

ORIGINAL

SIDE ONE

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

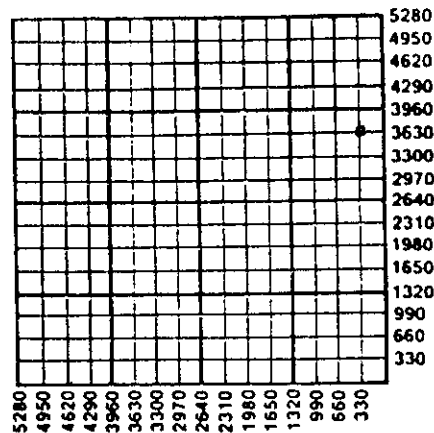
Operator: License # 5428
Name: Graves Drilling Co., Inc.
Address P.O. Box 8250
Wichita, KS 67208
Purchaser: Texaco Trading & Transportation
Operator Contact Person: Fredrick W. Stump
Phone (316 687-2777)
Contractor: Name: Lobo Drilling Company
License: 5864
Wellsite Geologist: Fredrick W. Stump

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If **OWMO**: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
12-12-90 12-19-90 1-4-91
Spud Date Date Reached TD Completion Date

API NO. 15- 077-21,228-0000
County Harper
NE SE NE Sec. 18 Twp. 31 Rge. 8 East West
3630 Ft. North from Southeast Corner of Section
330 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Jane Well # 1
Field Name Spivey-Grabs
Producing Formation Mississippian
Elevation: Ground 1665 KB 1674
Total Depth 4500' PBDT _____



Amount of Surface Pipe Set and Cemented at 253' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt

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 Fredrick W. Stump
Title Geologist Date 1-31-91

Subscribed and sworn to before me this 31st day of January
19 91.
Notary Public Phyllis A. Freeman

Date Commission Expires 6-9-94
PHYLLIS A. FREEMAN
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 6-9-94

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)
FEB 4 1991
2-4-91
CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name Graves Drilling Co., Inc. Lease Name Jane Well # 1
 Sec. 18 Twp. 31 Rge. 8 East West
 County Harper

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
Lansing	3661	(-1987)
Mississippian	4444	(-2770)
TD	4502	

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	12-3/4"	8-5/8"	23#	253'	60/40poz	200	2% gel 3% cc
Production	7-7/8"	5 1/2"	14#	4499'	Surfil	125	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4448-4456	500 gal FE Acid Frac'd w/ 20000# 100 mesh, 20000# 20/40 & 20000# 12-20 sd, w/740 bbls. gel wtr.	

TUBING RECORD Size 2 3/8 Set At 4472 Packer At none Liner Run Yes No

Date of First Production 1-11-91 Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	15		90		

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
 METHOD OF COMPLETION: Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

Production Interval



CUSTOMER

INVOICE DATE
12/12/90

15-077-21228-0000

DIRECT BILLING INQUIRIES TO: 713-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: B.J. SERVICES P.O. BOX 100806 HOUSTON, TX 77212
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PAGE 1	INVOICE NO. 2R050
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GRAVES DRILLING CO INC
P O BOX 2250
WICHITA

KS 67208

AUTHORIZED BY 636363

PURCH. ORDER REF. NO.

WELL NUMBER : 1

CUSTOMER NUMBER : 05360000

LEASE NAME AND NUMBER JANE - - -	STATE 14	COUNTY/PARISH 4	CITY	DISTRICT NAME MEDICINE LODGE	DISTR. NO. 3350
JOB LOCATION/FIELD SPIVEY GRABS	MTA DISTRICT		DATE OF JOB 12/12/90	TYPE OF SERVICE LAND-CONDUCTOR/SURFACE	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100302	1.00	CEMENT CASING 0 TO 300 FEET	440.00		440.00
10109004	26.00	MILEAGE CHRG, FROM NEAREST BASE OF	2.35		61.10
10410504	120.00	CLASS "A" CEMENT	5.50	CF	660.00
10415018	80.00	FLY ASH	2.91	CF	232.80
10420149	344.00	BJ-TITAN GEL, BENTONITE, BULK SALES	0.13	LB	44.72
10415049	516.00	A-7-P CALCIUM CHLORIDE PELLETS	0.46	LB	237.36
10880001	215.00	MIXING SEVICE CHRG DRY MATERIALS, P	1.10		236.50
10940101	234.00	DRAYAGE, PER TON MILE	0.75		175.50
10430539	1.00	8 5/8" TOP HOLE (SURFACE) PLUG	17.00	EA	17.00
10107891	1.00	FUEL SURCHARGE	43.15		43.15
SUBTOTAL					2,143.13
DISCOUNT					378.89

ACCOUNT	4.25000% STATE TAX 1.00000% COUNTY TAX	977.35 977.35	41.53 9.78
<p>RECEIVED</p> <p>FEB 4 1991 2-4-91 CONSERVATION DIVISION Wichita, Kansas</p> <p>5304 112027</p>			
TAX EXEMPTION STATUS:	PAY THIS AMOUNT		1,820.35



REMITTANCE ADVICE

INVOICE DATE
12/19/90

15-077-21228-0000

DIRECT BILLING INQUIRIES TO: 715-895-5821	TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	REMIT TO: B.J. SERVICES P.O. BOX 100808 HOUSTON, TX 77212
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GRAVES DRILLING CO INC
P O BOX 2250
WICHITA

KS 67208

AUTHORIZED BY
636394

PURCH. ORDER REF. NO.

WELL NUMBER : 1

CUSTOMER NUMBER : 05360000

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
JAKE	14			MEDICINE LODGE	3350
JOB LOCATION/FIELD	MTA DISTRICT		DATE OF JOB	TYPE OF SERVICE	
SPIVEY-GRABS			12/19/90	LAND-LONG STRING/PRODUCE	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10100325	1.00	CEMENT CASING 4,501 TO 5,000 FEET	1,260.00		1,260.00
10109005	24.00	MILEAGE CHRG, FROM NEAREST BASE OF	2.35		56.40
10410504	140.00	CLASS "A" CEMENT	5.50	CF	770.00
10415018	10.00	FLY ASH	2.91	CF	29.10
10428020	705.00	A-10 GYPSEAL	0.22	LB	155.10
10415049	117.00	A-7-P CALCIUM CHLORIDE PELLETS	0.46	LB	53.82
10420145	203.00	BJ-TITAN GEL, BENTONITE, BULK SALES	0.13	LB	25.39
10425010	300.00	MUD-SWEEP, WITH BJ-TITAN PUMPING EQ	1.45	GL	435.00
10880001	165.00	MIXING SERVICE CHRG DRY MATERIALS, F	1.10		181.50
10240101	180.00	DRAYAGE, PER TON MILE	0.75		135.00
10430620	1.00	5 1/2" TOP PLUG RESIN/PLASTIC CORE	55.00	EA	55.00
10409600	1.00	5 1/2" GUIDE SHOE	124.00	GL	124.00
10409600	1.00	5 1/2" AFU INSERT	188.00	GL	188.00
10409600	4.00	5 1/2" CENTRALIZERS	46.75	GL	187.00
10107891	1.00	FUEL SURCHARGE	74.95		74.95
SUBTOTAL					3,731.26
DISCOUNT					658.14

ACCOUNT	4.25000% STATE TAX	1659.19	70.52
	1.00000% COUNTY TAX	1659.19	16.59
<p>RECEIVED</p> <p>JAN 4 1991</p> <p>STATE CORPORATION COMMISSION</p> <p>FEB 4 1991</p> <p>2-4-91</p> <p>CONSERVATION DIVISION</p> <p>Wichita, Kansas</p>			

TAX EXEMPTION STATUS:	PAY THIS AMOUNT	3,160.23
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