 0100hrs, loggers offsite 0630, geologist offsite 0630

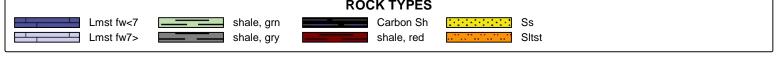
American Warrior, Inc. well comparison sheet

		DRILLING W				COMPARIS				COMPARIS				
		Flying V	V #3-5	100100221		Flying	V #1-5			Blaesi #4-6				
	3	337' FSL &	2550'	FEL		SW SW SW			1	NW SW SE	SE			
		Sec 5-T155	5-R41W			Sec 10-T	2S-R36W			Sec 6-T1	5N-R41W			
							Struc	tural			Structural Relationship			
	3769	KB			3765	5 KB	Relati	onship	3780	KB				
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log		
Lansing	4208	-439	4209	-440					4207	-427	-12	-13		
Marmaton	4556	-787	4559	-790					4558	-778	-9	-12		
Pawnee	4652	-883	4644	-875					4648	-883	0	8		
Cherokee	4707	-938	4708	-939	4703	-938	0	-1	4716	-951	13	12		
Morrow Shale	4944	-1175	4920	-1151	4939	-1174	-1	23	4945	-1180	5	29		
Morrow Sand	4965	-1196	4960	-1191	4954	-1189	-7	-2	4958	-1193	-3	2		
Morrow Lime	5052	-1283	5037	-1268	5032	-1267	-16	-1	5055	-1290	7	22		
Mississippian	5099	-1330	5079	-1310					5117	-1352	22	42		
Total Depth	5300	-1531	5224	-1455	5104	-1339	-192	-116	5200	-1435	-96	-20		
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	DRILLING WELL Flying V #3-5 337' FSL & 2550' FEL Sec 5-T15S-R41W					Blaes	SON WELL i #2-6 SL & 450' SN-R41W Structur	COMPARISON WELL Blaesi #1-6 2490' FSL & 1370' FEL Sec 6-T15N-R41W Structural				
	3769	KB			3772	KB	Relation	1993	3782	KB	Relation	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Lansing	4208	-439	4209	-440					4214	-432	-7	-
Marmaton	4556	-787	4559	-790	4553	-781	-6	-9	4564	-782	-5	1
Pawnee	4652	-883	4644	-875	4635	-863	-20	-12	4651	-869	-14	1
Cherokee	4707	-938	4708	-939	4701	-929	-9	-10	4710	-928	-10	-1
Morrow Shale	4944	-1175	4920	-1151	4938	-1166	-9	15	4950	-1168	-7	1
Morrow Sand	4965	-1196	4960	-1191	4948	-1176	-20	-15	4986	-1204	8	1
Morrow Lime	5052	-1283	5037	-1268	5042	-1270	-13	2	5042	-1260	-23	1
Mississippian	5099	-1330	5079	-1310					5096	-1314	-16	
Total Depth	5300	-1531	5224	-1455	5120	-1348	-183	-107	5150	-1368	-163	-8

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		DRILLIN	G WELL			COMPARIS	SON WELL			COMPARI	SON WELL					
	Flying V #3-5						Blaesi #5-6				Gebhards #1-6					
		337' FSL	& 2550'	FEL		1179' FS	L & 1523	FEL		2100' FN	NL & 1360	' FEL				
		Sec 5-T15	S-R41W			Sec 6-T1	55-R41W			Sec 6-TI	15S-R41W					
							Structur	al			Structur	al				
	3769	KB			3792	KB	Relation	ship	3788	KB	Relation	nship				
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log				
Lansing	4208	-439	4209	-440	4224	-432	-7	-8	4220	-432	-7	1				
Marmaton	4556	-787	4559	-790	4570	-778	-9	-12	4569	-781	-6	1				
Pawnee	4652	-883	4644	-875	4662	-870	-13	-5	4658	-870	-13	-				
Cherokee	4707	-938	4708	-939	4730	-938	0	-1	4720	-932	-6	-				
Morrow Shale	4944	-1175	4920	-1151	4955	-1163	-12	12	4944	-1156	-19	2				
Morrow Sand	4965	-1196	4960	-1191	4968	-1176	-20	-15	4958	-1170	-26	-2				
Morrow Lime	5052	-1283	5037	-1268	5066	-1274	-9	6	5054	-1266	-17	-				
Mississippian	5099	-1330	5079	-1310	5130	-1338	8	28	5119	-1331	1	2				
Total Depth	5300	-1531	5224	-1455	5200	-1408	-123	-47	5250	-1462	-69	10				
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ACCESSORIES

MINERAL

FOSSIL

o Oolite

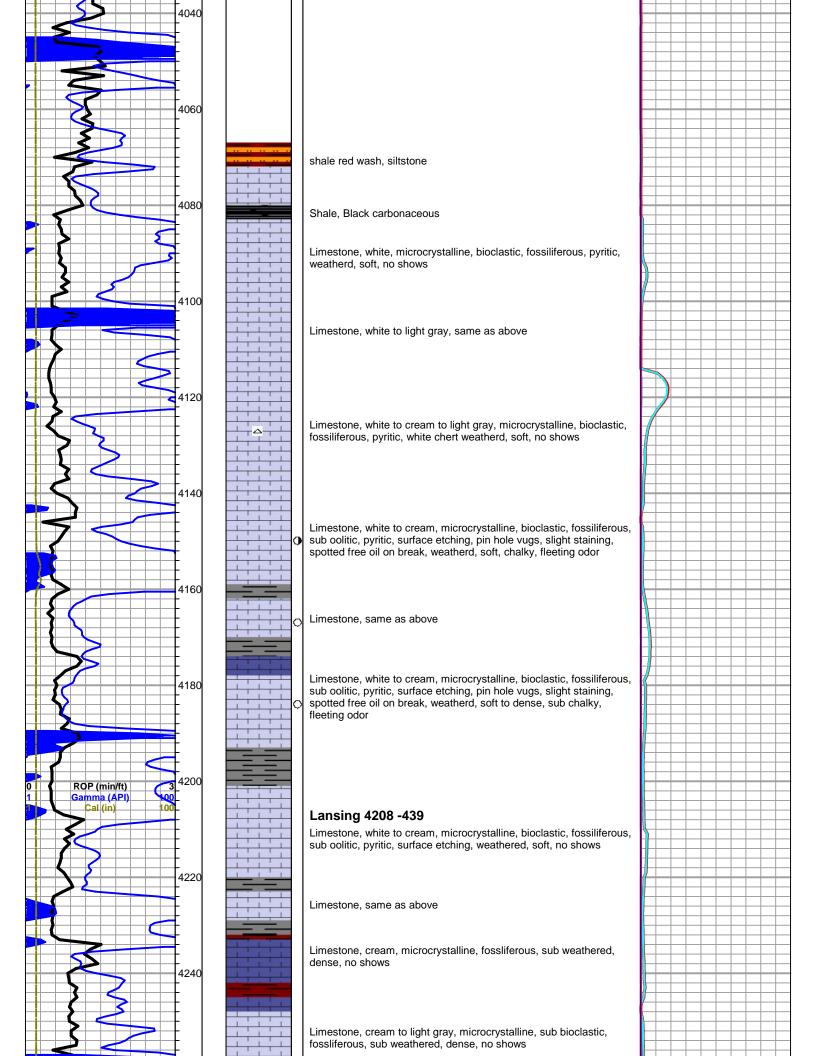
STRINGER ---- Sandstone

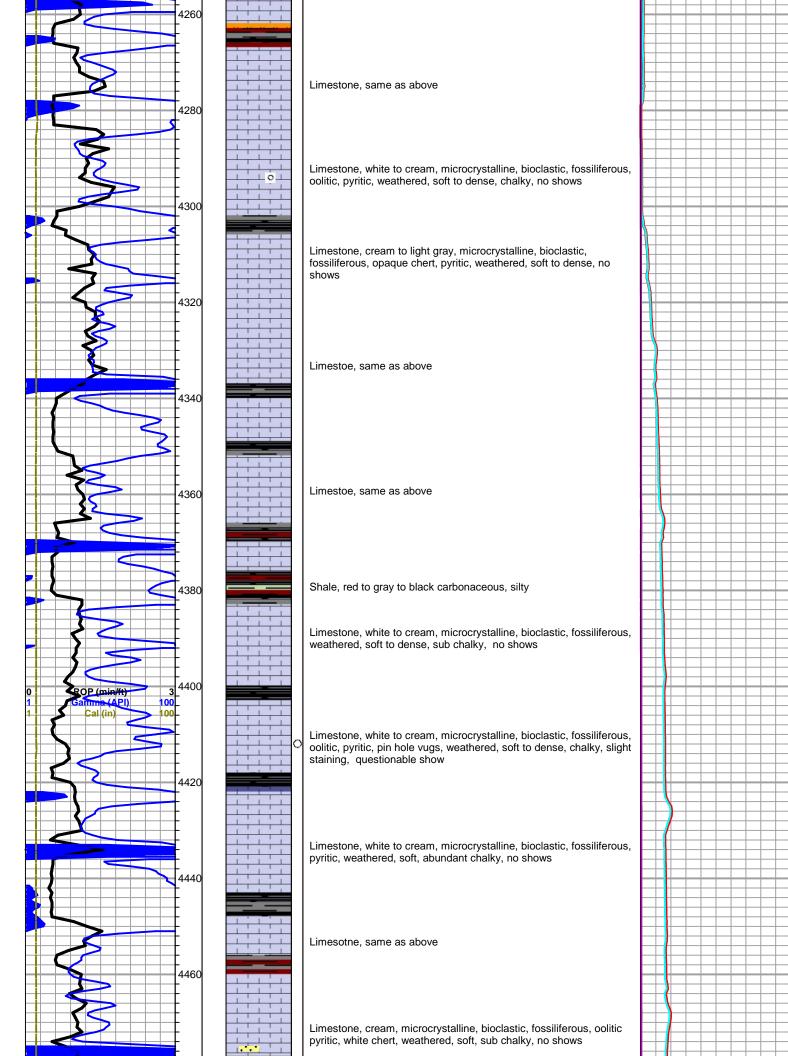
△ Chert White

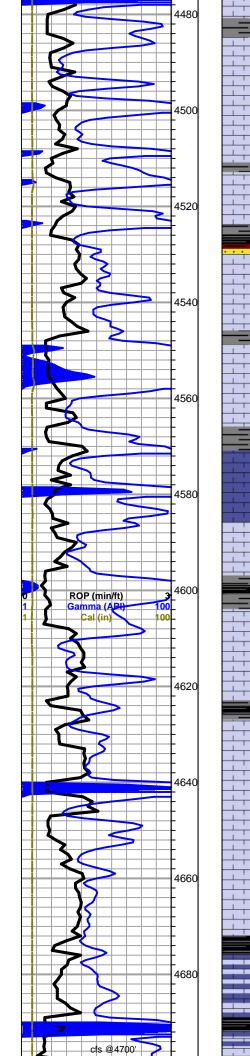
🗶 Gas

OTHER SYMBOLS Oil Show DST DST Int Good Show DST alt Core tail pipe Fair Show Poor Show O Spotted or Trace O Questionable Stn D Dead Oil Stn Fluorescence

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca) TG, C1 - C5 Curve Track #1 ROP (min/ft) Total Gas (units) Depth | Intervals C1 (units) Gamma (API) Cal (in) C2 (units) Lithology Oil Show C3 (units) DST **Geological Descriptions** C4 (units) Cored Interval **DST** Interval 1:240 Imperial 1:240 Imperial OP (min/ft) PI 100 100 4020







Limestone, same as above

Limestone, same as above

Shale, red to gray to black carbonaceous, sandy, sitly

Limestone, white to cream, microcrystalline, bioclastic, fossiliferous, pyritic, white chert, weathered, soft, sub chalky, no shows

Marmaton 4556 -787

Limestone, same as above, brown chert

Limestone, cream to light gray, microcrystalline, fossilifeous, salmon chert, weathered, soft to dense, chalky, no shows

Limestone, cream to light gray to tan, microcrystalline, bioclastic fossilifeous, oolitic, weathered, soft to dense, no shows

Limestone, white to cream, microcrystalline, bioclastic fossilifeous, oolitic, weathered, soft to dense, chalky, no shows

Limesstone, cream to gray, microcrystalline, bioclastic fossilifeous, recrystallized fossils, gray to white chert, soft to dense, chalky, no shows

Pawnee 4652 -883

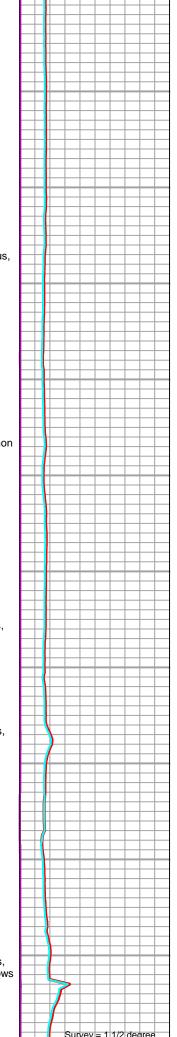
Limesotne, same as above

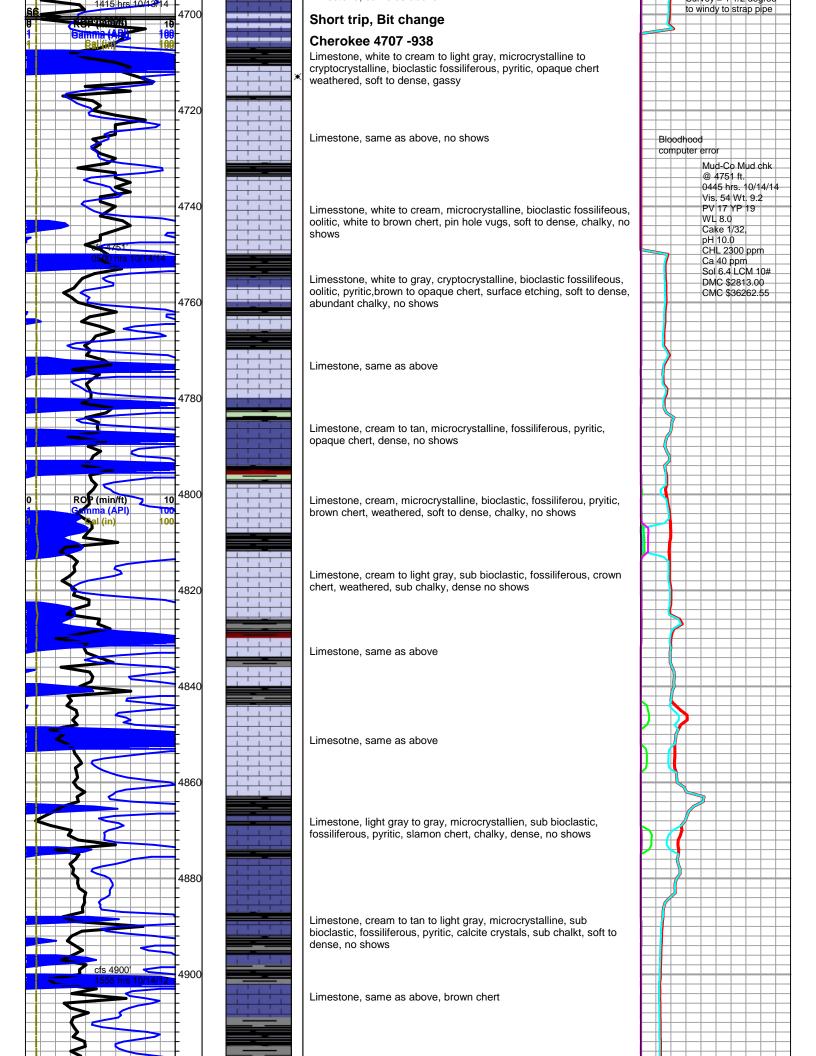
Limestone, same as above, brown chert

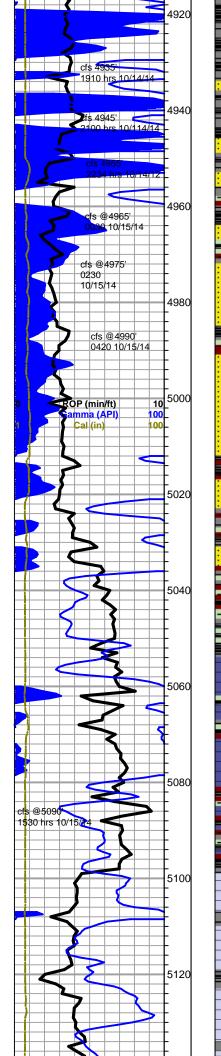
Black carbonaceous shale

Limesstone, cream to gray, microcrystalline, bioclastic fossilifeous, oolitic, gray chert, soft to dense, abundant gas buubles, no oil shows

Limestone, same as above







Sandstone, clear to cloudy, sub rounded sub angular, well cemented, fair sorting, no shows

Morrow Shale 4944 -1175

Sandstone, cloudy, sub rounded sub angular, well cemented, fair sorting, pyritic gluaconite, dirty with fragments, no shows

Mud-Co Mud chl @ 4990 ft.

Vis. 60 Wt. 9.3

CHL 2000 ppm

Ca 40 ppm Sol 7.2 LCM 8# DMC \$1545.55 CMC \$37808.10

PV 17 YP 22 WL 7.2 Cake

pH 9.0

bypassed gas jar at sample

> Bit change survey = 1 Degree

box

0545 hrs. 10/15/14

Morrow sand 4965 -1196

Sandstone, clear to cloudy, sub rounded sub angular, well cemented, fair sorting, pyritic gluaconite, dirty with fragments, no shows

Sandstone, clear to cloudy to gray, sub rounded sub angular, well cemented, fair sorting, pyritic gluaconite, dirty with fragments, no shows

Sandstone, clear to cloudy to gray, sub rounded, sub angular, well cemented, fair sorting, pyritic gluaconite, dirty with fragments, no shows

Morrow Lime 5052 -1283

Limestone, white to cream, cryptocrystalline to microcrystalline, sub bioclastic, fossiliferous, sub oolitic, gluaconite, pyritic, surface etching, soft to dense, chalky, no shows

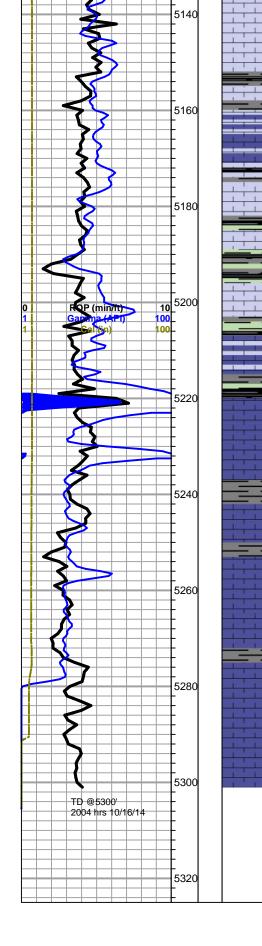
Limestone, white, cryptocrystalline, fossiliferous, pyritic, weathered, soft to dense, chalky, no shows

Mississippian Llme 5099 -1330

Limestone, cream, cryptocrystalline to microcrystalline, bioclastic, fossiliferous, pyritic, gluaconite, brown chert, weathered, soft to dense, sub chalky, no shows

Limestone, same as above, oolitic

Limestone, cream, microcrystalline, bioclastic, fossiliferous, oolitic, pyritic, gluaconite, brown to white chert, weathered, soft to dense, sub chalky, no shows



Limestone, cream, microcrystalline, sub bioclastic, fossiliferous, pyritic, gluaconite, white to orange chert, soft to dense, sub chalky, no shows

Limestone, same as above, sub oolitic

Limestone, white to cream, cryptocrystalline to microcrystalline, sub bioclastic, fossiliferous, sub oolitic, pyritic, gluaconite, white to opaque chert, weathered, soft to dense, sub chalky, sharp, no shows

Limestone, cream to tan, cryptocrystalline, sub bioclastic, fossiliferous, pyritic, white chert, soft to dense, sub chalky, sharp, no shows

Limestone, cream to tan, microcrystalline, sub bioclastic, fossiliferous, sub oolitic pyritic, opaque to white chert, weathered, soft to dense, sub chalky, sharp, no shows

Limestone, light gray to tan, microcrystalline, fossiliferous, oolitic, gray to opaque to white chert, pyritic, surface etching, dense, no shows

St.Louis 5222 -1453

Limestone, cream to light gray to tan, microcrystalline, fossiliferous, oolitic, oolitic chert, opaque to white chert, pyritic, gluaconite, calcite crystals, surface etching, soft to dense, no shows

Limestone, cream to light gray to tan, microcrystalline, fossiliferous, oolitic, white chert, pyritic, calcite crystals, surface etching, dense, no shows

Limestone, same as above

Limestone, tan, microcrystalline, fossiliferous, oolitic, white chert, pyritic, calcite crystals, surface etching, dense, no shows

Limestone, same as above

Limestone, tan to gray, microcrystalline, fossiliferous, oolitic, white chert, cubic pyritic, calcite crystals, surface etching, dense, no shows

TD @5300 2004 hrs Logged TD @5300

loggers offsite 0630 hrs 10/17/14

Geologist offsite 0630 hrs 10/17/14

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