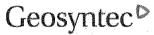
NW	01
'	

WATER WE	LL RECORD	Form W	WC-5	Di	vision of Wate	r Resources /	App. No.		
1 LOCATION	OF WATER WELL:	Fraction		Secti	on Number		No.	Range Numb	er E Talwer
County:	FOED Address of Well Location;	SW1/4 SW1/4 SW			/S al Positioning			R 24 DE	> FELAN
	town or intersection: If at							(in decimal o	degrees)
HOM nearest	ecover of micorsociton, is at	omiter o actions, since	Tomal V					(in decimal o	
				Eleva	ation:			•••	
A WW. L. POTTOTO STA. W. S. S.	PRINT W AND WEST BY STORY				n: WGS 8	4, 🗌 NAD	83, 🔲	NAD 27	
	4 1 1 D	I NITROGEN		Colle	ction Method:	8 x 1.1		e pip g nikim den mende engember.	
City, State, 2	Address, Box #:	1 HD 20						Map, 🔲 Land	
City, State, 2	Dobo	e city ES 6	1801	Est. A	ccuraev: [] <	3 m. 113-5	m. \square :	Map, ☐ Land 5-15 m, ☐ >15	Survey Sm
3 LOCATE WI	GLL -		4 - 20						
WITH AN "X	"IN 4 DEPTH OF	COMPLETED WEL	L		ft.				
SECTION BO	Depth(s) Ground	Iwater Encountered	(1)96	ft.	(2)	ft	. (3)	ft.
N	WELL'S STAT	IC WATER LEVEL		t. below	land surface i	neasured or	mo/da	y/yr	
	Pump	test data: Well water	er was	fl	t. after	hour	s pump	ing	gpm
NWN	EST. YIELD	gpm. Well wate	r was	,ft	. after	hour	s pump	ing	gpm
w	E Bore Hole Diam	eter		.tt., and	n.	10	ΙΙ	[. ination mail	
	* 1 1	TO BE USED AS:				othermal		jection well	halowi
SW S	SE Domestic Irrigation		Domestic-le	ner suppi	y De	watering mitoring we	an Line	mer (Specify	ociow)
	Was a chemical	bacteriological sample	e culmitted	to Denar	tment?	Ves II N	Jo	***	*******
Š	If was ma	day/yr sample was sul	hmitted	to txcpar	micar:	103	10		
1 mile		fected? Yes		*******	*******				
								- 	
5 TYPE OF C	ASING USED: Stee	PVC 🔘			*******	*****			
CASING JOIN	TS: Glued Clar	nped Welded	i nreade	30 4	a n	inmeter		in to	ę,
Casing diame	ter	Z II., Diameter		. 10 Z the		rameter knoog on oo	ngo Mo	111. 10	
	EEN OR PERFORATION				t., wan un	skiiess or ga	uge No		
☐ Steel	Stainless Steel	PVC	Г	Other (Specify)				
Brass	Galvanized Steel		iole)		~(p. w === 2)	***************************************			
SCREEN OR P	ERFORATION OPENING	SS ARE:							
Continu	ous slot	Gauze wrapped	Torch cut	☐ Dri	illed holes	☐ None (or	en hole)	
Louvere	ed shutter	Wire wrapped	Saw cut		ner (specify)	************			Δ.
SCREEN-PERI	FORATED INTERVALS:	From							
GP AV	EL PACK INTERVALS:								
GIGAY	TICLIACK HALFICALITY.	From	ft to		ft. From		ft. to)	ft.
6 GROUT MA	TERIAL: Neat cemi	ent Cement grout	t 🗆 Bento	onite [Other				
Grout Intervals:		Qft From	1	. ft. to	ft.,	From		ft. to	ft.
	est source of possible contr	amination:			*		,		
☐ Septic to	ank	nes Pit privy	☐ Livestock		☐ Insecticide		Othe	r (specify below	N).
Sewer li	nes	Sewage lagoon			Abandonec		#*** E	I Pu	Anit
☐ Watertig	ght sewer lines Scepage I m well Scepage I	it Feedyard	☐ Fertilizer		Oil well/ga	is well	C. Marie		
~~~				from w				COMO INTE	DITALE
FROM TO	LITHOLOG	iic log	FROM	TO		JG (cont.) <u>c</u>	*	GING INTE	RVALS
0 2	Topsoil		62	63	Elay		100	1-	
2 /3	Fat clay	······································	43	65		/ / 5 /	From		/ .
13 14	Caliche '	4	65	81	clay w/	'caliche	127	133 cla	
14 40	Fat clay		82	82	caliche	sand	133	135 56	<i>⊕</i> /€
40 53	Calibra		89	89 95	calich			ļ	
53 54	clay w/ Sans	4	95	102			ł	· · · · · · · · · · · · · · · · · · ·	
54 55		saud			Sand		<u> </u>		
55 59 59 61	Clay w/ call	che	102	122	51/4 w	1 sand	 	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·····
	Caliche	The state of the s	122	124	Clay	1000	 		· · · · · · · · · · · · · · · · · · ·
7 CONTRACT	Clay OR'S OR LANDOWNEI	DIS CEDITETOATIO		ter well v	SiH' w		constru	cted or Date	noced
under my luried	iction and was completed o	n (ma/dav/vear) R	118/11 Wa					rowledge and	
Kanese Water 11	Vell Contractor's License N	in (into/day/year)	Water Wall						oenet.
	ess name of .Ca.hanQu						03		
INSTRUCTIONS:	Use typewriter or ball point per	. PLEASE PRESS FIRML	Y and PRINT c	learly, Pie	ase fill in blanks	s and check the		answers. Send t	hree copies
(white, blue, pink)	to Kansas Department of Health	and Environment, Bureau	of Water, Geo	logy Section	on, 1000 SW Ja	ckson St., Suit	e 420, T	opeka, Kansas 6	6612-1367.
	-5522. Send one copy to WAT	ER WELL OWNER and	retain one for	your reco	rds. Include fee	e of \$5.00 for	each eo	nstructed well.	Visit us at
	gov/waterwell/index.html.			()	heck: WI	nita Conv	Dhi	e Copy, 🔲 I	Pink Copy
SA 82a-1212				C	HECK: 💹 WI	лье сору, [biu	c copy, 🔲 i	лик сору



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Borehole No. MW-01

Drilling Company: Major Drilling

Page 1 of 2

Borehole Log

Project No.:

TXR0118

Location:

Dodge City, KS

Client:

Coordinates:

Not Yet Surveyed

Logged By:

Alex Rivera

Koch Nitrogen Company

Borehole Diameter:

6 inch

Site Datum:

Ground Surface Elevation: Not Yet Surveyed

Drilling Method: Rotosonic

Top PVC Casing Elevation:

Well f	Viate	rial:	•	etion Date: 18 May 2011						
				Geologic Samples					Well Configu-	Comments
Mater Level (ft) Stratigraphy Stratigraphy	Unified Soil Classification	Recovery (%)	Blowcount	PID (ppmv)	Soil Sample ID	ration				
			Topsoil, medium brown, dry							Grout (0-112 ft
5			Fat clay, dark to medium brown, moist, soft, medium plasticity Stiff, low plasticity, 40% callche		100					bgs)
5 10			10% caliche	CL	75					
15			Caliche, white, moist, 20% clay Fat clay, dark to medium brown, moist, stiff, low							
20			plasticity, 15% caliche Medium plasticity Medium brown, low plasticity, 40% caliche 20% caliche 5% caliche		100					
25			Some sands, few silts	CL						
30					100					
35			Sandy clay, medium brown, low plasticity, very stiff							80000000000000000000000000000000000000
40			40% caliche <u>Caliche</u> , some fine sands, white, moist, firm		100					
45			40% medium brown fine sands some pockets of medium brown sandy clay							
50			40% medium brown fine sand trace fine sands Clay with sand, medium brown, moist, low plasticity,	CL	100					
55	4		\Soft \Caliche with sand, white, moist, hard Clay with caliche, light brown, moist, firm	CL						
60			Clay, some fine sand, medium plasticity <u>Caliche</u> , some fine sands, white, dry, very hard <u>Clay</u> , medium brown, dry, low plasticity, stiff <u>Caliche</u> , white, dry, very hard	CL	100					-Moderate rig chatter 55-65 f bgs
65			Clay with caliche, medium brown, moist, firm, 60% clay-40% caliche	3						
70			20% caliche	CL	100					

Geosyntec^D

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Borehole No. MW-01

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:

Well Material:		ıaı:	Not Applicable Completi	tion Date: 18 May 2011						
Depth (ft) Water Level (ft) Stratigraphy	1	Lithologic Description		Ge	ologic	Samples	Well		Comments	
	Stratigraphy		Unified Soil Classification	Recovery (%)	Blowcount	PID (ppmv)	Soil Sample ID	Configu- ration		
80-			Clay with sand>, trace silts, medium brown, moist, firm 30% caliche	CL	100					-Slight rig chatter 74-75 ft bgs
35 			Caliche, white, dry, hard Clay with sand, trace silts, medium brown, dry, firm Trace silts, light red-brown, moist, medium plasticity, soft	CL						
00			<u>Caliche</u> , white, dry, hard		100		244.00			
5			Sand with silt, trace clays, tan, moist	SP SM			A STATE OF THE STA			
			Silt with sand, trace clays, tan, moist, very fine sands	ML	100					Dontonito nell'
5			Red-brown Pockets of light green clays							 Bentonite pelle seal 5-ft well scree from 117-122 bgs; silica san
5			Clay, trace gravel (yellow), very light green, moist, medium plasticity, soft Silt with sand, red-brown, dry Red, moist, trace light gray clays Some light gray clays Clay, light gray, moist, medium plasticity, soft	ML	100					filter pack - Bentonite pelle
35			Very stiff Poorly graded sand, yellow, moist, very fine sands Shale, very dark gray, dry, very hard Borehole depth 135.0 ft	CL SP	/					backfill -Moderate rig chatter from 133-135
10 15 15		- Parking and the state of the		The state of the s	111111111111111111111111111111111111111					