

COMPANY NORTH SLOPE

FARM

WELL NO. 1

ELEV

PAGE NO 1

COUNTY Allen

STATE Ks-

LOCATION

TYPE SAMPLE Air-

DEPTH		Lithology	Desc @ well site 28 Feb. Description	TR-Trace F-Fair		P-Poor G-Good	
From	To			Poro	Fluor	Stain	Od
80	90		LS. Lt tan gray dense -				
90	100		do - oolitic?				
100	110		do Tr Sh, lt-med gray mic.				
			Sh. aa w/ coal (lig.) - blk cherty.				
			w/ Tr undulatory - then LS				
			DK - med grayish blue.				
110	120		LS - Lt. tan. crumbly - dense, strolite				
			oolitic porosity - No Str				
120	130		Sh. med gray silt, mic. & LS				
			H. brn - tan dense.				
130	140		LS AA - w/ SW - blk - silt				
140	150		undulatory lt gray - 11 grain - v soft. 2' - f?				
			then limestone, tan dense.				
150	160		FURDK - soft LS silt, w/ siltstone - v/ls				
160	170		LS - Lt. tan, crumbly - soft - w/ considerable				
			amb v/soft clay -				
170	180		SH - MED - GRAY v/soft -				
180	190		SH - MED - DK GRAY firm - silt - to v/soft				
190	200		do				
200	210		do				
210	220		do				
220	230		do				
230	240		do				
240	250		do				
250	260		SH MED - DK GRAY v/soft silt -				
260	270		do				
270	280		do				
	290		do				
	300		do				
	310						
	320						
	330						
	340						
340	350		Sh. MED GRAY & Blue Green LS - Tan fine grained.				

(DRY SPLS -)

COMPANY

FARM

WELL NO.

ELEV

PAGE NO

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COUNTY Allen

STATE KS

LOCATION 19-235 21E

TYPE SAMPLE

DEPTH		Lithology	Description	TR-Trace F-Fair		P-Poor G-Good	
From	To			Poro	Fluor	Stain	Odc
- Data @ well site - 28 FEB.							
350	60		shale - med. gray firm				
357	70		1 IN DK - SWI pulverulent - looks like upper sh. sh.				
370	80		do				
380	90		do				
390	400		do w/ some med gray sh. f. lks -				
400	410		do				
410	420		do				
420	430		do				
430	440		white vlt - dust - powder - LS ?				
440	450		DK Gray vlt dust - powder - sh. ?				
	460		do				
	470		do				
	480		shale - DK gray firm.				
	490		do				
400	500		do - TR LS - ?				
500	510		1 IN SPES AGAIN - LS med. lt Brn				
			Dust - Tr. Blk sh.				
510	520		DRY Powder spl.				
520	530		sh. DK Gray - Blk.				
530	540		DRY Powder				
540	550		do				
	560		do				
	570		SANDSTONE lt gray vlt-fm w/ Blk carb sh.				
	580		do				
	590		do becoming vlt shly.				
	600		SILT BLK DK gray - blk. firm				
	610		" med gray				
	620		" Blk smulky				
	630		" LT Gray vlt soft almost unda clay				
	640		" DK Gray silty firm				
	650		" Blk smulky TR Coal?				
	660		Med gray silty firm				
	670		do TR LS lt gray druse				
	680		sh. DK gray vlt shly - Carb -				
	690		" " silty firm				
	700		do				

DEPTH		Lithology	NOTE - <i>Re Run @ HOTEL 1 MARCH 80</i>	Description		TR - Trace F - Fair		P - Poor G - Good	
From	To			Para	Fluor	Stain	Odo.		
700	710			SHALE - med-H grayish gray - slick, firm					
				w/ few BK carb inclusions					
	720			DO - w/ micaceous parts carb stks.					
	730			SANDSTONE - H gray uffn to sth hard, tile					
				siderite shot, no sta - NO FLUOR.					
	740			Siltstn H gray laminated w/ shale, silty gray					
				silty mic.					
740	750			Shale, H grayish gray, v/silty, w/ siderite shot.					
750	60			do 2' of: siltstn - H grayish gray, v/silty w/					
				few stks of fm SS, tan dirty - NO FLUOR.					
	70			do grading to sh. H gray - v/silty					
	80			SHALE - H grayish gray, v/silty (almost siltstn)					
	90			SHALE - DK gray, v/silty - mic. hard					
790	800			do w/ siltstn & uffn SS lam. mic.					
800	10			SHALE - DK gray - BK hard blocks:					
	20			do becoming silty w/ few siltstn lam.					
	30			Shale, med-dk gray, silty stn - firm					
	40			Shale - med-dk gray silty w/ few siltstn lam.					
	550			DO					
	60			Coal - BK puritic - SANDSTONE fm med w/					
				clayey - dirty, hard, tile - NO STA NO FLUOR					
	70			Sandstone - All w/ to coal. Consider chert, white					
				& blk mottled - Tr of fluor on a few				TR	TAR -
				Scattered pieces - Tar like material					
				in chert - Good cut w/ CCL					
	80			Chert frag - Claystone - some Sandstone					
				w/ occ gold fluor - NO "cut" w/ CCL or HCL.					
				minimal fluor? - NO STA.					
	90			DO - NO FLUOR - TR of Tar - silty fluor & cut w/ CCL					
890	900			DO w/ Dolostone - ^{siltstn} Ben to dirty gray w/ silty Dred and sta.					
				NO FLUOR until application of CCL					
				silty cut w/ CCL - BK oil bleedings firm					
				Dolostone Chert -					
900	910			Dolostone - tan to Ben - chunky - w/ silty - fm xln w/ w/ occ					
				vuggy por. - w/ v/ spotty chert oil					
				sta. - occ bleedings for simple parasiti					

COUNTY _____ STATE _____ LOCATION _____ TYPE SAMPLE _____

DEPTH		Lithology	Description	TR-Trace		P-Poor	
From	To			F-Fair	G-Good	Stain	Odor
910	920		Dolostone - tan to DK Blue v/fm - fm xln cherty - white & blue translucent. v/lac dead oil str. & FLUOR. sli "cut" v/cclv				
	730		Dolostone - Tan v/fm - fm xln & LIMESTONE, tan fm - med xln - chert 10% Blue-white mottled - scattered FLUOR sli cut v/cclv - - dead oil str.				
	940		Dolostone - Blue - v/fm - dura. NO FLUOR NO STN -				
	950		Dolostone MA - 2' of? & LIMESTONE, TAN - Ben med xln - cherty - white & blue mottled. tr FLUOR. - blk pos - sli "cut"				
	60		LIMESTONE - BEN fm - med xln cherty blue mottled NO STN NO FLUOR.				
	70		Dolostone - Ben v/fm - dura - in chert! white & - 1% stn - NO FLUOR.				
	80		LIMESTONE; BEN fm - med xln v/cclv - 40% white - NO STN - NO FLUOR -				
	90		Dolostone - Ben v/fm - fm. cherty - 25% white smooth. NO STN NO FLUOR.				
990	1000		DO - chert 40%				
1000	1010		Dolostone - Ben. v/fm - dura v/cclv 50% of white smooth. NO STN, NO FLUOR.				
	20						

DEPTH		Lithology	Description	TR-Trace F-Fair		P-Poor G-Good	
From	To			Poro	Fluor	Stain	Odo
700	710		sh. med gray firm				
	20		" med-DK gray firm				
	30		SS. Heavy vlfm - hard - tile NS				
	40		do - vlfm - to sltstm - shly - NS				
	750		sltstm vlfm - gray grad to sh gray v/silty				
750	765		sltstm AA i SS 2 1/2 vlfm - fm Bry w/ siderite shat? NO shat				
	70		shly H. grayish gray - v/silty hard.				
	80		sh. med gray to lt grayish gray				
	90		sh. med-DK gray firm				
	800		SS Gray - Blk vlfm - sltshly - tile - w/ blk carb stks -				
800	810		sh. DK gray - Blk hard -				
	20		do silty -				
	30		do				
	40		do				
800	820		do + "				
820	830		do of SS flint - fm - med to hard tile No str or r. loc.				
	70		do w/ chert frag - gray				
	80		do				
	98		do				
840	100		dolostone?				
840	70		SS. lt gray vlfm shly. shly r sh. gray w/ chert chert gray granule -				
	20		do				
	30		vlfm - Spl flint dolostone or sltstm.				
	40		dolostone i Ben vlfm NO Por				
	50		do w/ chert white, sm				
	60		interstrat Ben frs w/ wh sm chert.				
	110		AA				
	170		do increasing amts chert 70%				
	90		dolostone Ben vlfm - fm xlm - w/ chert, white smooth, 25%				
940	1000		do chert - 60%				
1000	1010		do chert 25%				

COUNTY *Wagon* STATE *KS* LOCATION *19-23-21E* TYPE SAMPLE *AIC*

DEPTH		Lithology	Description	TR-Trace F-Fair		P-Poor G-Good	
From	To			Poro	Fluor	Stain	Odor
1010	1070		caught last 3' of interval - Dolostone. brn ultra-fn cherty 40% white, smooth.				
	30		Dolostone: brn, fn-mat fn occ. v. gray porosily, cherty 35% white to Tan lines w/ spin.				
	10		DO w/ chert 60% - gray sm & Brn f. interst.				
1040	1050		Dolostone DK Brn, ultra-fn - w/ chert 60-70% - as gray sm & Brn mat.				
1050	100		Dolostone DK Brn fn - w/ chert 30% gray sm				
	70		LIMESTONE BRN. DUSE - w/ chert 30% gray sm (v. small spl.)				
	20		DO - w/ chert 25% gray sm to sm wh. sm				
	90		LS BR chert 45% - 14 gray - sm some Brn mat.				
1090	1100		LS BRN, DUSE NO chert - Tr gray sh.				
1120	1110		LS TAN. Brn fn - mat. Pkts Yb - Tr sh. Tr wh. chert				
	120		LS TAN - Brn fn - mat. Tr Dolomitic LS. NO chert gray fine sh. (v. fine) - has Rk Pkts plant rem.				
	30		Dolomite Brn fn. mat. fn - no chert CO 5 min @ 1130 Dolo MA -				
	40		Dolomite MA w/ Dolomite H gray ultra-fn - FeS ₂ slaty				
1140	1150		Dolo MA. & LIMSTN. BRN DUSE. SHALE TAN - 4 Brn & some H gray sm. MA? <i>MA?</i>				
1150	60	TOP of chert	Dolostone - DK gray - Brn - ultra-fn cherty - w/				
	1155		Dolomitic LS - chert Brn rough on nodal - CO 5 min.				
			LIMESTONE - BRN DUSE & chert 70-80% Brn sm - Tr crystal masses etc.				
1160	1170		LIMESTONE - Dolomitic - BRN ultra-fn earthy cherty 30% - of gray sm & Brn sm				
	80		LIMESTONE, Dolomitic - Brn ultra-fn cherty - 30% gray & Brn sm -				
	90		LS MA. chert 35-40% 15 in sm to 1/2" - pineose				
1190	1200		LS MA. chert 20% - slk of Brn fn. Pkts sh. 2' of acc. to drilled @ 1196-8				
1200	1210		LS - BRN - DUSE - w/ chert 10% - Brn sm				
	20		LS MA chert less than 5% -				

COMPANY		FARM		WELL NO.	ELEV	PAGE NO 5	
COUNTY		STATE		LOCATION		TYPE SAMPLE 112	
DEPTH		Lithology	Description	TR-Trace F-Fair		P-Poor G-Good	
From	To			Porosity	Fluor	Stain	Other
1220	1225		LS HA 7 SHALE Gray, tan Drill: test no. 1122				
1225	30		SHALE - AN 2 DK Grayish BRN FESS Driller R 2 1/2 Hard @ 1135. CO @ 1135				
1230	1235		SHALE - DK Grayish BRN - BLK. TR RIF SS. 2' of? Hard. wall com. NO SKO				
1235	CO		AA more SS - 1 piece ^{ss} w/ gold Fluor w/ good cut -				
1235	1236		Dolostone. H. tan v/ hard v/ffn - dense - transl chert. One piece ss w/ good gold Fluor - good cut				
1236	1237		Dolostone H. tan - cream dense - hard NO Fluor NO SKO				
1237	1240		Dolostone Tan - cream - v/ffn - dense - NO Fluor NO STN - Chert. on Tr 20-30%				
	1240	PO 6'	AA -				
1240	1245		Dolostone Pink - med fu - fair to fair intertn por - v/str gold Fluor NO visible cut (blines), but leaves a light ring on spot (gray) after wash. Blank of CCLy leaves some faint ring -				
1245	1250		Dolo HA w/ much chert on Tr 200 ft Dolostone - tan v/ffn stn. NO STN NO FLUOR NO POR.				
	1255		Dolostone AA - w/ chert 15% on Tr Dolostone AA " " 20% on Tr				