County: HARVEY Fraction: SE SE SE Sec.	19 t 22 s R 3 PW
CORRECTION(S) TO WATER WELL COMPLETION (to rectify lacking or incorrect information) Owner: Equus Bads 6MD 2	
Location was listed as:	tion-changed to:-
Section-Township-Range:	
Fraction (¼ ¼ ¼):	
· /	de watering
(lithologic log also corrected, see attachment	
Changed to: Well use was Environmenta	l Remediation-
Recovers	
Comments: Well was used to withdraw	Contaminaled water.
5. 10. /10.	7 Jan and Mike Doch
Verification method: previous Equus hads 6MD 3	- Manger, Mice Many
	initials: 015 date: 2/21/2013
Submitted by: Kansas Geological Survey, Data Resources Library, 1930 Constant A to: Kansas Dept of Health & Environment, Bureau of Water, 1000 SW Jackson, Sui	Ave., Lawrence KS 66047-3726 / / ite 420, Topeka, KS 66612-1367.

	TER WELL:	Fraction	ER WELL RECORD F	orm WWC-		2a-1212	-
stance and direction				Se	ction Number		Range Number
		SE 1/		1/4	19	T 22 s	R 3 •₩
/	n from nearest tov	wn or city street	address of well if located	within city?			
6 miles	& 1 mile	West of	Burrton, KS				
WATER WELL O		ıs Beds G					
R#, St. Address, Bo		Spruce	,,			Board of Agriculture	Division of Water Resource
ty, State, ZIP Code		stead, KS	67056			•	
LOCATE WELL'S				226		Application Number: /ATION:	
AN "X" IN SECTION	DOCATION WITH	4 DEPTH OF	COMPLETED WELL	21	ft. ELE\	/ATION:	
	N	Depth(s) Groun	dwater Encountered 1.	· · · · /- · · ·	ft	. 2	3
!	!					surface measured on mo/day/yi	
NW	- NF	Pum	np test data: Well water	was	ft.	after hours po	umping gpi
		Est. Yield	OO. gpm: Well water	was	, ft.	after hours p	umping gpi
i		Bore Hole Diam	neterin. to.	22 <i>6</i>		, and	n. to
W	1	WELL WATER	TO BE USED AS: 5	Public wat	er supply	8 Air conditioning 11	Injection well
1 1		1 Domestic				9 Dewatering 12	Other (Specify below)
SW	SE	2 Irrigation	4 Industrial 7	Lawn and	garden only	10 Monitoring well Salt	water d
1 !		1 -	/hacteriological sample si	hmitted to D	enartment?	Yes, If yes	well T
		mitted	bactoriological campio of	John Cod to D		Vater Well Disinfected? Yes	V
TYPE OF BLANK	CASING USED	Linited	E Mrought iron				edX Clamped
		D \	5 Wrought iron	8 Conci			·
1 Steel	3 RMP (S	H)	6 Asbestos-Cement		(specify be	•	ded
2 PVC	4 ABS	. 220	7 Fiberglass			Thre	eaded
ank casing diamete	r	.in. to	ft., Dia	in. tc in. tc)	ft., Dia	. in. to f
			in., weight			s./ft. Wall thickness or gauge N	No • 455
PE OF SCREEN (R PERFORATIO	N MATERIAL:		7 P\	/C	10 Asbestos-cem	ent
1 Steel	3 Stainless	s steel	5 Fiberglass	8 RI	MP (SR)	11 Other (specify	1)
2 Brass	4 Galvaniz	zed steel	6 Concrete tile	9 AE	3S	12 None used (o	pen hole)
REEN OR PERFO	RATION OPENIN	IGS ARE:	5 Gauze	d wrapped		8 Saw cut	11 None (open hole)
1 Continuous sl	ot 3 M	fill slot	6 Wire w	rapped		9 Drilled holes	
2 Louvered shu		ey punched		• •			030
REEN-PERFORAT	ED INTERVALS:	From	20 ft. to	220	ft., F	10 Other (specify)	to
GRAVEL PA	ACK INTERVALS:	From	206 ft. to	226		rom ft.	to
		From	ft. to		ft., Fi ft., Fi ft., Fi	rom	to
		From	ft. to		ft., Fi ft., Fi ft., Fi	rom ft.	to
	L: 1 Neat o	From cement .ft. to . 206	ft. to		ft., F ft., F onite to	rom ft. rom ft. 4 Other ft., From	to
GROUT MATERIA out Intervals: Fro hat is the nearest s	L: 1 Neat o	cement ft. to206 contamination:	ft. to 2 Cement grout ft., From	3 Bento	ft., Fft., Fft., Fft., F onite to	rom ft. rom ft. 4 Other ft., From	to ft. to ft. to ft. to to the standard description of the
GROUT MATERIA out Intervals: Fro hat is the nearest s	L: 1 Neat of possible	real lines	ft. to 2 Cement grout ft., From 7 Pit privy	3 Bento ft.	ft., F ft., F ft., F onite to 10 Live 11 Fue	rom ft. rom ft. 4 Other estock pens 14 / el storage 15 0	to ft. to
GROUT MATERIA out Intervals: Fro hat is the nearest s 1 Septic tank 2 Sewer lines	L: 1 Neat of possible 4 Later 5 Cess	ral lines	ft. to 2 Cement grout ft., From 7 Pit privy 8 Sewage lagor	3 Bento ft.	ft., F ft., F onite to 10 Liv 11 Fue 12 Fer	rom	to ft. ft. to ft. ft. to ft.
GROUT MATERIA out Intervals: Fro nat is the nearest s 1 Septic tank 2 Sewer lines 3 Watertight se	L: 1 Neat of possible 4 Later	real lines spool	ft. to 2 Cement grout ft., From 7 Pit privy	3 Bento ft.	ft., F. ft., F	rom ft. rom ft. 4 Other	to
GROUT MATERIA out Intervals: Fro hat is the nearest s 1 Septic tank 2 Sewer lines	L: 1 Neat of possible ource of possible 4 Later 5 Cess wer lines 6 Seep Northwe	From cement ft. to 206 contamination: ral lines s pool page pit	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard	3 Bento ft.	ft., F. ft., F	rom	to ft. to
GROUT MATERIA out Intervals: Fro hat is the nearest s 1 Septic tank 2 Sewer lines 3 Watertight ser	L: 1 Neat of om	From cement ft. to 206 contamination: ral lines s pool page pit	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard	3 Bento	ft., F. ft., F	rom ft. rom ft. 4 Other ft., From estock pens 14 / el storage 15 (tillizer storage 16 (ecticide storage 0.11. nany feet? 250ft PLUGGING	to ft. to
GROUT MATERIA out Intervals: Fro hat is the nearest s 1 Septic tank 2 Sewer lines 3 Watertight serection from well? FROM TO 0 2	L: 1 Neat of om	From cement .ft. to . 206 contamination: ral lines s pool page pit est LITHOLOGIC	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard	3 Bente ft. on FROM 219	ft., F ft	rom ft. rom ft. 4 Other ft. estock pens 14 / el storage 15 (tilizer storage 16 (ecticide storage 0.11 (early feet? 250ft PLUGGING	to ft. to
GROUT MATERIA out Intervals: Fro hat is the nearest s 1 Septic tank 2 Sewer lines 3 Watertight ser rection from well? FROM TO 0 2 2 34	L: 1 Neat of om	From cement .ft. to . 206 contamination: ral lines s pool page pit est LITHOLOGIC	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard	3 Bento	ft., F. ft., F	rom ft. rom ft. 4 Other estock pens 14 / el storage 15 (tilizer storage 16 (ecticide storage 0 i 1 enany feet? 250ft PLUGGING Clay Sand - SALT	to ft. to
GROUT MATERIA out Intervals: From that is the nearest so some some some some some some some s	ource of possible 4 Later 5 Cess wer lines 6 Seep Northwe Top Soi Brown C Fine Sa	From cement .ft. to . 206 contamination: ral lines s pool page pit est LITHOLOGIC Llay and	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard	3 Bente ft. on FROM 219	ft., F ft	rom ft. rom ft. 4 Other ft. estock pens 14 / el storage 15 (tilizer storage 16 (ecticide storage 0.11 (early feet? 250ft PLUGGING	to ft. to
GROUT MATERIA out Intervals: Fro hat is the nearest s 1 Septic tank 2 Sewer lines 3 Watertight ser rection from well? FROM TO 0 2 2 34	com	From cement ft. to 206 contamination: ral lines s pool page pit est LITHOLOGIC 11 Clay and ay with	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard	3 Bente ft. on FROM 219	ft., F ft	rom ft. rom ft. 4 Other estock pens 14 / el storage 15 (tilizer storage 16 (ecticide storage 0 i 1 enany feet? 250ft PLUGGING Clay Sand - SALT	to ft. to
GROUT MATERIA out Intervals: Fro hat is the nearest s 1 Septic tank 2 Sewer lines 3 Watertight ser rection from well? FROM TO 0 2 2 34 34 37 37 42	L: 1 Neat of om	From cement .ft. to . 206 contamination: ral lines s pool page pit est LITHOLOGIC Llay and	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard	3 Bente ft. on FROM 219	ft., F ft	rom ft. rom ft. 4 Other estock pens 14 / el storage 15 (tilizer storage 16 (ecticide storage 0 i 1 enany feet? 250ft PLUGGING Clay Sand - SALT	to ft. to
GROUT MATERIA out Intervals: Fro hat is the nearest s 1 Septic tank 2 Sewer lines 3 Watertight ser rection from well? FROM TO 0 2 2 34 34 37 37 42	L: 1 Neat of om	From cement 206 ft. to 206 contamination: ral lines s pool bage pit est LITHOLOGIC Llay and ay with ayers	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard	3 Bente ft. on FROM 219	ft., F ft	rom ft. rom ft. 4 Other estock pens 14 / el storage 15 (tilizer storage 16 (ecticide storage 0 i 1 enany feet? 250ft PLUGGING Clay Sand - SALT	to ft. to
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GROUT MATERIA out Intervals: From that is the nearest so 1 Septic tank 2 Sewer lines 3 Watertight serection from well? FROM TO 2 34 34 37 37 42 42 42 105 107 135 138 138 147	ource of possible 4 Later 5 Cess wer lines 6 Seep Northwe Top Soi Brown 0 Fine Sa Gray Cl Sands Gray Cl Sand wi Clay Sand	From cement 206 ft. to 206 contamination: ral lines s pool page pit est LITHOLOGIC clay and ay with ayers th small	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard LOG small sand clay layers	3 Bente ft. FROM 219	ft., F ft	rom ft. rom ft. 4 Other estock pens 14 / el storage 15 (tilizer storage 16 (ecticide storage 0 i 1 enany feet? 250ft PLUGGING Clay Sand - SALT	to ft. to Abandoned water well Dil well/Gas well Other (specify below) field disposa. well INTERVALS
GROUT MATERIA out Intervals: From that is the nearest so sever lines 3 Watertight severection from well? FROM TO 2 34 34 37 37 42 42 105 107 107 135 138 147 147 155	ource of possible 4 Later 5 Cess Wer lines 6 Seep Northwe Top Soi Brown 0 Fine Sa Gray Cl Sands Gray Cl Sand wi Clay Sand Sand wi Sand	From cement 206 ft. to 206 contamination: ral lines s pool page pit est LITHOLOGIC clay and ay with ayers th small	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard LOG Small sand	3 Bente ft. FROM 219	ft., F ft	rom ft. rom ft. 4 Other estock pens 14 / el storage 15 (tilizer storage 16 (ecticide storage 0 i 1 enany feet? 250ft PLUGGING Clay Sand - SALT	to ft. to
GROUT MATERIA out Intervals: From that is the nearest so a Sewer lines 3 Watertight servection from well? FROM TO 2 2 34 34 37 37 42 42 105 107 107 135 138 147 147 155 155 201	ource of possible 4 Later 5 Cess wer lines 6 Seep Northwe Top Soi Brown 0 Fine Sa Gray Cl Sands Gray Cl Sand wi Clay Sand	From cement 206 ft. to 206 contamination: ral lines s pool page pit est LITHOLOGIC clay and ay with ayers th small	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard LOG small sand clay layers	3 Bente ft. FROM 219	ft., F ft	rom ft. rom ft. 4 Other estock pens 14 / el storage 15 (tilizer storage 16 (ecticide storage 0 i 1 enany feet? 250ft PLUGGING Clay Sand - SALT	to ft. to
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GROUT MATERIA out Intervals: From the is the nearest section from well? ROM TO 0 2 34 34 37 37 42 42 105 107 107 135 138 147 147 155 155 201 201 202 205 205 219 CONTRACTOR'S mpleted on (mo/day ter Well Contracto	om	From cement ft. to .206 contamination: ral lines s pool bage pit est LITHOLOGIC clay and ay with ayers ay th small ch small crate SALT WAT 21/89 .138	ft. to 2 Cement grout 7 Pit privy 8 Sewage lagor 9 Feedyard LOG Small sand clay layers clay layers	3 Bento ft. FROM 219 221 224 s (1) constru	10 Live 12 Fer 13 Ins How m TO 221 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	rom ft. rom ft. 4 Other	to ft. to

GMD2 had a research grant from KDHE for groundwater remediation. The well was used to pump oil field brine contaminated groundwater from the aquifer in the Hollow-Nikkel oil field.

The use category that best fits would be 'Recovery Environmental Remediation'.

The well construction record and the plugging record are for the same well.

Replace the Sandstone interval from 201' to 202' with 'sandy clay' and the interval from 224' to 226' with Shale.

Lithologic Log (1/18/2012) (log data not edited or checked by the KGS.)				
From: 0 ft. to 34 ft.	Type: CLAY			
From: 34 ft. to 37 ft.	Type: FINE SAND			
From: 37 ft. to 42 ft.	Type: SANDY CLAY			
From: 42 ft. to 105 ft.	Type: SAND			
From: 105 ft. to 107 ft.	Type: CLAY			
From: 107 ft. to 135 ft.	Type: SANDY CLAY			
From: 135 ft. to 138 ft.	Type: CLAY			
From: 138 ft. to 147 ft.	Type: SAND			
From: 147 ft. to 155 ft.	Type: SANDY CLAY			
From: 155 ft. to 201 ft.	Type: SAND			
From: 201 ft. to 202 ft.	Type:			
From: 202 ft. to 205 ft.	Type: CLAY			
From: 205 ft. to 219 ft.	Type: SAND			
From: 219 ft. to 221 ft.	Type: CLAY			
From: 221 ft. to 224 ft.	Type: SAND			
From: 224 ft. to 226 ft.	Type:			

Mike Dealy, L.G., (prior Manager Equus Beds GMD2) Manager Wichita Operations Kansas Geological Survey Wichita, Kansas 67209