

11-28-15E  
P1

Brazil #24, 1820' FNL, 1650' FEL, N/2, NW/4  
Sec. 11, Twp. 28S, R 15E  
Wilson Co., Kansas

Drill Contractor: Drill Energy, Inc.

API Number 15-205-22,260

Casing: 23'

Elevation:

Date Started: 10/1/81

Date Finished: 10/3/81

DRILL LOG

<u>Depth</u>	<u>Description</u>	<u>Depth</u>	<u>Description</u>
0-11	Broken Limestone	342-344	Shale, gray
11-14	Limestone	344-413	Limestone
14-124	Shale, gray	413-415	Shale, black
124-136	Limestone	415-421	Limestone
136-143	Limestone & Shale, gray	421-440	Sand, gray (water)
143-223	Shale, gray	440-441	Limestone
223-226	Limestone	441-446	Sand (no odor)
226-242	Shale, gray	446-447	Sandy Shale
242-243	Limestone	447-448	Shale, gray & Clay
243-244	Shale, gray	448-456	Limestone
244-253	Limestone	456-462	Shale, gray (little clay)
253-256	Shale, gray	462-480	Limestone
256-258	Coal	480-481	Shale, black
258-259	Shale, gray	481-534	Limestone
259-260	Coal	534-541	Shale, black
260-267	Shale, gray	541-572	Shale, gray
267-286	Sand	572-573	Limestone
286-287	Coal	573-590	Shale, gray
287-301	Shale, gray	590-592	Limestone
301-314	Limestone	592-606	Shale, gray
314-326	Shale, gray	606-607	Limestone
326-327	Limestone	607-618	Shale, gray
327-329	Shale, gray	618-619	Limestone
329-342	Limestone		

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Wilson Co., Kansas

DRILL LOG

<u>Depth</u>	<u>Description</u>	<u>Depth</u>	<u>Description</u>
619-620	Shale, gray	815-817	Shale, gray
620-633	Limestone	817-826	Limestone
633-635	Shale, gray	826-828	Shale, black
635-657	Sand (no odor)	828-835	Shale, gray
657-660	Shaly Sand	835-835½	Limestone
660-667	Shale, gray	835½-839	Sand (no odor)
667-677	Sand & Shaly Sand	839-842	Sand (odor)
677-678	Shale, gray	842-851	Sand (no odor)
678-680	Sand (no odor)	851-892	Sandy Shale
680-681	Sand & Sandy Shale	892-910	Shale, gray
681-685	Shale, gray	910-919	Limestone
685-686	Sand & Sandy Shale	919-926	Sand (no odor)
686-718	Sand (no odor)	926-930	Sandy Shale, gray
718-721	Sandy Shale	930-942	Shale, gray
721-738	Shale, gray	942-944	Limestone
738-741	Limestone	944-946	Sandy Shale
741-742	Shale, black	946-987	Shale, gray
742-750	Shale, gray	987-988	Sand (no odor)
750-758	Limestone	988-989	Sand (odor - little show)
758-760	Shale, gray	989-990	Sand & Shale, gray (no odor)
760-765	Limestone	990-1008	Sandy Shale, gray
765-767	Shale, black	1008-1014	Sand & Sandy Shale (no odor)
767-769	Limestone	1014- 1020	Sand (odor & show)
769-777	Shale, gray	1020-1056	Sand & Sandy Shale (no odor)
777-780	Limestone	1056-1058	Sand (odor & some show)
780-798	Shale, gray		
798-812	Limestone		
812-815	Shale, black		