

Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

CONTRACTOR

MAY 6-10, 1985

2-16-206 OPERATOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

Hughes Drilling Co.
122 North Main
Wellsville, Kansas

LOG

BROERS
WELL NO. 2
FRANKLIN CO., KS.
SEC. 2, Twp. 16S, Rng. 20E
SE SE SW

API # 15-059-23,900

625' FS1-166
2830' FEL-3230-KCC

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2	2	Sand "PERU" (Oil show)	546
20	Clay	22		(Lamin/shale)	
17	Shale	39	24	Shale	570
4	Lime	63	5	Lime	575
0	Shale (Slate 68-69)	69	7	Shale	583
11	Lime	80	1	Sand (WAYSIDE)	584
	Shale	86		(Oil show)	
16	Lime	102		(Lamin / shale)	
11	Shale	113	9	Shale	593
17	Sand	130	10	Lime(Oil show)	603
17	Shale	147		(Bleeding oil 595-598)	
4 37	Lime	181	12	Shale	615
19	Shale	240	3	Lime	618
23	Lime	263	9	Shale	627
19	Shale	282	9	Lime	636
6	Lime	288	13	Shale	649
29	Shale	317	2	Lime	651
2	Lime	329	DEC 5 1961	Shale	659
22	Shale	351	7	Lime	666
24	Lime 30'	375	13	Shale	679
	Shale (Slate 381-382)	383	3	Lime(Oil smell)	682
25	Lime 20'	408	4	Shale (White 684-686)	686
4	Shale (Slate 411-412)	412	14	Oil Sand (#1 SQUIRREL	700
5k	Lime 0	417	32	Shale	732
2	Shale	419	1	Lime	733
5	Lime "HERTHA"	424	7	Shale	740
120	Shale (Brk. 428-432) (Sdy. 468-475)	544	1	Lime	741
			9	Oil Sand #2 SQUIRREL	750
			50	Shale(Lt.790-794) (Sdy. 794-795) Oil trace)	800

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

DEC 8 1986

T?

CONTRACTOROPERATOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

LOG

BROERS

WELL NO. 2

API #

cont.

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
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Drilled 800 ft. of 5 1/8" hole.
Set 20.65 ft. of used 6 1/4" surface pipe.
Cemented in with 5 sacks cement.
Cored #1 SQUIRREL 686'-701'.
Cored #2 SQUIRREL 741'-752'.
Set 791.55 ft. of 2 7/8" 10 rd. pipe.
Seating nipple at 738.05.
Used 4 centralizers.
Bolt in bottom.

HUGHES DRILLING CO.

Wellsville, Kansas 66092

2-16-20E

Roger 913-883-2235
Darrel 913-883-4027

Ron 913-883-4655
Clay 913-883-4383

CORE TIME
LEASE #2 W. Broers
FORMATION #1 Squirrel
DATE: 5/7/85

(RPM 80)

FROM	FEET TO	TIME	MINUTES	REMARKS
① 686	687	10:38:00 - 10:38:30	:30	Solid Sand (Bleeding Oil) (Took To Core)
② 687	688	10:39:00	:30	
③ 688	689	10:39:30	:30	
④ 689	690	10:40:00	:30	
690	691	10:40:30	:30	
⑤ 691	692	10:41:00	:30	
⑥ 692	693	10:41:30	:30	
⑦ 693	694	10:42:00	:30	
694	695	10:42:45	:45	
⑩ 695	696	10:43:30	:45	
⑪ 696	697	10:44:00	:30	
⑫ 697	698	10:44:45	:45	
⑬ 698	699	10:45:30	:45	
⑭ 699	700	10:46:15	:45	
⑮ 700	701	10:50:15	4:00	Shale (some strips of sand 700-703)
⑯ 701	702	STOP		
17 702	703			
18 703	704			
(Best Perf Zone)				
686 - 700				

DEC. 5 1985

VEILION DIVISION
P.O. BOX 1000

HUGHES DRILLING CO.

Wellsville, Kansas 66092

Roger 913-883-2335
Darrel 913-883-4027

CORE TIME

Ron 913-883-465
Clay 913-883-4385

LEASE # 2 W. Ordeus

FORMATION # 2 Squirrel

DATE: 5/7/85

(RPM 80)

FROM	FEET TO	TIME	MINUTES	REMARKS
740	741	chip sampled	—	lime
741	742	3:48.00-3:48.45	.45	Solid Sand (Bleeding Oil)
742	743	3:48.45-3:49.15	.30	
743	744	3:49.15-3:50.00	.45	
744	745	3:50.00-3:50.45	.45	
745	746	3:50.45-3:51.45	1.00	slightly lamin. (Bleeding Oil)
746	747	3:51.45-3:53.15	1.30	
747	748	3:53.15-3:55.00	1.45	
748	749	3:55.00-3:56.00	1.00	
749	750	3:56.00-3:57.45	1.45	lamin. w/shale (Bleeding Oil)
750	751	3:57.15-4:00.15	2.30	shale
751	752	4:00.15-4:03.00	2.45	
752	753			(Took To Core Lab)
753	754			
754	755			
755	756			
756	757			(Best Perf Zone) 741-749
757	758			
758	759			
759	760			
760	761			

SIDE TWO

Operator Name Hughes Drilling Company Lease Name Broers Well # 2Sec. 2 Twp. 16S Rge. 20 ☒ East ☐ WestCounty Franklin

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken ☐ Yes ☐ No
 Samples Sent to Geological Survey ☐ Yes ☐ No
 Cores Taken ☐ Yes ☐ No

Formation Description
☐ Log ☐ Sample

Name Top Bottom

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity
	1.3				23.5

CASING RECORD ☐ New ☐ Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (in O.D.)	Weight Lbs/Ft.	Setting Depth	Type of Cement	#Sacks Used	Type and Percent Additives
Surface		6 1/2"		20.65	Portland	5	
Production	5.1/8"	2.7/8"		791.55			

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
10 holes	from 742' - 747'		

TUBING RECORD			Liner Run ☐ Yes ☐ No	
Size	Set At	Packer at		

Date of First Production	Producing Method
June 27, 1985	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....