

173227

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

Operator: License # 6785

Name: Schulein Company

Address 1776 Lincoln St.

Suite 811

City/State/Zip Denver, CO 80203

Purchaser: Enron

Operator Contact Person: Carl Durr

Phone (316) 478-2890

Contractor: Name: Pratt Well Service

License: \_\_\_\_\_

Well-site Geologist: NA

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  SIOV  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: Schulein Company

Well Name: Harden #1

Comp. Date 11-20-79 Old Total Depth 6493'

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back 6350'  PSTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

5/30/95 6/13/95

Spud Date of START WORKOVER Date Reached TD \_\_\_\_\_ Completion Date of WORKOVER \_\_\_\_\_

API NO. 15- 025-20-3280001

County Clark

N 1/2 -NW -SW Sec. 17 Twp. 325 Rge. 21 X E W

2310 Feet from 3/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 Harden Well # 1

Field Name Morrison

Producing Formation MORROW SAND

Elevation: Ground 2092' KB 2104'

Total Depth 6790' PSTD 6350'

Amount of Surface Pipe Set and Cemented at 827' 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 REWORK 9/2 10-12-95  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used RECEIVED

Location of fluid disposal if hauled offsite:  
STATE CORPORATION COMMISSION

SEP 18 1995

Operator Name \_\_\_\_\_

Lease Name CONSERVATION DIVISION

Wichita, Kansas

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, and the statements herein are complete and correct to the best of my knowledge.

Keith D. Engler  
Title Petroleum Engineer Date 9/8/95  
described and sworn to before me this 8th day of September  
19 95.  
Notary Public Ann P. Langston  
Date Commission Expires May 15, 1999

OCT 12 1995

K.C.C. OFFICE USE ONLY  
F  Letter of Conservation Division Attached  
C  Wireline Log Received  
C  Geologist Report Received  
Distribution  
 KCC  SWD/Rep  NEPA  
 KGS  Plug  Other (Specify) FS

Schulein Company

Lease Name Harden Well # 1

County Clark

Sec. 17 Twp. 32s Rge. 21

East  
 West

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: None

Log Formation (Top), Depth and Datum  Sample  
Name Top Datum

See original completion report

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
Conductor	26"	16"	65#/ft	100'	Premix	10yds.	2%GCl <sub>2</sub>
Surface	12-1/4"	8-5/8"	24#/ft	827'	Class H	600	1 Flaseal; 3% sct; 12.5
Production	7-7/8"	5 1/2"	14.0/15.5	6550' 5557'	Howco Lite	300sx	18% sct; 12.5#std

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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 spf.	5292' - 5304'		
	CIBP set at 6350'		
2	6417' - 6420'		

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2-7/8"	5345'	None	

Date of First, Resumed Production, SWD or Inj.	Producing Method
6/13/95	<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 200 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas:

Vented  Sold  Used on Lease

METHOD OF COMPLETION

Open Hole  Perf.  Dually Comp.  Commingled

Production Interval

5292' - 5304'