

ORIGINAL

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><sub>W</sub>

Operator: License # 3613

2310 Feet from S/N (circle one) Line of Section

Name: Hallwood Petroleum Inc.

2640 Feet from E/W (circle one) Line of Section

Address P.O. Box 378111

Footages Calculated from Nearest Outside Section Corner:  
NE, SE, NW or SW (circle one)

City/State/Zip Denver, CO 80237

Lease Name Balthazor Well # 10

Purchaser: NCRA

Field Name Morel

Operator Contact Person: Nonya K. Durham

Producing Formation Marmaton & L-KC

Phone (303) 850-6257

Elevation: Ground 2184' KB 2192'

Contractor: Name: Duke Drilling Co., Inc.

Total Depth 3824 PBDT 3698'

License: 5929

Amount of Surface Pipe Set and Cemented at 263 Feet

Wellsite Geologist: Jim Musgrove

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion  
 New Well  Re-Entry  Workover

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

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

If Alternate II completion, cement circulated from 1703'

feet depth to surface w/ 300 sx cmt.

If Workover:

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

Operator: \_\_\_\_\_

Chloride content 5,000 ppm Fluid volume 300 bbls

Well Name: \_\_\_\_\_

Dewatering method used natural evaporation

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

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

Operator Name \_\_\_\_\_

Lease Name \_\_\_\_\_ License No. \_\_\_\_\_

10-14-95

10-21-95

11/15/95

Spud Date

Date Reached TD

Completion Date

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 Judy 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 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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1687'	(+ 505)
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3181'	(- 989)
List All E.Logs Run:		Weebner	3387'	(-1195)
Dual Spaced Neutron		Toronto	3407'	(-1215)
Cement Bond Log		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	180 <del>100</del>	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 checked="" 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)		

<b>TUBING RECORD</b>	Size 2 7/8	Set At 3685'	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj. 11/15/95	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. 26	Gas Mcf -0-	Water Bbls. 159	Gas-Oil Ratio ----
				Gravity 31

Disposition of Gas: N/A **METHOD OF COMPLETION** Production Interval

Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled 3463-3685'

Other (Specify) \_\_\_\_\_

ORIGINAL

Perforations for the Balthazor #10

15-065-22761-00-00

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

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DEC 13 1975

CONSERVATION DIVISION  
Harrisburg, Pa.

Attachment to Well Completion Form ACO-1, Well History

CUSTOMER COPY

P.O. BOX 951046  
 DALLAS, TX 75295-1046



INVOICE

840070 10/21/1995

WELL NAME/PROJECT		STATE	
SALTHAZOR 10		KS SAME	
SERVICE LOCATION		JOB NUMBER	
DUKE DRILLING		CEMENT PRODUCTION CASING	
CONTRACTOR		DATE	
GRAHAM		10/21/1995	
ACCT. NO.	CUSTOMER AGENCY	SHIPMENT NUMBER	SHIPMENT DATE
855880	AVEN WEAVER LINC	COMPANY TRUCK	98309

HALLWOOD PETROLEUM, INC.  
 P.O. BOX 404  
 PLAINVILLE, KS 67663-0404

*Production Dept*

DIRECT CORRESPONDENCE TO:  
 P.O. BOX 1598  
 LIBERAL, KS 67905-0000

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT PRICE	TOTAL
PRICING AREA - MID CONTINENT				
000-117	MILEAGE CEMENTING ROUND TRIP	120 MI	2.85	342.00
		1 UNT		
007-013	MULT STAGE CEMENTING-1ST STAGE	3806 FT	1,570.00	1,570.00
001-016		1 UNT		
007-151	MULT STAGE CEMENTING-AUD STAGE	1 STG	1,400.00	1,400.00
		1 UNT		
018-315	MUD FLUSH	500 GAL	.65	325.00
314-163	CLAYFIX II	2 GAL	28.00	56.00
350	HALLIBURTON WELD-A	1 EA	16.75	16.75
890.10302				
80	FORM PRR SHOE FLAP VLV 6 1/2"	1 EA	2,701.00	2,701.00
855.137				
595	LATCH-DOWN SHUTOFF PLUG 5 1/2"	1 EA	465.00	465.00
012.01635				
66	CLAMP-LIMIT-5-1/2 HINGED	1 EA	11.00	11.00
806.72030				
320	BASKET-CMT-5 1/2 CES X 17"OD-	4 EA	104.00	416.00
806.71430				
82	FILL-UP UNIT	1 EA	60.00	60.00
855.02543				
71	CEMENTER-TYPE P ES 5-1/2 8RD	1 EA	2,450.00	2,450.00
813.56325				
75	PLUG SET - FREE FALL - 2-STAGE	1 EA	460.00	460.00
813.16510				
50	CENTRALIZER-TURBO-5-1/2 X 8-1/2	6 EA	75.00	450.00
805.60122				
40	CENTRALIZER-5-1/2 X 7-7/8	3 EA	60.00	180.00
805.60022				
504-308	CEMENT - STANDARD	225 SK		1,993.50
509-368	SALT	1100 LB		165.00
508-137	CAL SEAL 60	11 SK	25.90	284.90
508-291	GILSONITE BULK	1125 LB		450.00

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 WICHITA, KANSAS

\*\*\*\*\* CONTINUED ON NEXT PAGE \*\*\*\*\*

FFPX JOB TXT

TERMS: If Customer does not have an approved open account with Halliburton, all sums due are payable in cash at the time of performance of services or delivery of equipment, products or materials. If customer has an approved open account, invoices are payable on the twentieth day after date of invoice. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event Halliburton employs an attorney for collection of any account, Customer agrees to pay attorney fees of 20% of the unpaid account, plus all collection and court costs.

FORM HAL-1900-F

CUSTOMER COPY - 2'

P.O. BOX 951046  
DALLAS, TX 75395-1046



HALLIBURTON

INVOICE

ORIGINAL

840070 10/21/1995

WELL LEASE NO./PROJECT	WELL LEASE NO./PROJECT	STATE	CONTRACT NO.
HALTHAZOR 10	GRAHAM	KS	SAME
SERVICE LOCATION	CONTRACT NO.	JOB PURPOSE	
HAYS	DUKE DRILLING	CEMENT PRODUCTION CASING	10/21/1995
ACCT. NO.	CUSTOMER NAME	VENDOR NO.	CUSTOMER PHONE NUMBER
855000	AVEN WEAVERLING		
		COMPANY TRUCK	98309

HALLWOOD PETROLEUM, INC.  
P.O. BOX 404  
PLAINVILLE, KS 67663-0404

*Production  
Cry*

DIRECT CORRESPONDENCE TO  
P.O. BOX 1598  
LIBERAL, KS 67905-0000

REFERENCE NO.	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
507-775	HALAD-322	148	LB	7.00
507-210	FLOCELE	106	LB	1.65
504-310	CEMENT - HALL. LIGHT STANDARD	300	SK	8.03
500-207	BULK SERVICE CHARGE	586	CFT	1.35
500-306	MILEAGE CMTG MAT DEL OR RETURN	1482.24	TMI	.95

INVOICE SUBTOTAL	19,615.26
DISCOUNT - (BID)	4,903.79-
INVOICE BID AMOUNT	14,711.49
*-KANSAS STATE SALES TAX	579.10
*-HAYS CITY SALES TAX	118.20

INVOICE TOTAL - PLEASE PAY THIS AMOUNT \$15,408.79

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CONSERVATION DIVISION  
Wichita, Kansas

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CUSTOMER COPY



INVOICE

ORIGINAL

840000 10/14/1995

WELL LEASE NO./PROJECT		STATE	
BALTHAZOR 10	GRAMAM	KS	SAME
SERVICE LOCATION	PURPOSE	TICKET DATE	
HAYS	DUKE DRILLING	CEMENT SURFACE CASING	
10/14/1995			
ACCT NO.	CUSTOMER AGENT	VEHICLE NO.	CUSTOMER PHONE NUMBER
355860	LAURIN HERL		
		COMPANY TRUCK	97934

HALLWOOD PETROLEUM, INC.  
 P.O. BOX 404  
 PLAINVILLE, KS 67653-0404

DIRECT CORRESPONDENCE TO:  
 P.O. BOX 1598  
 LIBERAL, KS 67905-0000

*Signature*

REFERENCE NO.	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	120	MI	2.85	342.00
		1	UNT		
001-016	CEMENTING CASING	285	FT	585.00	585.00
		1	UNT		
630-603	TOP WOODEN PLUG	1	EA	95.00	95.00
		1	EA		
40	CENTRALIZER-4-5/8 X 12-1/4	1	EA	60.00	60.00
		1	EA		
806.60059					
116-202	MEASURING LINE	1	EA	235.00	N/C
504-136	CEMENT - 40/60 POZMIX STANDARD	100	SK	7.16	716.00
504-156	40/60 POZMIX STANDARD GEL	20	SK	7.16	572.80
509-408	ANHYDROUS CALCIUM CHLORIDE	4	SK	36.75	147.00
500-207	BULK SERVICE CHARGE	186	CFT	1.35	253.80
500-306	MILEAGE OMTG MAT DEL OR RETURN	450	ZIO TMI	.95	427.70

INVOICE SUBTOTAL

3,219.30

DISCOUNT - (BID)

804.82-

INVOICE BID AMOUNT

2,414.48

\*-KANSAS STATE SALES TAX

84.24

\*-HAYS CITY SALES TAX

17.19

*Balthazor 10*  
*5141009*  
*800.040*  
*Lauren Herl*

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CONSERVATION DIVISION  
 Wichita, Kansas

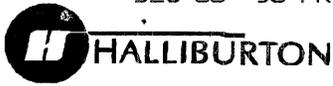
INVOICE TOTAL - PLEASE PAY THIS AMOUNT

APPX JOB TXT

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FORM HAL-1900-F

PAGE: 1



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

BILLED ON TICKET NO.

FIELD \_\_\_\_\_ SEC 13 TWP 9S RNG 21 COUNTY Graham STATE Ka

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC DATA \_\_\_\_\_ TOTAL DEPTH 266

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		23	3 1/2		438	
LINER						
TUBING						
OPEN HOLE						
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

**ORIGINAL**

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>10-14</u>	DATE <u>10-14</u>	DATE <u>10-14</u>	DATE <u>10-14</u>
TIME <u>1700</u>	TIME <u>1830</u>	TIME <u>2100</u>	TIME <u>2230</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>G. Kalmberg 71427</u>	<u>41285</u>	<u>MAYS</u>
<u>G. Blum 52160</u>	<u>3175</u>	<u>MAYS</u>
<u>T. Pharr 41672</u>	<u>3860</u>	<u>MAYS</u>

## MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN.  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN.  
 PERFPAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT CEMENT  
 DESCRIPTION OF JOB CEMENT SURFACE  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBS./ANN.   
 CUSTOMER REPRESENTATIVE X. [Signature]

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK	MIXED LBS./GAL.
	<u>100</u>	<u>4060</u>	<u>Purmix A</u>	<u>B</u>	<u>3000</u>	<u>1.27</u>	<u>141</u>
	<u>80</u>	<u>4060</u>	<u>Purmix A</u>	<u>B</u>	<u>3000</u>	<u>1.27</u>	<u>15.2</u>

PRESSURES IN PSI \_\_\_\_\_  
 CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN. \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 FEET 20 CEMENT LEFT IN PIPE \_\_\_\_\_  
 REASON 3600 psi

## SUMMARY

VOLUMES  
 PRESUSH: BBL-GAL \_\_\_\_\_  
 LOAD & BKDN: BBL-GAL \_\_\_\_\_  
 TREATMENT: BBL-GAL \_\_\_\_\_  
 CEMENT SLURRY: BBL-GAL \_\_\_\_\_  
 TOTAL VOLUME: BBL-GAL \_\_\_\_\_

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REMARKS  
 CONSERVATION DIVISION  
 Wichita, Kansas

FIELD OFFICE

