

ORIGINAL

Plugged  
5-6-90

SIDE ONE

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

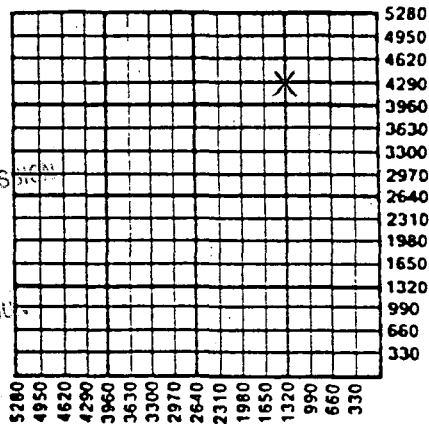
Operator: License # 4480  
Name: Blackhawk Exploration, Inc.  
Address 200 E. First, #100  
Wichita, KS 67202  
Purchaser:  
Operator Contact Person: Terry L. McLeod  
Phone (316) 265-6431  
Contractor: Name: Abercrombie Drilling, Inc.  
License: 5422  
Wellsite Geologist: Terry L. McLeod

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If OWO: old well info as follows:  
Operator:  
Well Name:  
Comp. Date 5-1-90 Old Total Depth 5-6-90

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
Spud Date 5-1-90 Date Reached TD 5-6-90 Completion Date 5-6-90

API NO. 15- 007-22,296-00-00  
County Barber  
34 NE, DL East  
S/2 N/2 NE Sec. 24 Twp. 34S Rge. 13  West  
4290 Ft. North from Southeast Corner of Section  
1320 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)  
Lease Name Sterling Well # 1  
Field Name  
Producing Formation  
Elevation: Ground 1490 KB 1502  
Total Depth 3675 PBTD



ALT 1  
D3'A

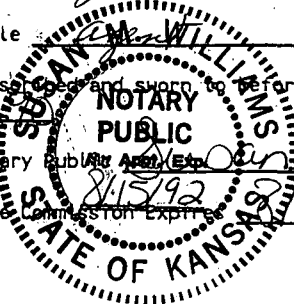
Amount of Surface Pipe Set and Cemented at 324.12 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

RECEIVED  
STATE CORPORATION COMMISSION  
JUN 21 1990  
OIL & GAS CONSERVATION DIVISION  
Wichita, Kansas

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Jack K. Wharton  
Title \_\_\_\_\_ Date 6/20/90  
Subscribed and sworn to before me this 20th day of June  
19 1990  
Notary Public M. Williams  
Date Commission Expires 8/15/92



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)

**SIDE TWO**

Operator Name Blackhawk Exploration, Inc. Lease Name Sterling Well # 1  
 Sec. 34 Twp. 34S Rge. 13  East  West  
 County Barber

**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.)

DST #1 (3605'-3625')  
 30"-45"-30"-60"  
 Rec. 270' salt water  
 ISIP 335# IFP 91#-107#  
 FSIP 335# FFP 162#-162#

**Formation Description**

Log  Sample

Name \_\_\_\_\_ Top \_\_\_\_\_ Bottom \_\_\_\_\_

**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	12 1/4	8 5/8	20#	324.12	60/40 pozmix	180	3% cc; 2% gel

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth

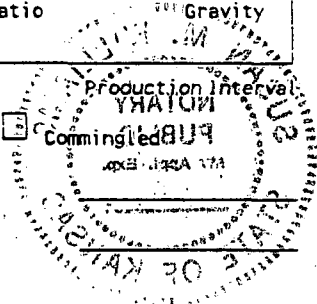
**TUBING RECORD** Size \_\_\_\_\_ Set At \_\_\_\_\_ Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production \_\_\_\_\_ 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:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**  Open Hole  Perforation  Dually Completed  Other (Specify) \_\_\_\_\_



Expected Spud Date 3 25 90  
month day year

S/2 N/2 NE Sec 24 Twp 34 S, Rg 13 East  West

OPERATOR: License # 4480  
Name: Blackhawk Exploration, Inc.  
Address: 200 E. First, Suite 100  
City/State/Zip: Wichita, KS 67202  
Contact Person: Terry L. McLeod  
Phone: (316) 265-6431

4920 - 3630 feet from South line of Section  
1320 feet from East line of Section  
(Note: Locate well on Section Plat Below)

CONTRACTOR: License #: 5422  
Name: Abercrombie Drilling, Inc.

County: Barber  
Lease Name: Sterling Well #: 1  
Field Name: Unknown  
Is this a Prorated Field? yes  no   
Target Formation(s): Elgin Sand  
Nearest lease or unit boundary: 1320'  
Ground Surface Elevation: Unknown feet MSL  
Domestic well within 330 feet: yes  no   
Municipal well within one mile: yes  no   
Depth to bottom of fresh water: 160'  
Depth to bottom of usable water: 200'  
Surface Pipe by Alternate: 1  2  
Length of Surface Pipe Planned to be set: 300'  
Length of Conductor pipe required: None  
Projected Total Depth: 3675'  
Formation at Total Depth: Elgin Sand  
Water Source for Drilling Operations:  
 well  farm pond  other

Well Drilled For: Well Class: Type Equipment:  
 Oil ... Inj ... Infield  Mud Rotary  
... Gas ... Storage ...  Pool Ext. ... Air Rotary  
... OWMO ... Disposal ... Wildcat ... Cable  
... Seismic; ... # of Holes

If OWMO: old well information as follows:  
Operator: N/A  
Well Name: \_\_\_\_\_  
Comp. Date: \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Directional, Deviated or Horizontal wellbore? yes  no   
If yes, total depth location: \_\_\_\_\_  
EXP 9-7-90  
WAS 3630 FSL 1st completion  
WAS 4920 FSL 2nd completion

DWR Permit #: Will file  
Will Cores Be Taken?: yes  no   
If yes, proposed zone: \_\_\_\_\_  
WAS section 24  
220' MIN AIT T Rec

AFFIDAVIT

PUSHER Harvey  
TD 3675 FORMATION Elgin  
SURFACE PIPE 3 1/2" @ 3241  
ANHYDRITE 100 ELEVATION 5.6  
STARTING TIME & DATE 1:00 PM  
COMPLETION TIME & DATE 2:30 PM  
1st PLUG @ 900 FT. W/ 50 SX  
2nd PLUG @ 360 FT. W/ 50 SX  
3rd PLUG @ 40 FT. W/ 10 SX  
4th PLUG @ \_\_\_\_\_ FT. W/ \_\_\_\_\_ SX  
RAT HOLE CIRCULATED W/ 15 SX  
MOUSE HOLE CIRCULATED W/ 10 SX  
WATER WELL PLUGGED W/ \_\_\_\_\_ SX  
CEMENT COMPANY Allied  
TECHNICIAN S.D.  
TYPE OF CEMENT 60/40 675

1980	
1650	
1320	
990	
660	
330	
5280	
4950	
4620	
4290	
3960	
3630	
3300	
2970	
2640	
2310	
1980	
1650	
1320	
990	
660	
330	

RECEIVED  
MAY 11 1990  
STATE CORPORATION COMMISSION

Spud date: \_\_\_\_\_ Agent: \_\_\_\_\_  
o months of effective date.)

- REMEMBER TO:
- File Drilling Pit Application (form CDP-1) with Intent to Drill;
  - File acreage attribution plat according to field proration orders;
  - Notify appropriate district office 48 hours prior to workover or re-entry;
  - Submit plugging report (CP-4) after plugging is completed;
  - Obtain written approval before disposing or injecting salt water.