

19-14-22E

COPY

Sub
WHEN 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

Operator: License # 3074
Name: Robert S. Harwell, Inc.
Address 2801 NW Expressway #132
City/State/Zip Oklahoma City, OK 73112
Purchaser: Crude Marketing
Operator Contact Person: Robert S. Harwell
Phone (405) 842-4088
Contractor: Name: Hughes Drilling
License: _____
Wellsite Geologist: none
Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, USW, 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 Bucket No. _____
 Dual Completion Bucket No. _____
 Other (SWD or Inj?) Bucket No. _____
11-9-95 11-14-95 11-14-95
Spud Date Date Reached TD Completion Date

API NO. 15- 091-22,679
County Johnson
SE- SE- SE Sec. 19 Twp. 14 Rge. 22 NE NW SW
660 Feet from S/N (circle one) Line of Section
660 Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name North Gordon Well # 14
Field Name Longanecker
Producing Formation Bartlesville
Elevation: Ground 975 KB n/a
Total Depth 955 PSTD _____
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 938
feet depth to Surface w/ 105 ex cat.
Drilling Fluid Management Plan ALT 3-27-96
(Data must be collected from the Reserve Pit)
used fresh water for drilling
Chloride content n/a ppm Fluid volume n/a bbls
Desulfuring method used _____
Location of fluid disposal if hauled offsite:
Operator Name _____
Lease Name _____ License No. _____
Quarter Sec. Twp. S Rng. E/W
County _____ Bucket 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 Robert S. Harwell
Title President Date 12/12/95
Subscribed and sworn to before me this 12 day of December
19 95.
Notary Public Marsha Bennett
Date Commission Expires 10-17-99

E.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
RECEIVED
STATE CORPORATION COMMISSION
DEC 15 1995
ECC SWD/Rep NCPA
ECS Plug Other (Specify) JS

SIDE TWO

Operator Name Robert S. Harwell, Inc. Lease Name North Gordon Well # 14
 Sec. 19 Twp. 14 Rge. 22 East West
 County Johnson

COPY

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:

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Hertha	427	
Knobtown	464-468	
Squirrel	762-767	
Bartlesville	881-885	
TD	955	

cased hole gamma ray/neutron

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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 1/2		22	portland	5	
production	5 1/8	5 1/8		937	portland	105	

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 TB					
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
2	879-886		spot acid on perforations & frac w/70 bbls. of oil & 25 sacks of sand	

TUBING RECORD Size 1" Set At 937 Packer At _____ Liner Run Yes No

Date of First, Resumed Production, SUD or Inj. 12--7-95 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	1		23

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACD-18.)

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Cemented Other (Specify) _____

Production Interval 879-886

HUGHES DRILLING COMPANY
 122 NORTH MAIN
 WELLSVILLE, KANSAS 66092

Robert S. Harwell
 2801 NW Expressway 313
 Oklahoma City, Ok. 731

LOG
 North Gordon

ORIGINAL

Well # 14
 Johnson Co., Ks.
 Sec. 19, Rng. 14S, Twp. 22E
 SE SE

API #15-091-226790000

660' from line of S
 660' from line of S

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
2	Soil	2	26	Lime 30'	380
19	Clay (Sandstone 15-16)	21		(Shale 364-366)	
3	Shale	24	5	Shale	385
4	Clay (Lamin. w/Limestone)	28	23	(Slate 383-384)	
2	Lime	30	5	Lime 20'	408
2	Clay	32	5	Shale	413
32	Shale	64		(Slate 412-413)	
5	Lime	69	4	Lime	417
4	Shale	73	5	Shale	422
7	Lime	80	5	Lime "HERTHA")	427
7	Shale	87	37	Shale	464
15	Lime	102	4	Gray Sand ("KNOBTOWN") (Gas odor)	468
8	Dark Shale (Slate 108-109)	110	70	Shale	538
8	Lime	118	6	Lt. Shale (Sdy.)	544
8	Shale	126	58	Shale	602
21	Lime	147	7	Lime	609
18	Shale (Sdy. 153-160)	165	2	Shale	611
21	Lime	186	3	Lime	614
6	Shale	192	8	Shale	622
11	Lime	203	6	Lime	628
9	Shale	212	15	Shale	643
31	Lime	243	4	Lime (Brown)	647
21	Shale	264	9	Shale	656
8	Lime	272	4	Lime	660
17	Shale	289	23	Shale	683
6	Lime	295	6	Lime	689
7	Shale	302	50	Shale	739
12	Lime	314		(Lt. Sdy. 696-704)	
26	Shale	340	1	Lime	740
2	Lime	342	10	Shale	750
12	Shale	354	1	Lime	751
			10	Shale	761
			1	Brown Sand(oil show) (#2 SQUIREL") (Very lamin. w. Shale)	762

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 STATE CORPORATION COMMISSION
 WICHITA, KANSAS
 DEC 10 1955

CONTRACTOR

OPERATOR

ORIGINAL

HUGHES DRILLING COMPANY
122 NORTH MAIN
WELLSVILLE, KANSAS 66092

LOG
North Gordon
Well No. 14
Cont.

API # 15-091-22679

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
5	Shale	767			
3	Brown Sand (Very lamin. w/shale) (Oil show)	770			
21	Shale	791			
3	Lime	794			
10	Shale	804			
4	Lime(Broken)	808			
8	Shale (Slate 815-816)	816			
10	Lt. Shale	826			
27	Shale	853			
9	Dark Shale	862			
17	Shale (Lt. 868-871) (Some Red Bed 871-873)	879			
2	White Shale	881			
4	Oil Sand ("BARTLESVILLE")	885			
1	Sdy. Lime	886			
3	Broken Sand	889			
56	Shale	955 T.D.			

11/9/95-11/14/95

Drilled 955' of 5 1/8" hole.

11/9/95

Set 22.45' of 6 1/4" surface pipe 9 7/8" hole)

11/13/95

Sample checked "Bartlesville zone 879'-892'.

11/14/95

Set 937.65' of 2 7/8" 8 rd. upset pipe.

Used 3 centralizers.

Float shoe on bottom.

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STATE CORPORATION COMMISSION

DEC 15 1995

WELLSVILLE, KANSAS