

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

ORIGINAL

API NO. 051-23660-00-01

County Ellis

SE-SE-NW Sec. 22 Twp. 13 Rge. 18 X ^E _W

2970 Feet from S/W (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 M. Braun Well # 12

Field Name Braun/Marvin

Producing Formation Topeka/Lansing Kansas City

Elevation: Ground 2075 KB 2080

Total Depth 3681' PBDT 3658

Amount of Surface Pipe Set and Cemented at 566 Feet

Multiple Stage Cementing Collar Used? X Yes No

If yes, show depth set 1343 Feet

If Alternate II completion, cement circulated from 1343

feet depth to Surface w/ 310 sx cmt.

Drilling Fluid Management Plan 5-28-93
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume N/A bbls

Dewatering method used N/A

Location of fluid disposal if hauled offsite:

Operator Name Hallwood Petroleum, Inc.

Lease Name M. Braun License No. 3613

NW Quarter Sec. 12 Twp. 13 S Rng. 18 E/W

County Ellis Docket No. E-19, 475

Operator: License # 3613

Name: Hallwood Petroleum, Inc.

Address 4582 So. Ulster Street Parkway

Suite 1700

City/State/Zip Denver, CO 80237

Purchaser: KOCH

Operator Contact Person: Jim L. Linville, Jr.

Phone (303) 850-6210

Contractor: Name: OWS

License: 5680

Wellsite Geologist: Aven Weaverling, Foreman

Designate Type of Completion
 New Well Re-Entry X Workover

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

If Workover:

Operator: Hallwood Petroleum, Inc.

Well Name: M. Braun #12

Comp. Date 4/24/93 Old Total Depth 3681

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

N/A 11/83 N/A 11/83 4/24/93
Spud Date Date Reached TD Completion Date

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 [Signature]

Title Petroleum Engineer Date 4/27/93

Subscribed and sworn to before me this 27th day of April, 1993.

Notary Public [Signature]

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
X KCC SMD/Rep NGPA
 KGS Plug Other
(Specify)

Form ACO-1 (7-91)

RECEIVED
STATE CORPORATION COMMISSION
APR 29 1993
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name Hallwood Petroleum, Inc. Lease Name M. Braun Well # 12

Sec. 22 Twp. 13 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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No List All E.Logs Run: Logs, samples and DST's previously filed with KCC. This was a conversion of a producing well to injection.	<table border="0" style="width:100%"> <tr> <td style="width:10%"><input checked="" type="checkbox"/> Log</td> <td style="width:60%">Formation (Top), Depth and Datum</td> <td style="width:30%"><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1343</td> <td>+783</td> </tr> <tr> <td>Topeka</td> <td>3065</td> <td>-984</td> </tr> <tr> <td>G. Hill</td> <td>3243</td> <td>-1162</td> </tr> <tr> <td>Heebner</td> <td>3323</td> <td>-1242</td> </tr> <tr> <td>Toronto</td> <td>3350</td> <td>-1269</td> </tr> <tr> <td>Lansing</td> <td>3371</td> <td>-1290</td> </tr> <tr> <td>B/KC</td> <td>3621</td> <td>-1531</td> </tr> <tr> <td>Conglomerate</td> <td>3632</td> <td>-1551</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Anhydrite	1343	+783	Topeka	3065	-984	G. Hill	3243	-1162	Heebner	3323	-1242	Toronto	3350	-1269	Lansing	3371	-1290	B/KC	3621	-1531	Conglomerate	3632	-1551
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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	566	50/50 Poz	375	3% cc, 2% gel
Prod./Inj.	7 7/8	5 1/2	14	3681	Common	510 1/4# Flocele, 10% Salt	2% gel

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				N/A
<input type="checkbox"/> Protect Casing				N/A
<input type="checkbox"/> Plug Back TD				N/A
<input type="checkbox"/> Plug Off Zone				N/A

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
2 SPF	LKC "H" 3511-3514	1000 gals, 15% HCL	

TUBING RECORD		Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No	
		2 3/8	3522	3491			
Date of First, Resumed Production, SMD or Inj.			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Injection Well Other (Explain)				
<i>Waiting on KCC final inj. approval</i>							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Injection Well	Gas-Oil Ratio	Gravity		
	N/A	N/A					

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

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled Topeka/Lansing

Other (Specify) _____ Injection _____

Production Interval