

18-73-21W

COPY

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

API NO. 15- 065-22761 0000

County Graham County, Kansas

330'S-C - ~~NW~~ - ~~NW~~ Sec. 13 Twp. 9S Rge. 21 XX<sup>E</sup>W

Operator: License # 3613

Name: Hallwood Petroleum Inc.

Address P.O. Box 378111

City/State/Zip Denver, CO 80237

Purchaser: NCRA

Operator Contact Person: Nonya K. Durham

Phone (303) 850-6257

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Jim Musgrove

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SIOW  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  PBTD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Inj?)  Docket No. \_\_\_\_\_

10-14-95 10-21-95 11/15/95  
Start Date Date Reached TD Completion Date

2310 Feet from S/N (circle one) Line of Section  
2640 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 Balthazor Well # 10

Field Name Morel

Producing Formation Marmaton & L-KC

Elevation: Ground 2184' KB 2192'

Total Depth 3824 PBTD 3698'

Amount of Surface Pipe Set and Cemented at 263 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 1703'

feet depth to surface w/ 300 sx cmt.

Drilling Fluid Management Plan ALT 2 JH 9-4-96  
(Data must be collected from the Reserve Pit)

Chloride content 5,000 ppm Fluid volume 300 bbls

Dewatering method used natural evaporation

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, 130 S. Market - Room 2078, 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 Nonya K. Durham Production Technician Date 12/6/95

Subscribed and sworn to before me this 6th day of December, 19 95.

Notary Public Gudy E. Atkins

Date Commission Expires 4/19/97

K.C.C. OFFICE USE ONLY		
F	<input checked="" type="checkbox"/>	Letter of Confidentiality Attached
C	<input checked="" type="checkbox"/>	Wireline Log Received
C	<input checked="" type="checkbox"/>	Geologist Report Received
Distribution		
<input checked="" type="checkbox"/> KCC	<input type="checkbox"/> SWD/Rep	<input checked="" type="checkbox"/> NGPA
<input type="checkbox"/> KGS	<input type="checkbox"/> Plug	<input type="checkbox"/> Other (Specify)

Operator Name Hallwood Petroleum Inc. Lease Name Balthazor Well # 10

Sec. 13 Twp. 9S Rge. 21  East  West  
 County Graham County, Kansas

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  Yes  No  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)  
 List All E.Logs Run:  
 Dual Spaced Neutron  
 Cement Bond Log

Name	Formation (Top), Depth and Datum	
	Top	Datum
Anhydrite	1687'	(+ 505)
Topeka	3181'	(- 989)
Weebner	3387'	(-1195)
Toronto	3407'	(-1215)
Lansing	3424'	(-1232)
Base Kansas City	3645'	(-1453)
Marmaton	3668'	(-1476)
Simpson Dolomite	3707'	(-1515)
Simpson Sand	3721'	(-1529)
Arbuckle	3725'	(-1533)
RTD	3824'	(-1632)

CASING RECORD <input type="checkbox"/> New <input checked="" 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"	28#	263'	60/40 Poz	100	3%cc 2%gel
Production	7-7/8"	5-1/2"	15.5#	3806'	Comm. HLC	225 300	1st stage 2nd stage
		DV tool at		1703'			

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	top 3698' btm 3705'	CIBP	1	(set 2 - 1st leaked)

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 spf	3721-25' Arbuckle	250 gal 15% NE w/Clay Stay
4 spf	3725-35' Arbuckle	400 gal 15% Mod-202, 15% acid
	CIBP 3698' (Arbuckle plugged off - not producing)	
	(see attached)	

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	2 7/8	3685'		
Date of First, Resumed Production, SWD or Inj.	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
11/15/95				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
	26	-0-	159	---- 31

Disposition of Gas: N/A METHOD OF COMPLETION Production Interval  
 Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 3463-3685'  
 (If vented, submit ACO-18.)  Other (Specify) \_\_\_\_\_

Perforations for the Balthazor #10

COPY

15-065-22761

4 spf	Marmaton 3677 - 85'	100 gal 15% FE-NE w/Clay Stay
4 spf	L-KC "K" 3612 - 20'	} 2000 gal 15% FE-NE acid
4 spf	L-KC "J" 3593 - 3600'	
4 spf	L-KC "I" 3578 - 82'	
4 spf	L-KC "H" 3556 - 60'	
4 spf	L-KC "G" 3504 - 08'	} 250 gal 15% FE-NE acid
4 spf	L-KC "F" 3496 - 99'	
4 spf	L-KC "C" 3463 - 68'	500 gal 15% FE-NE acid

RECEIVED  
STATE CORPORATION COMMISSION

DEC - 3 1995

CONSERVATION DIVISION  
WELLS DIVISION

Attachment to Well Completion Form ACO-1, Well History