

9th

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

Operator: License # ...3074.....
NameRobert S. Harwell.....
Address ...2801 NW Expressway.....
.....#132.....
City/State/Zip ..Oklahoma City, OK....
73112
PurchaserEnron.....

Operator Contact PersonRobert Harwell.....
Phone ...405.842-4088.....

Contractor: License #5335.....
NameHawkeye Drilling.....

Wellsite Geologist.....none.....
Phone.....none.....

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)

If OWNO: old well info as follows:

Operator
Well Name
Comp. DateOld Total Depth.....

WELL HISTORY

Drilling Method:

☐ Mud Rotary ☐ Air Rotary ☐ Cable

..11-08-89 ..11-10-89. ..11-10-89.
Spud Date Date Reached TD Completion Date

....950.....
Total Depth 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 2 completion, cement circulated
from.....feet depth to.....w/.....SX cmt
Cement Company Name ...Consolidated.....
Invoice #75172.....

API NO. 15-.....091.22.134.....

County.....Johnson.....

.SE. .SE. .NE. Sec.31. Twp..14Rge.22. ☒ East ☐ West
2814 FSL 164 FEL - KCC record
2845
165
Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

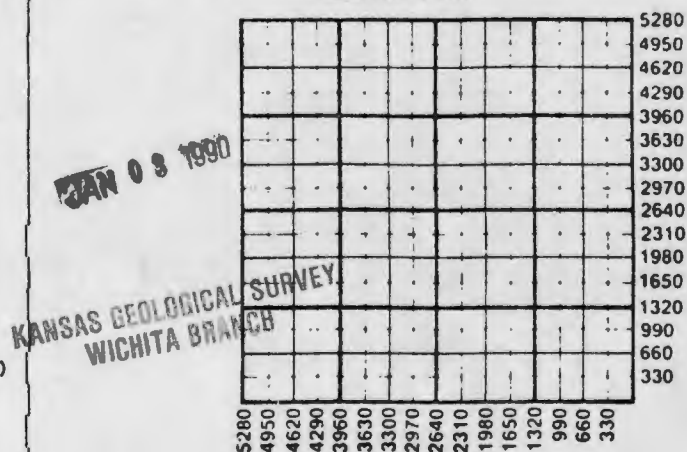
Lease Name.....Knabe.....Well #....7....

Field Name.....Longanecker SE.....

Producing Formation....Bartlesville.....

Elevation: Ground...n/a.....KB...n/a.....

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: ☐ Disposal
Docket # ☐ Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:

Division of Water Resources Permit #.....

☐ Groundwater.....Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
Sec Twp Rge ☐ East ☐ West

☐ Surface Water.....Ft North from Southeast Corner
(Stream, pond etc).....Ft West from Southeast Corner
Sec Twp Rge ☐ East ☐ West

☐ Other (explain).....
(purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

SIDE TWO

31-14-22F

Operator Name Robert S. Harwell Lease Name Knabe Well #... 7....

Sec... 31... Twp... 14... Rge... 22... ☒ East ☐ West County... Johnson.....

WELL LOG

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
 Samples Sent to Geological Survey ☐ Yes ☒ No
 Cores Taken ☒ Yes ☐ No

Formation Description
☐ Log ☐ Sample

Name Top Bottom

Base of Kansas City 430
 Cattleman Sand 816-821
 Bartlesville Sand 876-890
 TD 950

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	5 Bbls	MCF	0 Bbls	CFPB	22

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented
☐ Sold
☐ Used on Lease

☐ Open Hole ☒ Perforation
☐ Other (Specify)

.....876-878...

STATE CORPORATION COMMISSION

880-889

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	6.1/4	6.5/8		20	portland	5 sacks	
Production		2.7/8		937	portland	115 sacks	

PERFORATION RECORD

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	876-878	25 sacks of sand	
	880-889	80 bbl of oil	

TUBING RECORD

Size 1"

Set At

Packer at

Liner Run

☐ Yes ☒ No

Date of First Production

11-25-89

Producing Method

☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....

HAWKEYE DRILLING

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

314-22E

Lease

KNABE

Well #

#7 11-7-89

Elevation

15-091-22, 134

1 2 3 4 5 6 7 8 9 10
H H H H H H H H H H

939.45' pipe

Drill Log

Thickness	Formation	Total Depth	Remarks	Thickness	Formation	Total Depth	Remarks
18	CLAY	18		42	Shale	719	
6	lime	22		2	lime	721	
44	Shale	70		21	Shale	742	
5	lime	75			lime	743	
2	Shale	77		20	Shale	765	
16	lime	93		2	lime	767	
8	Shale	101		38	Shale	805	
9	lime	110		1	lime	806	
7	Shale	117		40	Shale	846	
13	lime	130		1	lime	847	
22	Shale	152		2	Shale	849	
13	lime	165		1	lime	850	
6	Shale	171		16	Shale	866	
9	lime	180		1	lime	867	
15	Shale	195			SAND		
3	lime	198		1.16	lime	875	
26	Shale	224		1.13	lime	876	
24	lime	248		.15	VC	877	
15	Shale	263		.23	"	878	
5	lime	268		.34	"	879	
1	Shale	272		.19	"	880	
3	lime	275		.18	"	881	
19	Shale	294		.54	"	882	
8	lime	302		.21	"	883	
4	Shale	306		.25	"	884	
6	lime	312		.24	"	885	
33	Shale	345		.26	"	886	
3	lime	348		1.28	"	887	
9	Shale	357		1.57	Shale	888	
24	lime	381		2.15	"	889	
3	Shale	384		2.47	"	890	
23	lime	407		3.01	"	891	
5	Shale	412		59	Shale	950 TD	
7	lime	419					
6	Shale	423					
7	lime	430					
165	Shale	595					
3	lime	598					
1	Shale	599					
1	lime	600					
21	Shale	621					
15	lime	636					
7	Shale	643					
5	lime	648					
7	Shale	655					
5	lime	660					
3	Shale	663					
3	lime	666					

KANSAS GEOLOGICAL SURVEY
WICHITA BRANCH
JAN 03 2000

STATE

MISSION

DEPT

1989

CONS

MISSION