

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

Operator: License # 5682Name: HUGHES DRILLING CO.Address 122 NORTH MAIN
WELLSVILLE, KS.City/State/Zip 66092Purchaser: EOTTOperator Contact Person: ROGER or CARL C. HUGHESPhone (913) 883-2235Contractor: Name: HUGHES DRILLING CO.License: 5682Wellsite Geologist: none

Designate Type of Completion

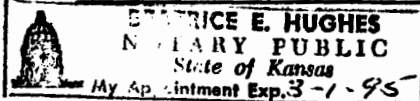
XX New Well Re-Entry WorkoverXX Oil SWD SIOW Temp. Abd. Gas ENHR SIOW Dry Other (Core, WSW, Expl., Cathodic, etc)

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 PSTD Commingled Docket No. Dual Completion Docket No. Other (SWD or Inj?) Docket No. 11/1/93 11/4/93 11/9/93
Spud Date Date Reached TD Completion DateAPI NO. 15- 059-24,778County FRANKLINNE NE NW SW Sec. 31 Twp. 15 Rge. 21 XX V2310 Feet from S (circle one) Line of Section880 Feet from E (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name HUGHES Well # 3Field Name PAOLA-RANTOULProducing Formation PERUElevation: Ground NA KBTotal Depth 815 PSTD Amount of Surface Pipe Set and Cemented at 20 FeetMultiple Stage Cementing Collar Used? Yes XX NoIf yes, show depth set FeetIf Alternate II completion, cement circulated from 620feet depth to surface w/ 72 sx cmt.Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)Chloride content na ppm Fluid volume bblsDewatering method used Location of fluid disposal if hauled offsite: Operator Name Lease Name License No. Quarter Sec. Twp. S Rng. E/VCounty 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. HughesTitle Partner Date 11/12/93Subscribed and sworn to before me this 12th day of November, 19 93.Notary Public Beatrice E. HughesDate Commission Expires 3-1-95

RECEIVED
STATE CORPORATION COMMISSION

K.C.C. OFFICE USE ONLY		
F	Letter of Confidentiality Requested	NOV 29 1993
C	Wireline Log Received	
C	Geologist Report Received	
Distribution		KANSAS CORPORATION COMMISSION Wichita, Kansas
KCC	SWD/Rep	
KGS	Plug	
	Other (Specify)	

Operator Name HUGHES DRILLING CO.Lease Name HUGHESWell # 2☒ EastCounty FRANKLINSec. 31 Twp. 15 Rge. 21☐ West

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests given, 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.)

At All E.Logs Run:

GAMMA-RAY--NEUTRON

☐ Log Formation (Top), Depth and Datum ☒ Sample

Name Top Datum

HERTHA 406 412

PERU 529 539

#1 SQUIRREL 685 686

(CORE DETAILS ATTACHED)

(DRILLERS LOG 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	8 5/8	5 1/2	9	20	portland	5	none
production	5 1/8	2 7/8	7	620	portland	72	2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	529-539	na	

TUBING RECORD	Size na	Set At	Packer At	Liner Run ☐ Yes ☒ No
Date of First, Resumed Production, SWD or Inj.	11/17/93	Producing Method ☒ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		5	0	

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

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

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

529-539

ACTOR
 HUGHES DRILLING COMPANY
 22 NORTH MAIN
 WELLSVILLE, KANSAS 66092

LOG
 HUGHES #3
 FRANKLIN CO. KS.
 SEC. 31, TWP 15s, RNG 21e

OPERATOR
 HUGHES DRILLING CO.
 122 N. MAIN
 WELLSVILLE, KS. 66092
 API # 15-059-24,778
 2310 FSL
 880 FWL
 NE,NE,NW,SW

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2	4	Lime	402
14	Clay (Brk. w/lime 13-16)	16	4	Shale	406
	Shale	32	6	Lime "HERTHA"	412
	Lime	35	114	Shale (Brk 417-421) (Sdy 421-425)	526
4	Shale (Slate 37-38)	39	3	Lime (sdy)	529
	Lime	59	13	Gray Sand (GAS)	542
6	Shale (Dark) (Slate 63-64)	65	40	Shale (Slate 570-571)	582
10	Lime	75	10	Lime	592
6	Shale	81	7	Shale (Slate 596-597)	599
17	Lime	98	6	Lime	605
39	Shale (lamin. w. gray sand 126-133)	137	5	Shale (Slate 605-606)	610
21	Lime	158	8	Lime	618
14	Shale	172	15	Shale	631
8	Gray Sand (solid)	180	3	Lime (Brown)	634
	Shale	238	9	Shale (Slate 634-635)	643
33	Lime (Slate 267-268)	271	14	Lime	657
2	Shale	273	10	Shale (some Red Bed 662-667)	667
	Lime	279	1	Lime	668
21	Shale	300	14	Shale (Slate 668-669) (Brk 670-677) (White 679-682)	682
3	Lime	303	2	Lt. Brown Sand	684
19	Shale	322	1	Shale	685
1	Lime	323	2	Brown Sand	687
16	Shale	339	66	Shale (Sdy 733-740)	753
24	Lime 30' (Shale 346-348)	363	4	Sdy Shale	767
8	Shale (Slate 369-370)	371	17	Shale (Slate 773-774)	774
23	Lime 20'	394			
4	Shale (Slate 397-398)	398			

(continued on pg. 2)

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 Wichita, Kansas

TRACTOR

OPERATOR

HUGHES DRILLING COMPANY
22 NORTH MAIN
WELLSVILLE, KANSAS 66092

LOG

HUGHES #3
cont.

API #15-059-24778

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
6	Lt. Shale	780			
3	Shale (Brk 780-783)	783			
2	Lime	785			
7	Lt. Shale	792			
4	Gray Sand (Hard)	796			
4	SHale	800			
3	Lt. Shale	803			
2	Red Bed	806			
5	Shale	811			
4	Dark Shale	815			
		T.D.			

11/1/93-11/5/93

Drilled 815' of 5 1/8" hole

11/1-Set 20' of 5 1/2" surface pipe
cemented in with 5 sacks cement

11/3-Cored Peru zone 530-545

11/4-Cored #1 Squirrel zone 683-703

11/5-Set 620' of 2 7/8" 8rd upset pipe
used 2 centralizers
bolt in bottom

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CONSERVATION DIVISION
Wichita, Kansas

HUGHES DRILLING CO.

Wellsville, Kansas 66092

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

CORE TIME

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

LEASE Roger Hughes #3

FORMATION PecU

DATE: 11-3-93

(RPM Shave Bit)

API#15-059-24778

FROM	FEET TO	TIME	MINUTES	REMARKS
528	528	Ch. Sample	-	Sdy Gray line
529	528	Ch. Sample	-	Sdy Gray line
529	529	Ch. Sample	-	Gray Sand
530	531	11:15:00-11:15:30	:30	Solid Gray Sand (A few shale streaks)
531	532	11:15:30-11:15:45	:15	
532	533	11:15:45-11:16:30	:45	
533	534	11:16:30-11:17:15	:45	Solid Gray Sand
534	535	11:17:15-11:17:30	:15	
535	536	11:17:30-11:18:00	:30	
536	537	11:18:00-11:18:45	:45	Gray Sand Lamin, w/shale
537	538	11:18:45-11:19:30	:45	
538	539	11:19:30-11:20:15	:45	
539	540	11:20:15-11:21:15	1:00	Shale (Sdy 542-544)
540	541	11:21:15-11:22:00	:45	
541	542	11:22:00-11:23:00	1:00	
542	543	11:23:00-11:24:15	1:15	Shale (Sdy 542-544)
543	544	11:24:15-11:25:15	1:00	
544	545	11:25:15-11:26:30	1:15	
545	546	11/4/93		11/3/93
546	547	Fluid Level was		Bailed Hole down to
547	548	at 240'		Lots of gas coming
548	549			through fluid
549	550			(some gas coming from above 470')

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TO THE COMMISSION

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CONSERVATION DIVISION
Wichita, Kansas

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API#15-059-24778

NO GOOD
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