

S ORIGINAL

RELEASED

SIDE ONE

1991 JAN 18 1991

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

API NO. 15- 191-22,128-00-00  
County Sumner FROM CONFIDENTIAL

NE NE NW Sec. 23 Twp. 34 Rge. 2  East  
4950 Ft. North from Southeast Corner of Section  
3020 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name CRANE "A" Well # 1  
Field Name Corbin

Producing Formation \_\_\_\_\_  
Elevation: Ground 1114 KB 1119  
Total Depth 4700 PBDT \_\_\_\_\_

Operator: License # 3667  
Name: SOURCE PETROLEUM  
Address 200 W. Douglas, Suite 820  
Wichita, KS 67202  
City/State/Zip \_\_\_\_\_  
Purchaser: \_\_\_\_\_  
Operator Contact Person: John D. Howard, JR.  
Phone (316) 262-7397

Contractor: Name: ALLEN DRILLING COMPANY  
License: 5418

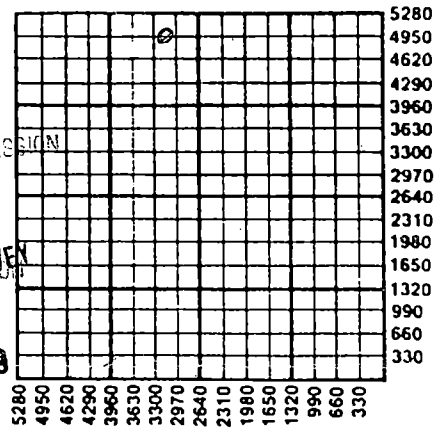
Wellsite Geologist: Timothy Pierce

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

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

Drilling Method:  
 Mud Rotary \_\_\_\_\_ Air Rotary \_\_\_\_\_ Cable \_\_\_\_\_  
9/02/89 9/12/89 9/13/89  
Spud Date Date Reached TD Completion Date

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OCT 06 1989  
KANSAS GEOLOGICAL SURVEY  
WICHITA BRANCH  
OCT 04 1989



ACT II  
D&A

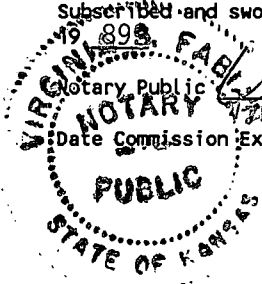
Amount of Surface Pipe Set and Cemented at 257 Feet  
Multiple Stage Cementing Collar Used? \_\_\_\_\_ Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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 John D. Howard, Jr.  
Title General Manager Date 9/28/89

Subscribed and sworn to before me this 28th day of September,  
1989  
Notary Public Virginia S. Fabian  
Date Commission Expires August 5, 1991



K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 KCC \_\_\_\_\_ SWD/Rep \_\_\_\_\_ NGPA  
 KGS \_\_\_\_\_ Plug \_\_\_\_\_ Other \_\_\_\_\_  
(Specify)

P1

**SIDE TWO**

Operator Name SOURCE PETROLEUM Lease Name CRANE "A" Well # 1  
 Sec. 23 Twp. 34 Rge. 2  East  West  
 County Sumner

**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.

RELEASED

- \* 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.)

\* See attached

**Formation Description**  
 JAN 18 1991

Log  Sample

**FROM CONFIDENTIAL**

Name	Top	Bottom
Heebner	2562	2575
Kansas City	3429	3598
Mississippi	4054	4431
Kinderhook	4431	4469
Simpson	4503	4535
Arbuckle	4618	---

**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"	25#	257'	60/40		

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

**TUBING RECORD**

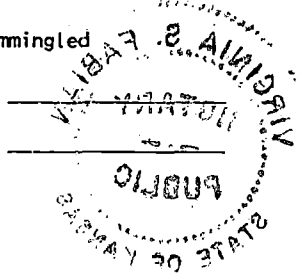
Size	Set At	Packer At	Liner Run
			<input type="checkbox"/> Yes <input type="checkbox"/> No

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 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  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_



ATTACH TO ACO-1

SOURCE PETROLEUM  
CRANE "A" #1  
NE NE NW, 23-34S-2W  
Sumner County, Kansas

ORIGINAL

DST #1 1205-1254'  
Chase Group

1st blow weak building in 5 min  
2nd blow weak building in 5 min  
Rec. 185' mcsw, chlorides 92,000 PPM  
IHP: 545 FHP: 545  
IFP: 81-104 FFP: 115-127  
ISIP: 556 FSIP: 568

DST #2 2020-2047'

Howard  
30-45 45-45  
1st blow strong in 1 min off bottom  
2nd blow strong in 1 min off bottom  
NGTS  
Rec. 240' mcsw, chlorides 138,000 PPM  
IHP: 997 FHP: 997  
IFP: 104-104 FFP: 150-162  
ISIP: 881 FSIP: 847  
BHT 100°

DST #3 4069-4078'

Mississippi  
30-45 60-60  
1st open strong blow and building  
2nd open strong blow and building  
Rec: 400' GIP, 160' MCW w/tr oil  
IHP: 2043 FHP: 2020  
IFP: 58-58 FFP: 81-104  
ISIP: 1539 FSIP: 1493  
BHT 132°, Ch1 44,000 PPM

DST #4 4497-4506'

Simpson Ss  
45-60 60-70  
1st open weak blow building to strong in 15 min  
2nd open strong blow  
Rec: 1420' GIP; 60' HOCW&M 20% G, 25% oil; 30' W, 25% mud; 60' O&GCW&M, 20% G,  
5% oil, 40% W, 35% M; 60' SOCW, 1% oil, 99% W  
IHP: 2284 FHP: 2273  
IFP: 69-81 FFP: 104-127  
ISIP: 1676 FSIP: 1676  
BHT 148°, Ch1 62,000 PPM

Straddle Test

DST #5 3463-3567'  
Missrun packer failure

DST #6 3448-3561'

60-60 60-60  
1st open weak blow building to strong in 15 min.  
2nd open weak blow building to 5".  
Rec: 345' MCW, Ch1 40,000 PPM  
IHP: 1837 FHP: 1814  
IFP: 162-191 FFP: 243-255  
ISIP: 1401 FSIP: 1366  
BHT 132°

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CONSERVATION DIVISION  
Wichita, Kansas