

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

API NO. 15- 091-22,528

County Johnson

COPY

NW-NW-SE-SE Sec. 19 Twp. 14 Rge. 22 ^{XX} _E

1100 Feet from (S) (circle one) Line of Section

1100 Feet from (E) (circle one) Line of Section

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

Lease Name North Gordon Well # 10

Field Name Longanecker

Producing Formation Bartlesville

Elevation: Ground 975 KB n/a

Total Depth 943 PBDT n/a

Amount of Surface Pipe Set and Cemented at 20 Feet

Multipla Stage Cementing Collar Used? Yes XXX No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cnt.

Drilling Fluid Management Plan 7-22-93
(Data must be collected from the Reserve Pit)

used fresh water

Chloride content n/a ppm Fluid volume n/a 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. _____

Operator: License # 3074

Name: Robert S. Harwell^{II}, 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: Central Plains Drilling

License: 3550

Wellsite Geologist: none

Designate Type of Completion

XX New Well Re-Entry Workover

XX Oil SWD S1OW Temp. Abd.

 Gas ENHR S1GW

 Dry Other (Core, MSW, 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 PBDT

 Commingled Docket No. _____

 Dual Completion Docket No. _____

 Other (SWD or Inj?) Docket No. _____

3-22-93 3-26-93 3-26-93

Spud Date Date Reached TD Completion Date

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 7-13-93

scribed and sworn to before me this 13 day of July 93.

Notary Public Jeresa A. Longstreet

Date Commission Expires July 10, 1995

K.C.C. OFFICE USE ONLY

F Letter of Confidentiality Attached

C Wireline Log Received

C Geologist Report Received

Distribution

 KCC SWD/Rep

 KGS Plug

RECEIVED

STATE CORPORATION COMMISSION

JUL 15 1993

NGPA

CONSERVATION DIVISION

(Specify)

Operator Name Robert S. Harwell, Inc. Lease Name North Gordon Well # 10

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Base of Kansas City		419
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Squirrel Sand		753-758
List All E.Logs Run:		Bartlesville Sand		873-880
		TD		943

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	6 1/4	6 1/8		20 ft.	portland	6 sacks	
production	5 1/8	2 7/8		927 ft.	portland	104 sacks	

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 Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
2	374-879		spot acid on perfs	
			frac with 70 bbls of lease	
			oil and 25 sacks of sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	1" tubing	925		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method			
5-2-93	<input type="checkbox"/> Flowing <input checked="" 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
	5	0	1	

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

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

Production Interval: 874-879

RECEIVED
 STATE COMMISSION
 JUL 15 1993
 CONSERVATION DIVISION
 Wichita, Kansas

DRILLER'S LOG

COPY

Date 3/22/93				API # 15-091-22,528			
Operator Robert Harwell				Contractor Central Plains Drilling License # 3550			
Address 2801 NW Expressway #132 OKC 73112				Address 910 N. Poplar Ottawa, Ks. 66067			
Lease N. Gordon		Well # 10		County Johnson		State Ks	Legal 19-14-22E

Total	Formations	from	to	Total	Formations	from	to
61	Soil & clay	0	61	6	Lime Hertha	413	419
36	Lime w/shale break	61	97	171	Shale	419	590
23	Shale	97	120	15	Lime Altamont	590	605
19	Lime	120	139	6	Shale	605	611
21	Shale	139	160	9	Lime	611	620
34	Lime	160	194	12	Shale	620	632
11	Shale	194	205	4	Lime	632	636
32	Lime	205	237	11	Shale	636	647
19	Shale	237	256	4	Lime	647	651
54	Lime w/shale break	256	310	20	Shale	651	671
18	Shale	310	328	3	Lime	671	674
	Lime	328	403	79	Shale	674	753
3	Shale	403	406	5	Sand Oil fair bleeding	753	758
3	Lime	406	409	115	Shale	758	873
4	Shale	409	413	7	Sand Oil (broken)	873	880
Total Footage Drilled 943'				Total Footage Cored 27' 875' - 902'			

Mud Used	Spud Date: 3/22/93 22' of 6 1/4" 6sx Portland
Bits Used, Size and Type 5 1/4" to 443' 5 1/8" to TD	Run pipe & cement 3/26/93

Cased—from 0 to 927	Size 2 7/8"
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Details - Remarks

	Hrs	Helper		Hr
Driller				
Helper				

JUL 13 1993