

DESCRIPTION OF WELL AND LEASE

Wellsite Geologist.....
Phone.....

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil	☐ SWD	☐ Temp Abd
☐ Gas	☐ Inj	☐ Delayed Comp.
☐ Dry	☐ Other (Core, Water Supply etc.)	

If OWWO: old well info as follows:

Operator

Well Name

Comp. Date Old Total Depth.....

WELL HISTORY

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

4/29/85..	...5/3/85....	..5/3/85....
Spud Date	Date Reached TD	Completion Date

780'

Total Depth PBTD

Amount of Surface Pipe Set and Cemented at... 20 feet
Multiple Stage Cementing Collar Used? ☐ Yes ☐ No
If yes, show depth set..... feet
If alternate 2 completion, cement circulated
from... 0 feet depth to... 20 w/... 5 SX cmt

API NO. 15-...059-23-895.....6.8.....

County.....Franklin.....

SE. SE. SW. Sec. 2... Twp. 16S Rge. 20.. ☒ East
☐ West

.165..... Ft North from Southeast Corner of Section
.2830..... Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

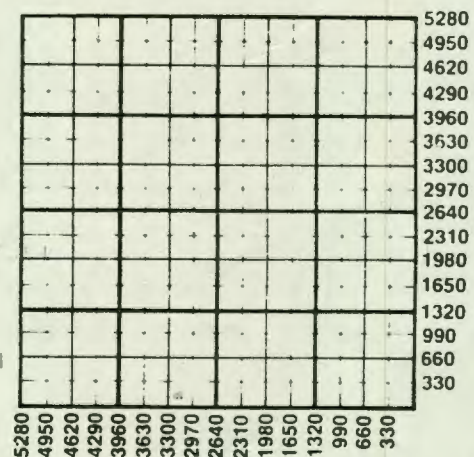
Lease Name. Broers.....Well #..1.....

Field Name.....LeLoup.....

Producing Formation...#2..Squirrel.....

Elevation: Ground.....KB.....

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal
Docket # ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:

Division of Water Resources Permit #.....

☐ Groundwater.....Ft North from Southeast Corner
(Well)Ft West from Southeast Corner of
Sec Twp Rge ☐ East ☐ West

☐ Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge ☐ East ☐ West

☐ Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.

Information on slide 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.

SIDE TWO

Operator Name ...Hughes Drilling Company..... Lease Name. Broers..... Well #...1...

Sec..2..... Twp..16S.... Rge....20.... ☒ East
☐ West

County..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	Gas	Water	Gas-Oil Ratio	Gravity
	1.3				23.5
	Bbls	MCF	Bbls	CFPB	

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'	Portland	5	
..Production..	5.1 1/8"	2.7 7/8"		770'			

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used) Depth

Shots Per Foot	Specify Footage of Each Interval Perforated	
..12 holes	from 721' - 729'	
.....		
.....		

TUBING RECORD

Size Set At Packer at Liner Run ☐ Yes ☐ No

Date of First Production Producing Method

June 27, 1985

☒ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....

CHARACTOR

APRIL 29-MAY 3, 1985

2-16-20E OPERATOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

HUGHES DRILLING CO.
122 North Main
Wellsville, Ks.
API #15-059-23,895

LOG
BROERS
WELL NO. 1
FRANKLIN CO., KS.
SEC. 2, TWP. 16S, RNG. 20E
SE SE SW

165' N from SE corner
2830' W from SE corner
of Section

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.
2	Soil	2	3	Sand "PERU"	530
17	Clay	19	32	Shale	561
15	Shale	34	3	Lime(Broken)	561
25	Lime (Shale 39-41)	59	5	Shale	570
7	Shale (Dark) (Slate 65-66)	66	5	Oil Sand ("WAYSIDE") (Hard 570-572) (Bleeding oil)	571
20	Lime	76	5	Shale	580
6	Shale	82	12	Lime	592
18	Lime	100	8	Shale	600
13	Shale	113	4	Lime	604
9	Sand	122	8	Shale	612
5 1/2	Shale	137	8	Lime	620
29	Lime	166	13	Shale	631
18	Shale	184	2	Lime	635
3	Sand(Hard)	187	8	Shale	643
47	Shale	234	8	Lime	651
22	Lime	256	10	Shale	661
28	Shale	274	4	Lime (Bleeding oil 661-664)	665
7	Lime	281	4	Shale (White 666&669)	669
29	Shale (Limebreak 305)	310	18.5	Oil Sand	687
2	Lime	322	24.5	Shale (#1SQUIRREL)	712
21	Shale (Lime 326-327)	343	1	Lime	713
26	Lime 30'	369	7	Shale	720
6	Shale (Slate 373-374)	375	1	Lime	721
24	Lime 20'	399	DEC 3 1965	Oil Sand (#2SQUIRREL)	731
4	Shale (Slate 402-403)	403	46	Shale (Lt. 774-777) (Some black sand 776-777)	777
4	Lime	407		Drk. Shale	780
2	Shale	409			
5	Lime "HERTHA"	414			
113	Shale (Brk. 418-421)	527			

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

LOG
BROERS
cont.

API #

WELL NO. 1

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
---------------------	----------------------	------	---------------------	----------------------	------

Drilled 780 ft. of 5 1/8" hole.

Set 20 ft. of used 6 1/4" surface pipe.

Cemented in with 5 sacks cement.

Cored #1 SQUIRREL 670-689)

Cored #2 SQUIRREL 721-738.

Set 770 ft. of 2 7/8" 10 rd. reg.

Seating nipple at 717.95 ft.

Used 4 centralizers.

Bolt in bottom.

HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

CORE TIME

Ron 913-883-4655
Clay 913-883-4363

LEASE # 1 W. Groers

FORMATION # 1 Squirrel

DATE: 5/1/85

(RPM 80)

2-16-20E

19

FROM	FEET TO	TIME	MINUTES	REMARKS
69	670	chip sampled	—	
① 670	671	10:31.00-10:32.00	1.00	} lamin. w/shale (bleeding oil)
② 671	672	10:32.00-10:33.00	1.00	
③ 672	673	10:33.00-10:35.15	2.15	- shale
④ 673	674	10:35.15-10:36.30	.45	} Solid Sand (bleeding oil)
⑤ 674	675	10:36.30-10:37.00	.30	
⑥ 675	676	10:41.30-10:42.15	.45	} time (No oil)
⑦ 676	677	10:42.15-10:43.15	1.00	
⑧ 677	678	10:43.15-10:44.30	1.15	} 676-678.5
⑨ 678	679	10:44.30-10:45.15	.45	
⑩ 679	680	10:45.15-10:45.45	.30	} slightly lamin (bleeding oil)
⑪ 680	681	10:45.45-10:46.30	.45	
⑫ 681	682	10:46.30-10:47.30	1.00	} lamin w/shale & gray sand (bleeding oil)
⑬ 682	683	10:47.30-10:49.00	1.30	
⑭ 683	684	10:49.00-10:50.15	1.15	} lamin w/shale & gray sand (bleeding oil)
⑮ 684	685	10:50.15-10:51.45	1.30	
⑯ 685	686	10:51.45-10:53.15	1.30	} shale
⑰ 686	687	10:53.15-10:54.15	1.00	
⑱ 687	688	10:54.15-10:56.15	2.00	} shale
⑲ 688	689	10:56.15-10:59.00	2.45	
⑳ 689	690	10:59.00 - STOP		
/ Best Perf Zone				

HUGHES DRILLING CO.

Wellsville, Kansas 66092

Loger 913-883-2235
Darrel 913-883-4027

CORE TIME

LEASE # 1 W. Broers

FORMATION # 2 Squirrel

DATE: 5/1/85

Ron 913-883-4656
Clay 913-883-4383

2-16-20E

(RPM 80)

FROM	FEET TO	TIME	MINUTES	REMARKS
720	721	chip sampled	—	lime
① 721	722	2:50:00 - 2:50:30	:30	Solid Sand (Bleeding Oil)
② 722	723	2:50:45	:15	
③ 723	724	2:51:30	:45	
④ 724	725	2:52:00	:30	
⑤ 725	726	2:52:30	:30	
⑥ 726	727	2:53:00	:30	
⑦ 727	728	2:53:45	:45	
⑧ 728	729	2:54:15	:30	Lamin. shale (Bleeding Oil)
⑨ 729	730	2:55:15	1:00	
⑩ 730	731	2:57:00	1:45	
⑪ 731	732	2:59:30	2:30	shale
⑫ 732	733	3:02:15	2:45	
⑬ 733	734	3:05:15	3:00	
⑭ 734	735	3:08:15	3:00	
⑮ 735	736	3:11:00	2:45	
⑯ 736	737	3:14:00	3:00	(Took To Core Lab)
⑰ 737	738	3:17:15	3:15	
⑱ 738	739		STOP	
		DEC 5 1985		