

ORIGINAL

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

Operator: License # 5428
Name: Graves Drilling Co., Inc.
Address: P.O. Box 8250
City/State/Zip: Wichita, KS 67208-0250
Purchaser: Koch Oil Company/KGS
Operator Contact Person: Fredrick W. Stump
Phone: (316) 687-2777
Contractor Name: Duke Drilling Co., Inc.
License #: 5929
Wellsite Geologist: Arden Ratzlaff
Designate Type of Completion
 New Well Re-Entry Workover Temp. Abd.
 Oil SWD SIOW
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date: _____ Old Total Depth: _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBSD
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or inj?) Docket No. _____

03-28-96 04-03-96 04-04-96
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22498 0000
County: Barber
C NW SW Sec. 3 Twp. 32S Rge. 12 W
1980 Feet from SW (circle one) Line of Section
660 Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW, SW (circle one)

Lease Name: Wheelock Well #: 1
Field Name: Whelan SW
Producing Fromation: Mississippian
Elevation: Ground 1474 ft KB 1485 ft
Total Depth: 4350 ft PBSD
Amount of Surface Pipe Set and Cemented at: 428 ft
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ ft
If Alternate II Completion, cement circulated from: _____
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan ALT 1 10-17-96
(Data must be collected from the Reserve Pit)

Chloride content 5300 ppm Fluid Volume 800 bbls
Dewatering method used Hauled

Location of fluid disposal if hauled offsite:
Operator Name: Graves Drilling Co., Inc.
Lease Name: Jacobs #1
NE/4 Quarter Sec. 13 Twp. 32S Rge. 12 W
County Barber Docket No. CD-11809
(C-20,013)

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market, Rm 2078, Wichita, KS 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-111 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

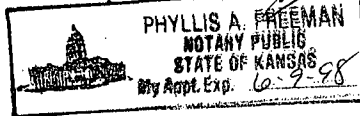
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

MAY 20 1996

Signature: Fredrick W. Stump
Fredrick W. Stump
Title: Geologist

Subscribed and sworn to before me this 17th day of May, 1996.

June 9, 1998
Dt Commission Expires Phyllis A. Freeman, Notary Public



CONSERVATION DIVISION
K.C.C. OFFICE USE ONLY WICHITA, KS
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

ORIGINAL

Operator Name: Graves Drilling Co., Inc.
Sec. 3 Twp. 32S Rge. 12 W

Lease Name: Wheelock Well # 1
Barber

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: Gamma Ray Neutron- Density - Sonic - Induction

Log Formation (Top), Depth and Datums Sample
Name Top Datum
Heebner **3509** **-2024**
Lansing **3681** **-2196**
Stark **4051** **-2742**
Mississippi **4227** **-2742**

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"	New 23#	428'	60/40 Poz	250	3% cc, 2% gel
Production	7-7/8"	5-1/2"	Used 15.50#	4347'	50/50 Poz	125	10% salt, 5% gel 2% HALAD-322

ADDITIONAL CEMENTING/ SQUEEZE RECORD					
Purpose:	Depth Top	Depth Bottom	Type of Cemen	# 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 - <small>Bridge Plugs Set/Type</small>	Acid, Fracture, Shot, Cement Squeeze Record
	Specify Footage of Each Interval Perforated	(AMOUNT AND KIND OF MATERIAL USED) Depth
2	Perf: 4222 - 4234	Az w/500 gal. retarded 50% FE Frac 15000#/100; 40000# 20/40; 60000# 12/20; w/1458 bbls wtr.

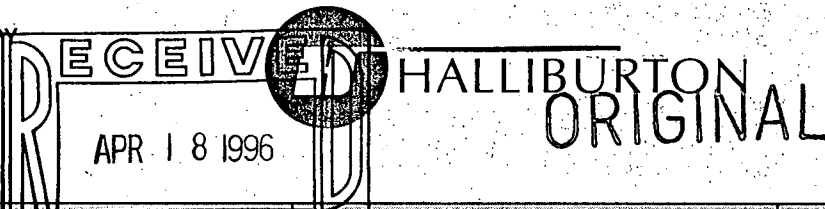
TUBING RECORD	SIZE	SET AT	PACKER AT	LINER RUN
	2-3/8"	4256'	None	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.	Producing Method			
April 18, 1996	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/>			
Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas - Oil Ratio Gravity
	25	50000	10	2000-1 31 degrees

Disposition of Gas:
 Vented Sold Used on Lease

METHOD OF COMPLETION
 Open Hole Perf. Dually Comp.
 Commingled Other (specify) _____
Production Interval 4222-4234

(If vented, submit ACO-18)

INVOICE



INVOICE NO.
968208

WELL LEASE/NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
WHEELOCR 1		BARBER		KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB/PURPOSE		TICKET	
PRATT	DUKE DRILLING #5	CEMENT PRODUCTION CASING		04/04	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	
337790	R G MILLER			COMPANY TRUCK 061	

GRAVES DRILLING CO INC
800 TALLGRASS EXECUTIVE PARK
8100 E. 22ND STREET
WICHITA, KS 67226

DIRECT CORRESPONDENCE TO:
P O BOX 428
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
PRICING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	20 MI		2.85	57.00
		1 UNT			
001-016	CEMENTING CASING	4349 FT		1,670.00	1,670.00
		1 UNT			
030-016	CEMENTING PLUG SW ALUM TOP	5 1/2 IN		60.00	60.00
		1 EA			
018-315	MUD FLUSH	500 GAL		.65	325.00
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1 EA		121.00	121.00
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1 EA		110.00	110.00
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1 EA		69.00	69.00
815.19313					
40	CENTRALIZER-5-1/2 X 7-7/8	4 EA		60.00	240.00
806.60022					
504-130	CEMENT - 50/50 POZMIX STANDARD	100 SK		7.45	745.00
508-291	GILSONITE BULK	500 LB		.40	200.00
509-968	SALT	500 LB		.15	75.00
507-775	HALAD-322	41 LB		7.00	287.00
504-130	CEMENT - 50/50 POZMIX STANDARD	25 SK		7.45	186.25
500-207	BULK SERVICE CHARGE	143 CFT		1.35	193.05
500-306	MILEAGE CNTG MAT DEL OR RETURN	57.25 TMI		.95	75.00

INVOICE SUBTOTAL

DISCOUNT - (BID)

INVOICE BID AMOUNT

*-KANSAS STATE SALES TAX

*-PRATT COUNTY SALES TAX

RECEIVED
KANSAS CORPORATION COMMISSION

MAY 20 1996

CONSERVATION DIVISION
WICHITA, KS

4,413.30
1,103.32
3,309.98
84.03
17.16

\$3,411.17

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

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.



HALLIBURTON

REMIT TO:
P.O. BOX 951046
DALLAS, TX 75395-1046

INVOICE

ORIGINAL

INVOICE NO.	DATE
968169	03/29/1996

WELL LEASE NO./PROJECT		WELL/PROJECT LOCATION		STATE	OWNER
HELAN 1		BARBER		KS	SAME
SERVICE LOCATION		CONTRACTOR	JOB PURPOSE		TICKET DATE
PRATT		DUKE DRILLING #5	CEMENT SURFACE CASING		03/29/1996
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER	SHIPPED VIA	FILE NO.
37790	R G MILLER			COMPANY TRUCK	05925

DIRECT CORRESPONDENCE TO:

GRAVES DRILLING CO INC
600 TALLGRASS EXECUTIVE PARK
8100 E 22ND STREET
WICHITA, KS 67226

P O BOX 428
HAYS KS 67601
913-625-3431

REFERENCE NO.	DESCRIPTION	QUANTITY	UM	UNIT PRICE	AMOUNT
DRILLING AREA - MID CONTINENT					
000-117	MILEAGE CEMENTING ROUND TRIP	20 MI		2.85	57.00
		1 UNT			
001-016	CEMENTING CASING	414 FT		630.00	630.00
		1 UNT			
030-503	WOODEN PLUG	8 5/8 IN		95.00	95.00
		1 EA			
504-136	CEMENT - 40/60 POZMIX STANDARD	250 SK		7.66	1,915.00
509-406	ANHYDROUS CALCIUM CHLORIDE	6 SK		36.75	220.50
500-207	BULK SERVICE CHARGE	262 CFT		1.35	353.70
500-306	MILEAGE CMTG MAT DEL OR RETURN	108.990 TMI		.95	103.54

INVOICE SUBTOTAL

3,374.74

DISCOUNT - (BID)

1,181.14

INVOICE BID AMOUNT

2,193.60

* - KANSAS STATE SALES TAX

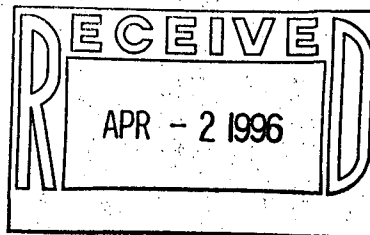
85.61

* - PRATT COUNTY SALES TAX

17.47

5304 112042

RECEIVED
KANSAS CORPORATION COMMISSION



MAY 20 1996

CONSERVATION DIVISION
WICHITA, KS

INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>

\$2,296.68

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