

COPY

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

API NO. 051-24814
County Ellis
C-N/2-SE-NE Sec. 18 Twp. 11 Rge. 17 X W

Operator: License # 3613

Name: Hallwood Petroleum, Inc.

Address 4582 So. Ulster Street Parkway
Suite 1700

City/State/Zip Denver, CO 80237

Purchaser: Koch Oil Co.

Operator Contact Person: George Hutton

Phone (316) 792-2756

Contractor: Name: Duke Drilling Company

License: 5929

Wellsite Geologist: Jim Musgrove

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD S1OW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator:

Well Name:

Comp. Date Old Total Depth

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

10/26/92 11/03/92 11/13/92
Spud Date Date Reached TD Completion Date

3630 Feet from S/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 Kollman Well # 12

Field Name Bemis Shutts

Producing Formation Arbuckle

Elevation: Ground 1835 KB 1840

Total Depth 3506' PBDT 3478

Amount of Surface Pipe Set and Cemented at 1088 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 2-22-93
(Data must be collected from the Reserve Pit)

Chloride content ppm Fluid volume bbls

Dewatering method used

Location of fluid disposal if hauled offsite:

Operator Name

Lease Name License No.

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 have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Maureen Ball

Title Sr. Eng. Tech. Date 1/28/93

Subscribed and sworn to before me this 25 day of January 1993

Notary Public Jada M. Christian

Date Commission Expires 9/1/93

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify) IS

RECEIVED
JAN 29 1993
CONSERVATION DIVISION
WICHITA, KS

Form ACO-1 (7-91)
RECEIVED
STATE CORPORATION COMMISSION

FEB 22 1993

Operator Name Hallwood Petroleum, Inc. Lease Name Kollman Well # 12

Sec. 18 Twp. 11 Rge. 17 East West
 County Ellis

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 (Attach Additional Sheets.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Name | Top | Datum |
| Cores Taken | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Anhydrite | 1074 | +766 |
| Electric Log Run (Submit Copy.) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Topeka | 2769 | -929 |
| List All E.Logs Run: | | Toronto | 3018 | -1178 |
| CAL | | Lansing | 3043 | -1203 |
| CDL/DSN | | Base | 3276 | -1436 |
| Dual Guard Fanxo | | Arbuckle | 3337 | -1497 |

| CASING RECORD <input 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 | 23# | 1088' | HL | 300 | 2% cc ^{1/4 lb/sk} Flocele |
| | | | | | 40/60 poz | 200 | 2% cc |
| Production | 7 7/8 | 5 1/2 | 15.5# | 3505' | common | 225 | 5% EA2 10% salt .75% Halid 322 last 125 sx-5#/sk Gilsonite 1/4#/sk Flocele |

| 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 |
|----------------|---|---|-------|
| 4 | 3337-9 | | |
| | | | |
| | | | |

| | | | | | |
|--|------------|---------------|--|------------------|---|
| TUBING RECORD | | Size 2 7/8 | Set At 2392 | Packer At N/A | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or Inj. 11/14/92 | | | Producing Method <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 4.5 | Bbls. | Gas 0 | Mcf | Water 484 |
| | | | | | Bbls. Gas-Oil Ratio 0 |
| | | | | | Gravity |

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: _____ 3337-9 _____