

COPY
18-11-17W

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

API NO. 15- -051-22151 - 0001

County Ellis

SE - SE - NW - Sec. 18 Twp. 11S Rge. 17 X W

2970 Feet from S/N (circle one) Line of Section

2970 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 J. Carmichael "A" Well # 11

Field Name Bemis-Shuttles

Producing Formation Arbuckle + LKC + Plattsmouth

Elevation: Ground 1882 KB 1881

Total Depth 3490 PBDT 3403

Amount of Surface Pipe Set and Cemented at 2810 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1146 Feet

If Alternate II completion, cement circulated from

feet depth to w/ sx cmt.

Drilling Fluid Management Plan REWORK 8/6 6-26-95
(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.

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 X Re-Entry Workover

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

If Workover:

Operator: Energy Reserves Group

Well Name: 11 Carmichael "A"

Comp. Date 1/19/81 Old Total Depth 34

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

5-1-95

5-4-95

~~Spud~~ Date of Date Reached TD Completion Date of
REENTRY WASHDOWN

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 Technician Date 6/15/95
Subscribed and sworn to before me this 15th day of June, 1995.
Notary Public Judy E. Atkins
Date Commission Expires 1/19/97

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 J. Carmichael "A" Well # 11

W 11-81
Sec. 1B Twp. 11S Rge. 17

East

County Ellis

West

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input 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 | L-KC "G" | 3190' | (-1309) |
| Electric Log Run (Submit Copy.) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | L-KC "C" | 3132' | (-1251) |
| List All E.Logs Run: | | Plattsmouth | 3114' | (-1233) |
| | | Arbuckle | 3390' | (-1509) |

| 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 |
| | 12 1/4 | 8 5/8" | | 200' | 50/50 Poz | 225 | 2% gel 3% CC |
| | | 5 1/2" | | 3489' | 50/50 Poz | 405 | 75% CF R, 2% ge. 10% salt |
| | | DV Tool @ | | 1146' | 200 Lite & 50 | 275 | |

| ADDITIONAL CEMENTING/SQUEEZE RECORD | | | | | Common |
|---|------------------|----------------|-------------|----------------------------|--------|
| 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 | 3190-96' (L-KC "G") | | 750 gal 15% NE w/Clay Stay | 3196 |
| 4 spf | 3132-38' (L-KC "C") | | 750 gal 15% NE w/Clay Stay | 3138 |
| 4 spf | 3114-21' (Plattsmouth) | | 750 gal 15% NE w/Clay Stay | 3121 |
| 4 spf | 3390-93' (Arbuckle) | | Golden Jets | 3393 |

| | | | | | | |
|--|---|---------------------|------------------------|---|-------------------|---------|
| TUBING RECORD | Size <u>2 7/8</u> | Set At <u>3350'</u> | Packer At <u>3450'</u> | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | |
| Date of First, Resumed Production, SWD or Inj. N/A | 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 Trace | Bbls. N/A | Gas Mcf | Water Bbls. 2 | Gas-Oil Ratio N/A | Gravity |

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

(If vented, submit ACO-18.) 3390-93',
3114-3196'

Other (Specify) _____