

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5682

Name: HUGHES DRILLING CO.

Address 122 N. MAIN
WELLSVILLE, KS.

City/State/Zip 66092

Purchaser: ENRON

Operator Contact Person: ROGER or CARL C. HUGHES

Phone (913) 883-2235

Contractor: Name: HUGHES DRILLING CO.

License: 5682

Wellsite Geologist: none

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.
☐ Gas ☒ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD
☐ Plug Back ☐ PBTD
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) Docket No. _____

5/28/92 6/1/92 7/2/92
spud Date Date Reached TD Completion Date

API NO. 15- 059-24,694

County FRANKLIN

NE NW SW NE Sec. 33 Twp. 15 Rge. 21 XXE

3675 3737 Feet from S/N (circle one) Line of Section

2040 2056 Feet from E/W (circle one) Line of Section
KCC

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)

Lease Name MURPHY Well # 1-I

Field Name PAOLA RANTOUL

Producing Formation # 1 SQUIRREL

Elevation: Ground na KB _____

Total Depth 725 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 II completion, cement circulated from 718

feet depth to surface w/ 88 ex cat.

Drilling Fluid Management Plan ALT 2 9/22/92 JAH
(Date must be collected from the Reserve Pit)

Chloride content na ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. 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.

Signature Carl C. Hughes

Title Partner Date 7/1/92

Subscribed and sworn to before me this 17th day of July, 19 92.

Notary Public Beatrice E. Hughes

Date Commission Expires 3-1-95

RECEIVED	
K.C.C. OFFICE USE ONLY	
F <input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C <input checked="" type="checkbox"/>	Wireline Log Received
C <input type="checkbox"/>	Geologist Report Received
DISTRIBUTION	
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/PAC
<input checked="" type="checkbox"/> KGS	<input type="checkbox"/> Plug
Other (Specify) <u>WPA</u>	

BEATRICE E. HUGHES
NOTARY PUBLIC
State of Kansas
My Appointment Exp. 3-1-95

Operator Name HUGHES DRILLING CO.Lease Name MURPHYWell # 1-ISec. 33 Twp. 15 Rge. 21☒ EastCounty FRANKLIN☐ West

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
 (Attach Additional Sheets.)

 Samples Sent to Geological Survey ☐ Yes ☒ No

 Cores Taken ☒ Yes ☐ No

 Electric Log Run ☒ Yes ☐ No
 (Submit Copy.)

 List All E.Logs Run:
GAMMA RAY-NEUTRON
☐ Log Formation (Top), Depth and Datum ☒ Sample

Name	Top	Datum
HERTHA	399-403	
#1 SQUIRREL	685-696	

 (DRILLERS LOG ATTACHED)
 (CORE DETAILS ATTACHED)

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	9 7/8	6 1/4"	11	20'	portland	5sx	none
production	5 1/4	2 3/8	7	718	portland	88sx	2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plug Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	689-694	Acid-150 gal. 15% HCl	689- 1

TUBING RECORD				Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.				Producing Method				
7/2/92 Injection				<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, submit ACD-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

Production Interval

MUST BE TYPED

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

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Designate Type of Completion

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☐ Oil ☐ SWD ☐ SIOG ☐ Temp. Abd.
☐ Gas ☒ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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☐ Plug Back ☐ PSTD
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) ☐ Docket No. _____

5/28/92 6/1/92 7/2/92
 Spud Date Date Reached TD Completion Date

API NO. 15- 059-24,694County FRANKLINNE NW SW NE Sec. 33 Twp. 15 Rge. 213675 Feet from S/N (circle one) Line of Section2040 Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name MURPHY Well # 1-IField Name PAOLA RANTOULProducing Formation # 1 SQUIRRELElevation: Ground na KB _____Total Depth 725 PSTD _____Amount of Surface Pipe Set and Cemented at 20 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 718feet depth to surface w/ 88 sx cmDrilling Fluid Management Plan
(Data must be collected from the Reserve Pit)Chloride content na ppm Fluid volume _____ bbl

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

____ Quarter Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

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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.

Signature Carl C. HughesTitle Partner Date 7/2/92Subscribed and sworn to before me this 19th day of July, 1992Notary Public Beatrice E. HughesDate Commission Expires 3-1-95

BEATRICE E. HUGHES
NOTARY PUBLIC
State of Kansas
My Appointment Exp. _____

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality Attached
 C ☐ Wireline Log Received
 C ☐ Geologist Report Received

Distribution

☐ KCC ☐ SWD/Rep ☐ NGPA
☐ KGS ☐ Plug ☐ Other
 (Specify) _____

Form ACO-1 (7-91)

CONTRACTOR

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

33-18-21E
OPERATOR

HUGHES DRILLING CO.
122 NORTH MAIN
WELLSVILLE, KS. 66092

LOG

MURPHY
WELL #1-I
FRANKLIN CO., KANSAS
SEC. 33, TWP. 15s, RNG. 21e

API # 15-059-24,694
3675 FSL
2040 FEL
NW SW NE

5/28/92-6/1/92

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.
3	Soil	3	14	Shale	63
18	Clay	21	4	Lime (Hard Brown)	63
23	Lime	44	6	Shale (Slate 635-636)	64
9	Shale(Dark)	52	13	Lime	65
8	Lime	60	18	Shale (Slate 671-672)	67
6	Shale	66	4	Lime	67
18	Lime	84	9	Shale (Limebreak 681)	68
10	Shale	104	11	Oil Sand #1 Squirrel	69
4	Gray Sand	108	29	Shale	72
16	Shale	124			T.
19	Lime	143			
79	Shale (Sdy 143-150)	222			
21	Lime	243			
26	Shale	269			
6	Lime	275			
18	Shale	293			
2	Lime	295			
7	Shale	332			
24	Lime 30'	356			
11	Shale (Slate 362-363)	367			
1	Lime 20'	388			
4	Shale (Slate 391-392)	392			
4	Lime	396			
3	Shale	399			
4	Lime "HERTHA"	403			
137	Shale	540			
2	Lt. Brown Sand (oil Trace)	542			
71	Shale (Slate 607-608)	613			
4	Lime	617			

5/28/92-6/1/92

Drilled 725' of 5½" hole

Set 20' of 6½" surface pipe 5/28/92

Cemented in with 5 sacks cement

Cored #1 Squirrel zone 682-702 6/1/92

Set 718' of 2 3/8" 8rd upset pipe 6/1

(Epoxy Lined)

used 3 centralizers

bolt in bottom

RECEIVED
STATE CONSERVATION COMMISSION

JUL 27 1992

CONSERVATION DIVISION
Wichita, Kansas

HUGHES DRILLING CO.

Wellsville, Kansas 66092

23-15-21E

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

CORE TIME

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

LEASE Murphy #1-I

FORMATION #1 Squirrel

DATE: 6-1-92

(RPM Shave Bit)

FROM	FEET TO	TIME	MINUTES	REMARKS
		(Took 688-693 to Core Lab (Oilfield Research))		
1 682	683	11:25:00 - 11:26:15	1:15	} Sdy white shale (oil trace)
2 683	684	11:27:45	1:30	
3 684	685	11:29:00	1:15	
4 685	686	11:30:00	1:00	- Sand slightly lamin w/shale (bleeding)
5 686	687	11:32:30	2:30	} shale (sdy) (oil trace)
6 687	688	11:35:15	2:45	
7 688	689	11:36:15	1:00	} Solid Sand (few scattered shale streaks) (bleeding oil) 688-693
8 689	690	11:37:00	:45	
9 690	691	11:37:45	:45	
10 691	692	11:38:45	1:00	
11 692	693	11:39:45	1:00	} Sand lamin w/shale (bleeding)
12 693	694	11:41:30	1:45	
13 694	695	11:43:00	1:30	
14 695	696	11:44:30	1:30	} Sand very lamin w/shale (little bleeding oil)
15 696	697	11:45:45	1:15	
16 697	698	11:47:15	1:30	} shale (same thin streaks of sand) 696-699
17 698	699	11:48:45	1:30	
18 699	700	11:50:15	1:30	
19 700	701	11:52:00	1:45	
20 701	702	11:53:45	1:45	} (Perforated 7-1-92 689-693) Best Perf zone 688-693

RECEIVED
STATE OF KANSAS COMMISSION
OIL & GAS

JUL 27 1992
ALUMINUM DIVISION
Wichita, Kansas