

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

COPY

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 3074
Name: Robert S. Harwell, Inc.
Address: 2809 NW Expressway #490
City/State/Zip: Oklahoma City, OK 73112
Purchaser: C.M.T.
Operator Contact Person: Robert S. Harwell
Phone: (405) 842-4088

Contractor: Name: Town Oil
License: 6142
Wellsite Geologist: none

Designate Type of Completion:

☒ New Well ☐ Re-Entry ☐ Workover
☐ Oil ☐ SWD ☐ SIOW ☐ ENHR ☐ SIGW
☐ Gas ☒ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows: CONSERVATION DIVISION
WICHITA, KS

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Enhr./SWD

☐ Plug Back ☐ Plug Back Total Depth

☐ Commingled ☐ Docket No. _____

☐ Dual Completion ☐ Docket No. _____

☐ Other (SWD or Enhr.?) ☐ Docket No. _____

11/5/07 11/7/07 11/7/07
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15 059 25231-50-00

County: Franklin

S/2 SW - SW Sec. 8 Twp. 16 S. R. 21 ☒ East ☐ West

220 232 feet from (S) N (circle one) Line of Section

4620 4997 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE ☒ SE NW SW

Lease Name: Shoemaker Well #: 17

Field Name: Paola-Rantoul

Producing Formation: Squirrel

Elevation: Ground: n/a Kelly Bushing: n/a

Total Depth: 702 Plug Back Total Depth: _____

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 _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

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. R. _____ ☐ East ☐ West

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: _____

Title: President Date: 1/10/08

Subscribed and sworn to before me this _____ day of January

20 08

Notary Public: Christy Lyles

Date Commission Expires: 12/17/09
#01020368

KCC Office Use ONLY

N Letter of Confidentiality Received

If Denied, Yes ☐ Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

AL SEAL
LYLES

PUBLIC OKLAHOMA
DIVISION #01020368
ES DEC. 17, 2009
OKLAHOMA COUNTY

Operator Name: Robert S. Harwell, Inc. Lease Name: Shoemaker Well #: 17
 Sec. 8 Twp. 16 S. R. 21 ☒ East ☐ West County: Franklin

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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

Base of Hertha 392
 Squirrel Sand 651-659
 TD 702

waiting on log to be run

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 7/8	6 1/4		20 ft.	portland	6	
production	5 5/8	2 7/8		678	50/50 poz	98 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	will eventually perforate 650-658	will spot acid on perfs and breakdown with 500 gallons of acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run
Injection well - waiting on KCC approval for injection				☐ Yes ☒ No
Date of First, Resumerd Production, SWD or Enhr.	Producing Method			
	☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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) _____

TOWN OIL COMPANY, INC.

"Drilling and Production"

16205 W 287th Street
Paola, Kansas 66071

Fax# 913-294-4823

PHONE: 913-557-5482
913-294-2125

WELL: SHOEMAKER #17

LEASE OWNER: ROBERT S. HARWELL, INC.

WELL LOG

Thickness of Strata	Formation	Total Depth
0-15	soil/clay	15
26	lime	41
7	shale	48
10	lime	58
5	shale	63
16	lime	79
43	shale	122
30	lime w/fossils	152
60	shale	212
22	lime	234
26	sandy shale	260
6	lime	266
21	shale	287
7	lime	294
8	shale	302
4	lime	306
16	shale	322
22	lime	344
2	shale	346
1	slate	347
5	shale	352
24	lime	376
3	slate	379
4	lime	383
3	shale	386
6	lime	392
110	shale	502
2	sandy lime	504
14	sandy shale	518
21	shale	539
2	slate	541
5	shale	546
3	lime	549
8	shale/shells	557
7	lime	564
9	shale	573
8	lime/shells	581
3	shale	584
4	coal	588
1	shale	589
7	lime	596
12	shale	608

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KANSAS CORPORATION COMMISSION

JAN 16 2008

CONSERVATION DIVISION
WICHITA, KS

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WELL LOG CON'T

3	lime	611
6	shale	617
11	lime	628
10	shale	638
2	slate	640
2	shale	642
2	lime	644
3	shale	647
4	sandy shale	651
5	sand	656
3	sand/broken	659
1	sandy shale	660
42	shale	702 TD

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CONSERVATION DIVISION
WICHITA, KS