SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO–1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 7402
name James Hart
address R#1 P.O.Box 322
City State/Zip Edgerton, Ks. 66021

Operator Contact Person James Hart
Phone 662-6531

Contractor: license # 5662-R305
Name Hughes Drilling

Wellsite Geologist None
Phone
PURCHASER None-Domestic

Date Type of Completion
[X] New Well [ ] Re-Entry [ ] Workover

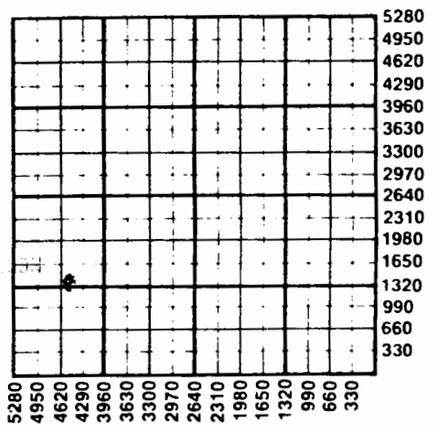
[ ] Oil [ ] SWD [ ] Temp Abd
[X] Gas [ ] Inj [ ] Delayed Comp.
[ ] Dry [ ] Other (Core, Water Supply etc.)

OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

RECEIVED
STATE CORPORATION COMMISSION
JAN 02 1985
CONSERVATION DIVISION
Wichita, Kansas

API NO. 15- 091-21-341
County Johnson
SE NE SW NW SW Sec 9 Twp 15 Rge 22 East West
(location)
1186 FSL ~~1350~~ Ft North from Southeast Corner of Section
~~1465~~ 1405 Ft West from Southeast Corner of Section
4615 FEL (Note: locate well in section plat below)
1KCC
Lease Name Hart Well# 1
Field Name Edgerton-Gardner
Producing Formation Bartelville
Elevation: Ground 1000 KB

Section Plat



WELL HISTORY

Drilling Method: [X] Mud Rotary [ ] Air Rotary [ ] Cable

1-18-84 9/13/84 10-15-84
Spud Date Date Reached TD Completion Date

875'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 20' feet

Multiple Stage Cementing Collar Used? [ ] Yes [X] No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from 875 feet depth to Surface w/ 100 SX cmt

WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #

[ ] Groundwater Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge [ ] East [ ] West

[ ] Surface Water Ft North From Sourtheast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge [ ] East [ ] West

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

Disposition of Produced Water: [ ] Disposal [ ] Repressuring
Docket #

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. Rules 82-3-130 and 82-3-107 apply.

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.

All requirements of the statutes, rules, and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

JAN 7 1985
State Geological Survey
WICHITA, KS

Signature James Hart
Title Operator Date 12/28/84

Subscribed and sworn to before me this 28th day of Dec 19 84

Notary Public Maxine L. Smith
Date Commission Expires

STATE NOTARY PUBLIC KANSAS
Maxine L. Smith
My Appt. Exp. Jan. 10, 1987

K.C.C. OFFICE USE ONLY
F [ ] Letter of Confidentiality Attached
C [✓] Wireline Log Received
C [ ] Drillers Timelog Received

Distribution
[✓] KCC [ ] SWD/Rep [ ] NGPA
[✓] KGS [ ] Plug [ ] Other (Specify)

Sec. 9 Twp. 15 Rge. 22E

Form ACO-1 (7-84)

SIDE TWO

Operator Name James S. Hart Lease Name Hart Well# 1 SEC 9 TWP 15 RGE 22 ☒ East ☐ West

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
K.C. Lansingume	30'	50'
Heretha Lime	338'	343'
Knob Town Sd	373'	381'
Peru Sd	453'	457'
1st Squirrel Sd.	615'	616'
2nd Squirrel Sd.	679'	705'
Bartlesville Sd.	822'	826'
Burgges Sd	860'	864'

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	7"	6"		20'	Portland	5	
Production Pipe	5 7/8"	2½"		862.40	Portland	100	

PERFORATION RECORD

Shots per foot	specify footage of each interval perforated
4	2" P.I.G. - D.M.L. 808-812

Acid, Fracture, Shot, Cement Squeeze Record

(amount and kind of material used)	Depth

TUBING RECORD size set at packer at Liner Run ☐ Yes ☐ No

Date of First Production	Producing method					
10-15-84	☐ flowing	☐ pumping	☐ gas lift	☐ Other (explain)	Domestic Gas	

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

Disposition of gas: ☐ vented ☐ sold ☐ used on lease

Domestic

METHOD OF COMPLETION

☐ open hole ☒ perforation

☐ other (specify)

☐ Dually Completed.

☐ Commingled

JAN 17 1985

State Geological Survey WICHITA BRANCH

PRODUCTION INTERVAL

808 - 812

CONTRACTOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

Sept. 7-13, 1984

OPERATOR

Jim Hart
Edgerton, Kans

9-15-22E

API #

LOG
HART
WELL NO. 1
~~Miami~~ Co., Ks.
Johnson

STRATA THICKNESS	FORMATION DRILLED	T.D.
1	Soil	1
4	Lime(Broken)	5
3	Clay	8
4	Blk. Shale (Slate 10-12)	12
10	Lime	22
8	Shale	30
20	Lime	50
16	Shale (Sand 64-66)	66
27	Lime	93
55	Shale (Sdy. 93-102)	148
7	Lime	155
16	Shale	171
15	Lime (Slate 183-184)	186
22	Shale (Sdy. 192-196)	208
5	Lime	213
4	Shale (Slate 213-214)	217
7	Lime	224
48	Shale	272
27	Lime 30' (Shale 279-280) (Oil trace)	299
5	Shale (Slate 303-304)	304
22	Lime 20'	326
4	Shale (Slate 329-330)	330
5	Lime	335
3	Shale	338
5	Lime "HERTHA"	343
30	Shale	373
8	Sand "KNOBTOWN" (Gas odor)	38
72	Shale (White 445-448)	45
4	Sand "PERU" (Lamin. w/shale)	45
60	Shale (Slate 479-480) (Brk. 481-484) (Brk. 500-503)	51
5	Lime (Sdy. 506-509)	52
2	Shale (Slate 523-524)	52
5	Lime	52
8	Shale (Slate 535-536)	53
5	Lime	542
19	Shale	561
3	Lime(Brown)	564
8	Shale (Slate 568-569)	572
13	Lime (Brk. 582-585)	585
2	Shale	587
7	Red Bed	594
12	Shale (Limebreak 596) (Slate 599-600)	606
4	Lime	610
5	Shale (Slate 610-611) (White 611-615)	615
1	Sand #1 SQUIRREL	616
42	Shale (White 616-629) (Oil trace Heavy) (Very Sdy. 620-622)	658

CONTRACTOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

OPERATOR

9-15-22E

LOG

Hart No. 1
cont.

API #

STRATA THICKNESS	FORMATION DRILLED	T.D.
1	Lime	659
9	Drk. Shale	668
1	Lime	669
10	Dark Shale	679
3	Oil Sand #2 SQUIRREL (Very lamin. w/shale) (Some bleeding oil- approx. 28 gravity)	682
23	Shale	705
1	Lime	706
27	Lt. Shale	733
2	Sand	735
23	Lt. Shale (Slate 735-736) (Slate 752-753)	758
18	Shale	776
8	Dark Shale (Slate 780-781)	784
20	Shale (Dark 802-804)	804
2	Lime(Sdy.)	806
8	Sand	814
8	Shale	822
6	Oil Sand "BARTLESVILLE"	828
15	Shale	843
11	Dark Shale	854
6	Lt. Shale O	860
4	Sand (Oil trace)	864
7	Shale	871
4	Lt. Shale (Some Sand 873-875)	875 T.D.

Drilled 875 ft. of 5 7/8" hole.
Set 20.5 ft. of used 6¼" surface p
Cemented in with 5 sacks cement.
Cored "Bartlesville" 1 st. core 807'-827'.
Cored "Bartlesville" 2 nd. core 827'-847'.
Set 862.40 ft. of 2½" 10 rd. reg.
Used 3 centralizers.
Bolt in bottom.

9-15-22E

HUGHES DRILLING CO.

Wellsville, Kansas 66092

CORE TIME

Roger 913-883-2236
Darrel 913-883-4027

LEASE # 1 Jim Hart

FORMATION Bartlesville 1st core

DATE: 9/11/84

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

(RPM 80)

FEET FROM	TO	TIME	MINUTES	REMARKS
80	807	cut with tooth bit	———	(Brown Sand slightly lamin. w/shale
807	808	4:55.30-4:57.45	2:15	(Oil trace) (Gas)
808	809	4:57.45-5:00.30	2:45	
809	810	5:06.00-5:08.30	2:30	white sand (no oil)
810	811	5:08.30-5:10.45	2:15	
811	812	5:10.45-5:12.45	2:00	
812	813	5:12.45-5:15.45	3:00	Sand very lamin. w/shale
813	814	5:15.45-5:16.45	1:00	(little Bleeding oil) (Solid 813.7-814)
814	815	5:16.45-5:20.00	3:15	
815	816	5:20.00-5:23.15	3:15	
816	817	5:23.15-5:27.15	4:00	
817	818	5:27.15-5:30.45	3:30	Shale
818	819	5:30.45-5:34.15	3:30	
819	820	5:34.15-5:38.00	3:45	
820	821	5:38.00-5:41.30	3:30	
821	822	5:41.30-5:45.30	4:00	
822	823	5:45.30-5:48.45	3:15	Sand slightly lamin w/shale (Bleeding oil)
823	824	5:48.45-5:52.15	3:30	sand very lamin w/shale
824	825	5:52.15-5:55.30	3:15	(Some Bleeding oil)
825	826	5:55.30-5:57.30	2:00	Solid Sand
826	827	5:57.30-8:00.00	2:30	(Good Bleeding oil)
				Sandy Oil
				18° gravity

RECEIVED
STATE CORPORATION COMMISSION
JAN 02 1985
CONSERVATION DIVISION
Wichita, Kansas

9-15-22

HUGHES DRILLING CO.

Wellsville, Kansas 66092

CORE TIME

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

LEASE #1 Jim Hart
FORMATION Bartlesville (2nd core
DATE: 9/12/84

Ron 913-883-
Clay 913-883-438

(RPM 90

	FEET FROM	TO	TIMES	MINUTES	REMARKS
①	827	828	10:42:00-10:44:30 STOP	2:30	Sand slightly lamin w/shale (Bleeding Oil)
②	828	829	10:57:00-11:00:30	3:30	
③	829	830	11:00:30-11:04:00	3:30	
④	830	831	11:04:00-11:06:30	2:30	
⑤	831	832	11:06:30-11:09:30	3:00	
⑥	832	833	11:09:30-11:12:30	3:00	
⑦	833	834	11:12:30-11:15:30	3:00	
⑧	834	835	11:15:30-11:19:15	3:45	
⑨	835	836	11:19:15-11:23:00	3:45	
⑩	836	837	11:23:00-11:26:45	3:45	
⑪	837	838	11:26:45-11:30:30	3:45	
	838	839	11:30:30-11:34:30	4:00	
⑫	839	840	11:34:30-11:38:30	4:00	
⑬	840	841	11:39:00-11:43:30	4:30	Stylolitic
⑭	841	842	11:43:30-11:48:00	4:30	
⑮	842	843	11:48:00-11:52:30	4:30	
⑯	843	844	11:52:30-11:56:45	4:15	
⑰	844	845	11:56:45-12:00:45	4:00	
⑱	845	846	12:00:45-12:05:00	4:15	
⑲	846	847	12:05:00-12:09:30 STOP	4:30	