Wm Id 2

WATER WELL RECORD	Form WV	VC-5	Di	ivision of Wate	r Resources App. No),		
1 LOCATION OF WATER WELL:	Fraction			on Number	Township No.	Range Number		
County: FORD	SE 1/4 SE 1/4 NW			22	TZGS	R ZH DE DW		
Street/Rural Address of Well Location; from nearest town or intersection: If at					System (GPS) in	formation: (in decimal degrees)		
Hom hearest town of intersection. If at	Junior 5 additions, efficient	nere La				(in decimal degrees)		
			Eleva	ation:		••••		
2 WATER WELL OWNER: Jesse 1	+ withden				4, 🗌 NAD 83, 🔲	NAD 27		
The state of the s	d HAZO		Colle	<u>ction Method</u> : GPS unit (Mak	re/Model:)		
City, State, ZIP Code	*		Digital Map/Ph	oto, 🗌 Topographic	e Map, 🔲 Land Survey			
THE RESERVE A CONTRACT OF THE PROPERTY OF THE	se city ks 6	***************************************		ccuracy:	3 m, 3-5 m, 3	5-15 m, □>15 m		
WITH AN "X" IN 4 DEPTH OF	COMPLETED WELL		34	ft.				
SECTION BOX: Depth(s) Ground	Iwater Encountered ((1) Marie 15.	Test. It.	(2)	ft. (2	3) ft.		
N WELL'S STAT	IC WATER LEVEL		t. below	land surface r	measured on mo/da	ay/yr		
Pump	test data: Well watergpm. Well water	was was	ии Н	after	hours pump	oing gpm		
W NW NE - EST. YIELD E Bore Hole Diam	eter	134	ft., and	in.	to	ft.		
WELL WATER	TO BE USED AS: □	Public wa	iter supp	ly 🔲 Ge	othermal	njection well		
swse	☐ Feedlot ☐ O	oil field wa	ter suppl	y \square De	watering	Other (Specify below)		
	Industrial D bacteriological sample	omesuc-18 submitted	iwn & ga to Denari	iraen ⊌r Ma tment? □	Ves No	**********		
S If yes, mo/	day/yr sample was subn				100 = 110			
Water well disin	fected? ☐ Yes ☐ N	10						
5 TYPE OF CASING USED: Steel	PVC O				**4**			
CASING JOINTS: Glued Clar	nped Welded	Threade	d					
Casing diameter	7 It., Diameter	in O. 682	. to the /f	ft., Di	iameter	. in. to ft.		
TYPE OF SCREEN OR PERFORATION	MATERIAL:	240. 2	r103./1	i., wan unc	kness of gauge ive)		
☐ Steel ☐ Stainless Steel	₽ PVC		Other (Specify)		**********		
Brass Galvanized Steel SCREEN OR PERFORATION OPENING	None used (open holes APE:	le)						
Continuous slot Mill slot	☐ Gauze wrapped ☐	Torch cut	☐ Dri	lled holes	None (open hole	·)		
Continuous slot Mill slot Louvered shutter Key punched SCREEN-PERFORATED INTERVALS:	☐ Wire wrapped ☐	Saw cut	Oth	er (specify)		······		
SCREEN-PERFORATED INTERVALS:	From ft.	. to!.¢`	J	ft., From	ft. t	o ft.		
GRAVEL PACK INTERVALS:	From. 134 ft	. to!. ? ."	7 -	ft., From	ft. t	O ft.		
	From ft.	. to ,,		., ft., From	ft. t	o ft.		
6 GROUT MATERIAL: Neat ceme Grout Intervals: From	nt Cement grout	☐ Bento	mite [] Other				
What is the nearest source of possible conta			п. ю	П.,	From	. ft. toft.		
☐ Septic tank ☐ Lateral lin	es Pit privy	Livestock	pens	☐ Insecticide	storage Gothe	er (specify below)		
Sewer lines Cesspool Watertight sewer lines Seepage p	Sewage lagoon			Abandoned	water well	ma TUNT		
Direction from well	it Feedyard	Fertilizer s Distance		☐ Oil well/ga:	s well 2 1000			
FROM TO LITHOLOG		FROM	TO			GGING INTERVALS		
0 3 Topsoil		86	95	Sand		5:14		
3 35 clay		95	102	Silfy	clay			
35 39 Silf & clay 39 49 Clay		102	1//	clay	- 11/			
49 55 caliche		119	119	Sandy	silt clay			
55 58 clay	***************************************	122	135	Sand				
58 65 Caliche w/ 8	and			***************************************				
45 75 sand of sil	<i>-</i>			***				
75 81 Silt w/ clay 81 86 5:1+					***************************************			
7 CONTRACTOR'S OR LANDOWNER	'S CERTIFICATION:	: This wat	er well v	vas 🗷 constru	icted. \square reconstru	icted, or 🗀 plugged		
under my jurisdiction and was completed or	n (mo/day/year) Q!!!!!	ЭL.Ы a	nd this re	ecord is true to	the best of my kr	nowledge and helief		
Kansas Water Well Contractor's License N	7.1.2 This Wa	ater Well F	Record w	as completed	on (mo/day/year)	04/14/11		
under the business name of (a) Not Fu INSTRUCTIONS: Use typewriter or ball point pen.	PLEASE PRESS FIRMLY a	nd PRINT cl	early Ples	se fill in blanke	and check the correct	answers Send three conics		
(white, blue, pink) to Kansas Department of Health	and Environment. Bureau of	Water Geol	ogy Sectio	n 1000 SW/ Iac	bean St Suita 420 T	onaka Kanege 66612 1267		
Telephone 785-296-5522. Send one copy to WAT http://www.kdheks.gov/waterwell/index.html.	EN WELL UWNER and reta	ain one for	your recon	ds. Include <u>fee</u>	of \$5.00 for each <u>eo</u>	nstructed well. Visit us at		
KSA 82a-1212 Check: White Copy, Blue Copy, Pink Copy								



Borehole No. MW-19S

Page 1 of 2

Borehole Log

Project No.:

TXR0118

Location:

Dodge City, KS

Client:

Koch Nitrogen Company

Coordinates:

Not Yet Surveyed

Logged By:

Alex Rivera

Borehole Diameter:

6 inch

Drilling Company: Major Drilling

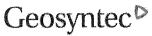
Site Datum:

Ground Surface Elevation: Not Yet Surveyed

Drilling Method: Rotosonic

Top PVC Casing Elevation:

Well	Well Material:		Not Applicable Compl		tion Date:			13 July 2011		
			Lithologic Description	Geolog			ogic Samples		Well Configu-	Comments
Depth (ft) Water Level (ft)	Stratigraphy	Unified Soil Classification		Recovery (%)	Blowcount	PID (ppmv)	Soil Sample ID	ration		
			Topsoil, brown, dry, loose							Grout (0-122 ft bgs)
10 15 20 25 30 40 45 50 50 50 50 50 50 50 50 50 50 50 50 50			Clay, trace caliche, dark brown to brown, dry, very stiff, low plasticity		NA					
15 - - 20			Brown, moist, soft to firm, low to medium plasticity Dry, firm, low plasticity	CL						
25			Trace caliche, firm to stiff Some silts		NA					
30			Trace caliche, very stiff							
35			Silt and clay, brown, dry, soft	CL ML						
40			Clay, some silts, dry, stiff, low plasticity Trace caliche, light brown	CL	NA					ki ki k
50	┪		Trace very fine sands <u>Caliche</u> , some clays, white, dry, firm							
55-			Clay, pale brown, moist, soft, high plasticity	СН						
60-			Caliche, some clays, pale brown, dry, firm Poorly graded sand with silt, light brown, dry, fine to very fine sands, some cementation	SP SM						
35 40 45 50 60 65			Caliche, sandy, white to pale brown, dry, hard Poorly graded sand with silt, some caliche, light to pale brown, dry, fine to very fine sands, moderate cementation	SP SM	- NA					



consultants

Borehole No. MW-19S

Page 2 of 2

Borehole Log

Project No.:

TXR0118

Location:

Dodge City, KS

Client:

Koch Nitrogen Company

Coordinates:

Not Yet Surveyed

Logged By:

Alex Rivera

Borehole Diameter:

6 inch

Drilling Company: Major Drilling

Site Datum:

Ground Surface Elevation: Not Yet Surveyed

Drilling Method: Rotosonic

Top PVC Casing Elevation:

Vell I	Mate	rial:	Not Applicable Complet	ion Dat	-		13 July 2	2011		
				Geologic Samples					Well Configu-	Comments
Depth (ft) Water Level (ft)	Water Level (ft)	Water Level (ft) Stratigraphy	Lithologic Description	Unified Soil Classification	Recovery (%)	Blowcount	PID (ppmv)	Soil Sample ID	ration	
-				SP SM						
75 			Silt and clay, trace very fine sands, brown, moist, soft	CL ML						
85			Silt, trace clays, tan brown, moist, firm	ML	NA					
80			Poorly graded sand with silt, brown, moist, loose, fine sands Clay and silt, some fine gravel caliche, brown, dry, stiff Caliche clay, pale brown, dry, firm, low plasticity	SP SM CL ML CL						
95			Clay and silt, some fine gravel caliche, light brown to medium brown, dry, firm Silt with clay, some caliche, brown, firm, dry Clay, some silts, trace caliche, light brown, dry, stiff, low plasticity	CL ML CL						
100			Silt and clay, trace caliche, light brown, moist, firm Medium brown, moist to dry Trace fine gravel caliche, light pinkish brown Clay, 40% silts, trace fine gravel caliche, light pinkish	CL ML						
105			brown, moist to dry, firm, low plasticity Some silts, light to pale brown, dry	CL	NA					
110			Sandy silt, light to medium brown, dry, firm, fine to very fine sands							
115			Light brown, moist, soft Sandy clay, trace silts, light brown, moist to dry, firm,	ML						
120			low plasticity Poorly graded sand, some clays, light brown, dry, fine to very fine sands, some cementation	CL	NA NA					Bentonite pelle seal
130				SP						<-5-ft well scree
135			Borehole depth 135.0 ft					dr 314***		from 129-134 bgs; silica san filter pack