

SIDE ONE

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- 007-22,297-00-00

County Barber

C W/2 W/2 SW Sec. 11 Twp. 32 Rge. 12 X East West

1320 Ft. North from Southeast Corner of Section

4950 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

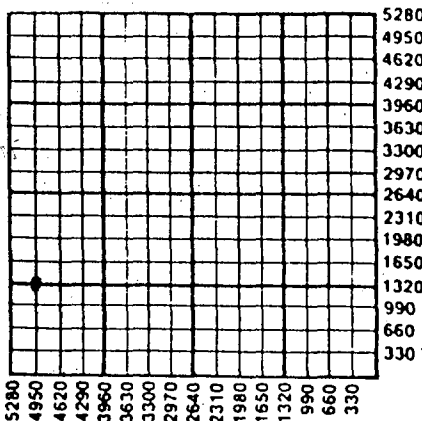
Lease Name Garten Well # 5

Field Name Bloom North

Producing Formation Mississippian

Elevation: Ground 1470' KB 1478'

Total Depth 4350' PBTD _____



Amount of Surface Pipe Set and Cemented at 483' Feet

Multiple Stage Cementing Collar Used? Yes X No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Operator: License # 5428

Name: Graves Drilling Co., Inc.

Address 8100 E. 22nd St. - Suite 800

City/State/Zip Wichita, KS 67226

Purchaser: Koch Oil Company

Operator Contact Person: John C. Graves

Phone (316) 687-2777

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: _____

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Comp.

Dry Other (Core, Water Supply, etc.)

If OMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

03-28-90 4-3-90 4-13-90

Spud Date Date Reached TD Completion Date

APR 27 1990
Wichita, Kansas

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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 drillers time log 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. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Frederic W. Strong
Title Geologist Date 4-25-90

Subscribed and sworn to before me this 25th day of April, 19 90.

Notary Public Phyllis A. Freeman
Date Commission Expires 6-9-90

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Drillers Timelog Received

Distribution

KCC SWD/Rep NGPA

KGS Plug Other (Specify)

PHYLLIS A. FREEMAN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6-9-90

YAMCO

SIDE TWO

Operator Name Graves Drilling Co., Inc. Lease Name Garten Well # 5
 Sec. 11 Twp. 32 Rge. 12 East West
 County 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.)

Formation Description		
Name	Top	Bottom
Heebner	3532'	-2054
Lansing	3709'	-2231
Mississippian	4268'	-2790
Total Depth	4351'	-2873

CASING RECORD New 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"	23#	483'	60/40poz	275	2% gel 3% cc.
Production	7-7/8"	4 1/2"		4348'	surfill	100	5# Gilsonite

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
2	4292-4294 and 4272-4282	500 gal 7 1/2% NE Frac w/39750# sand w/174 bbl. wtr.	

TUBING RECORD Size 2 3/8" Set At 4319' Packer At none Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25	20	15	1-800	33

Disposition of Gas:

Vented Sold Used on Lease
 (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Conningled
 Other (Specify) _____

Production Interval



CUSTOMER
INVOICE DATE
03/28/90

DIRECT BILLING INQUIRIES TO:	TERMS:	REMIT TO:
713-895-5821	NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	B.J. SERVICES P.O. BOX 100906 HOUSTON, TX 77212

PAGE:	INVOICE NO.:
1	RF088

GRAVES DRILLING CO. INC
P O BOX 8250
WICHITA KS 67208

AUTHORIZED BY:
610650

PURCH. ORDER REF. NO.:

WELL NUMBER : 5 CUSTOMER NUMBER : 05360000

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
GARTER	14			MEDICINE LODGE	3350
JOB LOCATION/FIELD	MTA DISTRICT		DATE OF JOB	TYPE OF SERVICE	
			03/28/90	LAND-CONDUCTOR/SURFACE	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100305	1.00	CEMENTING CASING 300 TO 1500 FT.	375.00		375.00
10100310	163.00	PLUS PER FOOT BELOW 300 FT.	0.42		68.46
10109005	8.00	MILEAGE CHRG, FROM NEAREST BASE OF	1.10		8.80
10410504	165.00	CLASS "A" CEMENT	5.30	CF	874.50
10415015	110.00	DIAMIX F	2.61	CF	287.10
10415042	709.00	A-7-P CALCIUM CHLORIDE PELLETS	0.32	LB	226.88
10420145	4.73	BJ-TITAN GEL, BENTONITE, BULK SALES	6.75	CK	31.93
10940115	1.00	MIN DRAYAGE CHRG	45.00		45.00
10880001	275.00	MIXING SERVICE CHRG DRY MATERIALS, P	0.95		261.25
10430539	1.00	8 5/8" TOP HOLE (SURFACE) PLUG	17.00	EA	17.00
SUBTOTAL					2,195.92
DISCOUNT					456.93

ACCOUNT:	<p>4.25000% STATE TAX 1.00000% COUNTY TAX APR 27 1990 CONVENT ROAD Wichita, Kansas</p>	<p>RECEIVED APR 10 1990</p>	<p>1138.31 1138.31</p>	<p>48.37 11.38</p>
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TAX EXEMPTION STATUS:	PAY THIS AMOUNT	1,798.74
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REMITTANCE ADVICE

INVOICE DATE
04/03/90

DIRECT BILLING INQUIRIES TO:	TERMS	REMIT TO:
713-895-5821	NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	B.J. SERVICES P.O. BOX 100806 HOUSTON, TX 77212

PAGE	INVOICE NO.
1	RF151

GRAVES DRILLING CO INC
P O BOX 8250
WICHITA KS 67208

AUTHORIZED BY
610702

PURCH ORDER REF. NO.

WELL NUMBER : 5 CUSTOMER NUMBER : 05360000

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
GARTEN	14			MEDICINE LODGE	3350
JOB LOCATION/FIELD	MTA DISTRICT	DATE OF JOB	TYPE OF SERVICE		
		04/03/90	LAND-LONG STRING/PRODUC		

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100320	1.00	CEMENTING CASING 3001 TO 5000 FT.	879.00		879.00
10100329	13.50	PLUS PER 100 FT. BELOW 3000 FT.	9.80		132.30
10109005	8.00	MILEAGE CHRG, FROM NEAREST BASE OF	1.10		8.80
10410504	100.00	CLASS "A" CEMENT	5.30	CF	530.00
10428020	5.64	A-10 GYPSEAL	14.60	CW	82.34
10415049	94.00	A-7-P CALCIUM CHLORIDE PELLETS	0.32	LB	30.08
10420145	0.94	BJ-TITAN GEL, BENTONITE, BULK SALES	6.75	CW	6.35
10415082	5.00	KOL SEAL	33.00	CW	165.00
10415038	3.00	A-5 SALT	7.00	CW	21.00
10425010	500.00	MUD-SWEEP, WITH BJ-TITAN PUMPING EQ	1.45	GL	725.00
10940115	1.00	MIN DRAYAGE CHRG	45.00		45.00
10880001	100.00	MIXING SEVICE CHRG DRY MATERIALS, P	0.95		95.00
10430508	1.00	4-1/2" TOP RUBBER PLUG	42.50	EA	42.50
10409600	1.00	4-1/2 REG. GUIDE SHOE B	104.00	GL	104.00
10409600	1.00	4-1/2 INSERT B	161.00	GL	161.00
10409600	4.00	4-1/2 CENTRALIZERS-B	41.75	GL	167.00

ACCOUNT

RECEIVED

APR 11 1990

TAX EXEMPTION STATUS:

J →



REMITTANCE ADVICE

INVOICE DATE
04/03/90

DIRECT BILLING INQUIRIES TO	TERMS	REMIT TO
713-895-5821	NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	B.J. SERVICES P.O. BOX 100806 HOUSTON, TX 77212

PAGE 2 INVOICE NO. RF151

GRAVES DRILLING CO. INC
P O BOX 8250
WICHITA KS 67208

AUTHORIZED BY
610702

WELL NUMBER : 5 CUSTOMER NUMBER : 05360000

PURCH. ORDER REF. NO.

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
GARTEN	14			MEDICINE LODGE	3350
JOB LOCATION/FIELD		MTA/DISTRICT	DATE OF JOB	TYPE OF SERVICE	
			04/03/90	LAND-LONG STRING/PRODUCT	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10410504	15.00	CLASS "A" CEMENT	5.30	CF	79.50
10415010	10.00	DIAMIX F	2.61	CF	26.10
10890001	25.00	MIXING SEVICE CHRQ DRY MATERIALS, P	0.95		23.75
SUBTOTAL					3,323.72
DISCOUNT					712.17

ACCOUNT			
	4.25000% STATE TAX	1681.37	71.45
	1.00000% COUNTY TAX	1681.37	16.83

TAX EXEMPTION STATUS: PAY THIS AMOUNT → 2,699.83