

**ORIGINAL**

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

Operator: License # 3613

Name: Hallwood Petroleum, Inc.

Address 4582 S. Ulster Street Parkway, #1700

P.O. Box 378111

City/State/Zip Denver, Colorado 80237

Purchaser: Koch

Operator Contact Person: Nonya K. Durham

Phone (303) 850-6257

Contractor: Name: \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Designate Type of Completion

New Well  Re-Entry  Workover

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

If Workover:

Operator: Energy Reserves Group, Inc.

Well Name: Marvin Braun #8

Comp. Date 10/19/79 Old Total Depth 3626'

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

11/5/96 11/7/96  
Start Date of **WORKOVER** Date Reached TD Completion Date of **WORKOVER**

API NO. 15- 051-21,7750001

County Ellis

SE - NW - NW - \_\_\_\_\_ Sec. 22 Twp. 13S Rge. 18 X W

1100 Feet from S/N (circle one) Line of Section

1100 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 M.F. Braun Well # 8

Field Name Marvin

Producing Formation Topeka & L-KC & Arbuckle

Elevation: Ground 2074' KB 2079'

Total Depth 3626' PBTB 3619'

Amount of Surface Pipe Set and Cemented at 145 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 cm.

Drilling Fluid Management Plan **REWORK JW 1-15-97**  
(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 \_\_\_\_\_ **12-16-90**

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.

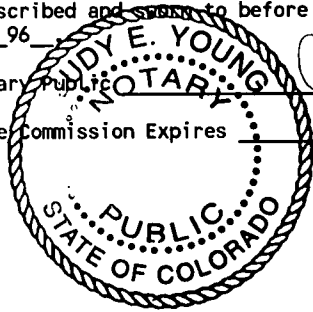
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Nonya K. Durham

Title Production Reporting Supervisor Date 12/11/96

Subscribed and sworn to before me this 11th day of December, 19 96

Notary Public Judy E. Young  
Date Commission Expires 4/19/97



**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)

Operator Name Hallwood Petroleum, Inc. Lease Name H. P. Brown Well # 3232  
 Sec. 22 Twp. 13S Rge. 18  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<br>(Attach Additional Sheets.) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datums | <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 | Topeka T-1                   | 3232'                             | (-1,153)                        |
| Electric Log Run<br>(Submit Copy.)                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Topeka T-2                   | 3246'                             | (-1,167)                        |
| List All E.Logs Run:                                  |   | Topeka T-3                   | 3268'                             | (-1,189)                        |
|   |   | L-KC "B"                     | 3387'                             | (-1,308)                        |
|   |   | L-KC "G"                     | 3460'                             | (-1,381)                        |
|   |   | L-KC "H"                     | 3497'                             | (-1,418)                        |
|   |   | L-KC "I"                     | 3521'                             | (-1,442)                        |
|   |   | Arbuckle                     | 3617'                             | (-1,538)                        |

| 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"                    | 24#             | 145'          |  | 100          |                            |
| Production  | 7 7/8"            | 5 1/2"                    | 15.5#           | 3617'         | 1st stage 215 sxs 50-50 Poz mix        |              |                            |
|   |                   | DV tool @ 1348.86'        |                 |               | 2nd stage 205 sxs Lite & 50 sxs Common |              |                            |

| 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  |          | Acid, Fracture, Shot, Cement Squeeze Record |       |
|----------------|---|----------|---|-------|
|                | Specify Footage of Each Interval Perforated |          | (Amount and Kind of Material Used)          | Depth |
| 4 spf          | 3387-94'                                    | L-KC "B" | 600 gal 15% NE acid w/Clay Stay             |       |
| 4 spf          | 3497-3505'                                  | L-KC "H" | 1200 gal 15% NE acid w/Clay Stay            |       |
| 4 spf          | 3521-27'                                    | L-KC "I" |   |       |
|                | See attachment for old perfs                |          |   |       |

|  |  |                 |                    |   |
|--|--|-----------------|--------------------|---|
| <b>TUBING RECORD</b>                                     | Size<br>2 7/8  | Set At<br>3619' | Packer At<br>N/A   | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or Inj<br>11/7/96 | 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 Bbls.<br>2.5   | Gas Mcf<br>---- | Water Bbls.<br>118 | Gas-Oil Ratio<br>----<br>Gravity<br>26.6                                      |

Disposition of Gas: N/A **METHOD OF COMPLETION** Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 3232-3626'  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

ORIGINAL

Attachment to ACO-1 Form

Braun #8

15-051-21775-0001

Old Perfs

3232-36' Topeka T-1  
3241-46' Topeka T-1  
3246-57' Topeka T-2  
3268-76' Topeka T-3  
3460-64' L-KC "G"  
3471-74' L-KC "G"  
3617-26' Arbuckle Open Hole



Acid

1400 gal 15% NE w/Clay Stay

400 gal 15% NE w/Clay Stay