Water Well Contractor's License No. 616 This Water Well Record was completed on (moldayin) 5/22/07 under the business name of Thiele Geotech, Inc. by (signature)

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SAIC MONITORING WELL/BORING LOG BORING/WELL No: SB-15/VSW-1 Pg. 1 of 2 DRILLER: Thiele Geotech HOLE DIAMETER: 10 1/4" POTHOLE METHOD: Water Knife/Vacuum Truck SVE WELL CASING: 2" SCH 40 PVC Former Texaco Bulk Terminal and Retail DRILLING METHOD: CME 55 - Hollow Stem Auger AS WELL CASING: 1" SCH 80 PVC Facility # 211441 SAMPLE METHOD: 2" by 2' split spoon SVE WELL SCREEN: 2" SCH 40 PVC 3503 North Vine Street DRILL BIT DIAMETER: 6 1/4" I.D. AS WELL SCREEN: 1" SCH 80 PVC Hays, Kansas DATE POTHOLED: 11/6/06 Slot Size: 0.020' DATE DRILLED: 11/7/06 SEAL TYPE: Granular bentonite & chips, Portland cement SAIC PROJECT #: WELL CONSTRUCTION 11/8/06 FILTER PACK: No. 10-20 Silica Sand 06-6818-00-8670-100 WELL DEVELOPMENT: N/A WELL COVER: 12" steel vault LOGGED BY: Brad Wolfinger GROUND ELEVATION: CASING ELEVATION: Field Screen PID (ppm) Head Space PID (ppm) Head Space FID (ppm) Counts UVIF Screening Recovery Water Level € Soil Type € uscs LITHOLOGY / DESCRIPTION Depth Depth Well Construction/Remarks Blow 0'-4" Concrete 1.8 71.4 Sand to 0.75' 4"-4' SILTY CLAY (CL), dark gray, medium plasticity, soft, moist, CL <=5% fine sand, slight HC odor. Trace gravel fragments. 1.9 10.3 Potholed to 8' Top of grout @ 3' 4'-6' NR NR CLAYEY SILT (ML), grayish brown, low-medium plasticity, 5-10% fine sand, moist, soft, no HC odors, wet @ 6'. 8.0 2.5 6'-16' CLAYEY SILT (ML), yellowish brown, firm, low 2.9 4.1 plasticity, <5% fine sand, no HC impacts, moist, sporadic Portland Cement & Bentonite Powder Grout 33% 1.3 NR 4.7 40.8 83 ML 10 93.75% 11 0.4 NR 4.9 68.1 12 %00 Hydrated Medium 13 3.8 NR 67.9 4.8 13 Bentonite Chips 8 14 14 Sand @ 14' %00 15 2,3,7, 1.2 NR 66.3 15 SVE Screened 15'-22' 6 16 16

22 –

17

19

20

21

16'-24'

SILTY CLAY (CL), brown, medium-high plasticity, <5% fine

sand, firm to stiff, moist, sporadic calcite inclusions

1.2

8.8

13.3

NR

NR

NR

7.5 70.1

9.3

63.8

CL

72.6

519.0

17 -

18

19

20

21

22 -

Sample SB15-S-(20'-22')

%00

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3,5,10,11

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*HC odor starting at 21'

2,4,8,12

SAIC. **MONITORING WELL/BORING LOG** BORING/WELL No: \$8-15/VSW-1 Pg. 2 of 2 DRILLER: Thiele Geotech HOLE DIAMETER: 10 1/4" POTHOLE METHOD: Water Knife/Vacuum Truck SVE WELL CASING: 2" SCH 40 PVC Former Texaco Bulk Terminal and Retail DRILLING METHOD: CME 55 - Hollow Stem Auger AS WELL CASING: 1" SCH 80 PVC Facility # 211441 SAMPLE METHOD: 2" by 2' split spoon SVE WELL SCREEN: 2" SCH 40 PVC 3503 North Vine Street AS WELL SCREEN: 1" SCH 80 PVC DRILL BIT DIAMETER: 6 1/4" I.D. Hays, Kansas DATE POTHOLED: 11/6/06 Slot Size: 0.020" 11/7/06 DATE DRILLED: SEAL TYPE: Granular bentonite & chips, Portland cement SAIC PROJECT #: WELL CONSTRUCTION 11/8/06 FILTER PACK: No. 10-20 Silica Sand 06-6818-00-8670-100 WELL DEVELOPMENT: N/A WELL COVER: 12" steel vault LOGGED BY: Brad Wolfinger GROUND ELEVATION: CASING ELEVATION:

Depth (ft.)	Blow Counts	% Recovery	LITHOLOGY / DESCRIPTION	Field Screen PID (ppm)	UVIF	Head Space PID (ppm)	Head Space FID (ppm)	Soil Type	nscs	Water Level	Depth (ft.)	Well Construction/Remarks
22 — 23 — 24 —	3,5,7,9	100.00%	*minor staining starting at 22'. Slightly gray. *slight increase in sand content at 22', 10-20% fine sand.	97.9	CaCO ₃ Inc. Glow	269.0	4161.0				22 — 23 — 24 —	Coated bentonite chips
25 —— 26 ——	1,2,4,4	400:001	24'-29.5' SILTY CLAY (CL), brownish gray, moist to wet, soft, high plasticity, strong HC odor, staining, 10-20% fine sand, much softer than 16'-24'.	1800.0	CaCO₃ Inc. Glow	989.0	5000 FO	CL			25 — 26 —	Sample SB15-S-(24-26')
27 —	2,3,3,6	100.00%	"sand seam at 28'10" ~1" thick. "sand seam at 27'1" ~2" thick, medium to coarse grained sand, 10-20% fine to medium grained sand in formation.	22.0	CaCO₃ Inc. Glow	47.9	519.0				27 —	Sand @ 26' AS Screened 27'-29'
28 — 29 —	0,2,2,3	100.00%	*sand seam at 28'6"-29'2", fine to coarse grained, wet.	23.1	CaCO ₃ Inc. Glow	37.8	312.0				28 —— 29 ——	Sample SB15-S-(28'-30')
30	1,2,2,2	100.00%	CLAYEY SILT (ML), brown, soft, moist to wet, high plasticity, no visible HC impacts or odors, <=5% fine sand, thin layer of gravel at 29.5': *sand seam at 31.5', ~1" thick, fine to medium grained.	25.6	NR	29.4	197.0	МL			30	Coated bentonite chips
32 — 33 — —	2,2,3,2	100.00%	Sairu Sealli et 31.3, 91 ulios, ilile to illeuturii grameu.	1.2	NR	45.5					33 —	Sand @ 32' AS Screened 33'-35'
34 —— 35 —— 36 ——	2.2,3,4	100.00%	34'-40' SILTY CLAY (CL), brown, wet, firm, high plasticity, 10-20% fine to medium sand, calcite inclusions no visible HC impact or odor. Few mafic, coarse grained minerals present.	6.1	NR	81.6	Dead Battery				34 —— 35 —— 36 ——	
37 —	2,2,4,6	100.00%		2.4	NR	43.9	on FID	CL			37 	Coated bentonite chips
39 —	0,4,5,8	100.00%	*Clayey sand layer 38-38.5'. *Coarse sand layer @39.5', ~2" thick.	9.5	NR	112.0					38	
41											41 —	
43 —											43	

Notes: