

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

rater: License # 3074Name: Robert S. Harwell, Inc.Address 2801 nW Expressway 3132City/State/Zip Oklahoma City, OK 73112Purchaser: Crude MarketingOperator Contact Person: Robert S. HarwellPhone (405) 842-4088Contractor: Name: Hawkeye DrillingLicense: 5335Wellsite 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.)injection well

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. _____10-20-92 10-22-92 10-26-92

Spud Date Date Reached TD Completion Date

API NO. 15- 091-22,526County Johnson~~SW~~ - ~~NE~~ - NE Sec. 31 Twp. 14 Rge. 22 ☒ E ☐ V464 4785 Feet from SW (circle one) Line of Section375 385 Feet from EW (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Knabe Well # 9AField Name Longanecker SEProducing Formation BartlesvilleElevation: Ground 975 KB n/aTotal Depth 960 PBTD _____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 _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan DLT 12-7-92
(Data must be collected from the Reserve Pit)

Chloride content _____ 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 Robert S. HarwellTitle Operator Date 11-10-92Described and sworn to before me this 10 day of NovemberNotary Public Teressa A. LongworthDate 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 ☐ NGPA
☒ KGS ☐ Plug ☐ Other
(Specify)

SIDE TWO

Operator Name Robert S. Harwell, Inc.Lease Name KnabeWell # 9ASec. 31 Twp. 14S Rge. 22
☒ East
☐ WestCounty Johnson

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests .ng 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.)	☐ Yes ☒ No	☐ Log	Formation (Top), Depth and Datum	☒ Sample
Samples Sent to Geological Survey	☐ Yes ☒ No	Name	Top	Datum
Cores Taken	☒ Yes ☐ No	Bottom of Kansas City Lime 426		
Electric Log Run (Submit Copy.)	☒ Yes ☐ No	Bartlesville Sand 886-904		
List All E.Logs Run:		TD 960		

Gamma Ray-Neutron

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	6 5/8	6 1/4		20 ft	portland	6 sacks	
production	5 1/8	2 7/8		960	portland	118 sacks	

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	892-900	spot acid on perforations and breakdown with 250 gallons of of 15% acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☒ No
	none				
Date of First, Resumed Production, SWD or Inj.	Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)				
WAITING ON KCC APPROVAL FOR INJECTION					
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water Bbls. Gas-Oil Ratio Gr /

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)

892-900

HAWKEYE DRILLING

4118 Reno Road
R.R. 2 Box 73A
Wellsville, Kansas 66092
913-883-2013

COPY

960' Pipe

Lease Knabe
Well # 9A
Date 10/21/92
API 15-091-22,526

1 2 3 4 5 6 7 8 9 10 11 12
47 47 47 47 47 47 47 47 47 47 47 47
Drill Log

Thickness	Formation	Total Depth	Remarks	Thickness	Formation	Total Depth	Remarks
18	clay	18		18	shale	829	
3	Lime	21		1	Lime	830	
47	shale	68		8	sand	838	
4	Lime	72		46	shale	884	
2	shale	74		1	Lime	885	
16	Lime	90		1	sand	886	
7	shale	97			core		
10	Lime	107		.29		887	
7	shale	114		1.15		888	
20	Lime	134		47		889	
21	shale	155		1.01		890	
30	Lime	185		.41		891	
12	shale	197		.42		892	
10	Lime	207		1.02		893	
11	shale	218		1.21		894	
28	Lime	246		1.23		895	
16	shale	262		.50		896	
7	Lime	269		1.21		897	
18	shale	287		1.11		898	
8	Lime	295		1.00		899	
13	shale	308		.73		900	
6	Lime	314		.45		901	
36	shale	350		.56		902	
5	Lime	355		.55		903	
3	shale	358		.59		904	
16	Lime	374		2.55		905	
8	shale	382		55	shale	960 TD	
24	Lime	406					
8	shale	414					
12	Lime	426					
170	shale	596					
6	Lime	602					
35	shale	637					
4	Lime	641					
37	shale	678					
3	Lime	681					
48	shale	729					
4	Lime	733					
11	shale	744					
2	Lime	746					
23	shale	769					
5	Lime	774					
35	shale	809					
2	Lime	811					

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