

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

023-20,256-00-00

4

API NO. 15-.....  
County.....CHEYENNE.....  
C SW SE 11 1S 38 East  
..... Sec. Twp. Rge. East  
..... West  
660  
..... Ft North from Southeast Corner of Section  
1980  
..... Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Operator: License # 5386  
Name PRODUCTION DRILLING, INC  
Address P O BOX 680  
City/State/Zip HAYS, KS 67601

Lease Name.....SHAFER.....Well # 1

Purchaser.....

Field Name.....

Operator Contact Person LARRY L. PATTERSON  
Phone (913) 625-1189

Producing Formation.....NA D and A

Elevation: Ground.....3097.....KB.....3104

Contractor: License # 8682  
Name GOLDEN EAGLE DRILLING

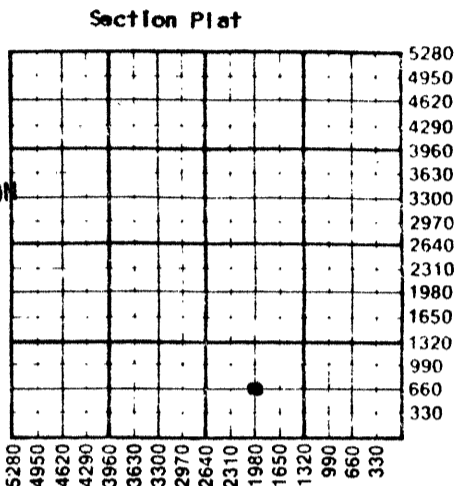
Wellsite Geologist JERRY GREEN  
Phone (913) 625-5155

Designate Type of Completion  
 New Well  Re-Entry  Workover

RECEIVED  
STATE CORPORATION COMMISSION  
08-10-1988  
AUG 10 1988  
CONSERVATION DIVISION  
Wichita, Kansas

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

If ONWO: old well info as follows:  
Operator.....  
Well Name.....  
Comp. Date.....Old Total Depth.....



WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket # .....

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717  
Source of Water:  Groundwater.....660 Ft North from Southeast Corner  
.....1980 Ft West from Southeast Corner of  
(Well) Sec 11 Twp 1 Rge 38 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. #)

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
6-17-88 6-23-88 6-23-88  
Spud Date Date Reached TD Completion Date  
4600 4600  
Total Depth PBTD

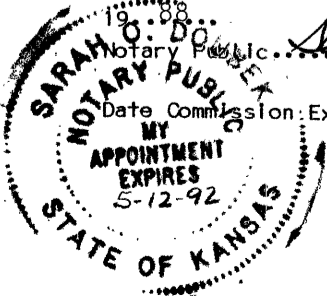
Amount of Surface Pipe Set and Cemented at.....171 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set.....feet  
If alternate 2 completion, cement circulated  
from.....feet depth to.....w/.....SX cmt  
Cement Company Name Halliburton Services  
Invoice # 614029  
A-I D&A

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.

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.....8-8-88

Subscribed and sworn to before me this 8th day of AUGUST 1988  
Notary Public Sarah O. Doubek  
Date Commission Expires 5-12-92



K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other  
(Specify)  
8-10-88

Sec 11, Twp 1, Rge 38 East

**SIDE TWO**

Operator Name ..... PRODUCTION DRILLING, INC. .... Lease Name..... SHAFER ..... Well #..... 1 .....

Sec..... 11 ..... Twp..... 1 S ..... Rge..... 38 .....  East  West ..... County..... CHEYENNE .....

**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

1. 4138-4200 30-30-30-30 IFP 38, FFP 40, ISP 65, 2nd IFP 43, 2nd FFP 43, 2nd FSP 65. Initial hydrostatic 2144, final hydrostatic 2074. Temp. 109. Recovered 5' mud.
2. 4450-4500. 45-45-45-45. IFP 38, FFP 68, ISP 680, 2nd IFP 79, 2nd FFP 88, FSP 630. Initial hydrostatic 2248, final hydrostatic 2188. Temp. 122. Recovered 180' gas, 30' clean oil, 115' oil-cut mud (oil 20%, mud 80%).

Name	Top	Bottom
Lansing-KC	4068	4380
Ft. Scott	4478	4504
Cherokee	4502	4566

<b>CASING RECORD</b> <input checked="" type="checkbox"/> New <input 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	12 1/4	8 5/8	20	171'	60-40 Pozmix	120	29% gel 3% CC
<b>PERFORATION RECORD</b> Shots Per Foot   Specify Footage of Each Interval Perforated				<b>Acid, Fracture, Shot, Cement Squeeze Record</b> (Amount and Kind of Material Used)   Depth			
<b>TUBING RECORD</b> Size      Set At      Packer at				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Producing Method					
		<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity		
	Bbls	MCF	Bbls	CFPB			

**METHOD OF COMPLETION** Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  Commingled

