

KANSAS

**WELL COMPLETION REPORT AND
DRILLER'S LOG**

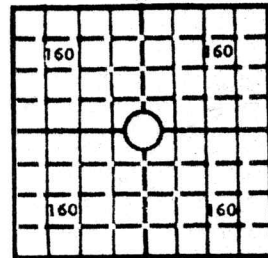
API No. 15 — Wilson — 205-22-257
County Number

S. 11 T. 28 R. 15 E

Loc. N/2 NW/4

County Wilson

640 Acres
N



Elev.: Gr. _____
DF _____ KB _____

Operator Riviera Drilling and Exploration Company
Address 655 Broadway, Suite 1075 Denver, Co 80203
Well No. 21 Lease Name BRAZIL
Footage Location 1490 feet from (N) (S) line 1650 feet from (E) (W) line
Principal Contractor Drill Energy, Inc. Geologist NONE
Spud Date 9-30-81 Date Completed 10-4-81 Total Depth 1139.3 P.B.T.D. _____
Directional Deviation. _____ Oil and/or Gas Purchaser Square Deal

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
surface		7"	23#	24.6			
production	6½"	2½"	6.4		"A"	125	2% gel

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	class jet 2 1/8	1066' - 1068'
			2	class jet 2 1/8	1071' - 1074'
			2	class jet 2 1/8	1081' - 1086'

TUBING RECORD

Size	Setting depth	Packer set at
1"	1002'	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
7300 lbs. 20/40 sand	1066' - 1068'
9160 gallons fluid	

INITIAL PRODUCTION

Date of first production 10-11-81 Producing method (flowing, pumping, gas lift, etc.) down hole pump
 RATE OF PRODUCTION PER 24 HOURS: Oil _____ Gas 15 bbls. MCF _____ Water _____ Gas-oil ratio _____ CFPB _____
 Disposition of gas (vented, used on lease or sold) _____ Producing interval (s) _____

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 245 No. Water, Wichita, Kansas 67202. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on an open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Brazil #21, 1490' FNL, 1650' FEL, N 1/2, NW/4
Sec. 11, Twp. 28S, R 15E
Wilson Co., Kansas

11-28-15E
SEP
P1

Drill Contractor: Drill Energy, Inc.

API Number 15-205-22,257

Casing: 24'6"

Elevation:

Date Started: 9/30/81

Date Finished: 10/2/81

DRILL LOG

<u>Depth</u>	<u>Description</u>	<u>Depth</u>	<u>Description</u>
0-11	Limestone	377-403	Limestone, dark (hard)
11-13	Shale, gray	403-415	Sandy Limestone
13-20	Limestone	415-420	Sandy Shale, gray
20-121	Shale, gray & Clay	420-437	Sand
121-140	Limestone	437-440	Limestone
140-212	Shale, gray	440-450	Shale, gray
212-241	Limestone	450-454	Limestone
241-256	Shale, gray	454-460	Shale, gray
256-260	Sandy Shale	460-463	Limestone
260-280	Sand	463-472	Limestone, white
280-282	Coal *	472-478	Limestone, dark
282-283	Shale, brown	478-481	Shale, dark
283-288	Shale, greenish gray & Clay	481-482	Shale, black
288-295	Sandy Shale, light green	482-536	Limestone (strong gas odor)
295-297	Sandy Shale, gray	536-545	Shale, black
297-310	Limestone, brown	545-553	Shale, gray
310-320	Sandy Shale, gray	553-567	Shale, black (strong gas odor)
320-323	Limestone	567-584	Sandy Shale, gray
323-325	Sandy Shale, gray	584-590	Shale, gray
325-336	Limestone	590-592	Limestone
336-360	Limestone, white	592-594	Sandy Limy Shale
360-367	Limestone, grayish	594-604	Shale, gray & green
367-370	Limestone, white	604-606	Limestone
370-377	Limestone, hard		

PC
11-28-15E

Brazil #21, 11-28S-15E
Wilson Co., Kansas

DRILL LOG

<u>Depth</u>	<u>Description</u>	<u>Depth</u>	<u>Description</u>
606-610	Shale, green	826-836	Sandy Shale, green
610-618	Shale, dark	836-895	Sand (show)
618-622	Limestone & Shale, gray	895-910	Shale, dark & gray
622-637	Limestone	910-920	Limestone
637-638	Shale, black	920-981	Shale, black & dark (a little coal)
640-640	Shale, green & Limestone	981-992	Shale, black & dark (a little sand odor)
640-653	Sand	992-1006	Shale, gray (little sandy)
653-66	Sandy Shale	1006-1009	Shale, black & dark & Coal
66-670	Shale, gray	1009-1010	Sand, white (no show or odor)
670-673	Sand & Sandy Shale	1010-1036	Sand, brown (show & odor)
673-676	Sandy Shale	1036-1040	Shale, dark & black w/little coal
676-680	Sand (little coal)	1040-1046	Limestone & Shale, gray & dark
680-687	Shale, gray	1046-1050	Sandy Limestone (odor & show)
687-689	Sandy Shale	1050-1053	Coal
689-720	Sandy Shale, gray	1053-1061	Sandy Shale, & Coal
720-725	Sandy Shale, gray	1061-1065	Coal, Sand & Sandy Shale (little odor)
725-742	Shale, gray	1065-1067	Sandy Shale, no odor
742-752	Limestone (little coal)	1067-1069	Sand (little show & little odor)
752-756	Limestone & Shale, dark	1069-1071	Sandy Shale (no odor)
756-760	Limestone	1071-1085	Sand (odor & show)
760-788	Shale, dark (strong gas odor)	1085-1090	Sandy Shale, gray
788-792	Shale, green	1090-1098	Sand (odor & show)
792-810	Limestone		
810-814	Shale, black		
814-816	Shale, gray		
816-822	Limestone		
822-826	Shale, dark		

PL
11-28-15E

Brazil #21, 11-28S-15E
Wilson Co., Kansas

DRILL LOG

<u>Depth</u>	<u>Description</u>
1098-1108	Sandy Shale, gray
1108-1112	Sand
1112-1114	Sandy Shale, gray
1114-1118	Sand, gray
1118-1121	Sandy Shale, gray
1121-1124	Sand
1124-1132	Sandy Shale, gray
1132-1154	Sand
1154-1160	Shale, green or Clay
1160-1165	Sand, white
1165-1167	Coal
1167-1175	Shale, dark & gray & Coal
1175-1188	Shale, dark gray
1188-1200	Limestone & Chert

T. D. AT 1200'