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SIDE ONE

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

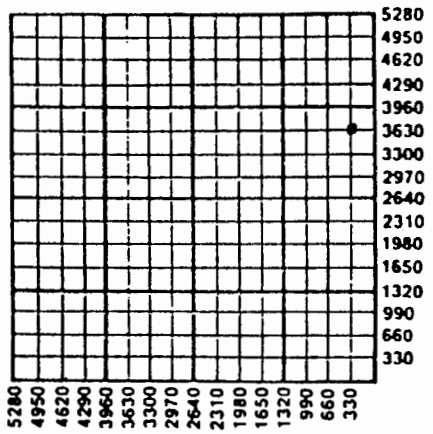
Operator: License # 5428
Name: Graves Drilling Co., Inc.
Address P.O. Box 8250
Wichita, KS 67208
Purchaser: Texaco Trading & Transportation
Operator Contact Person: Fredrick W. Stump
Phone (316) 687-2777
Contractor: Name: Lobo Drilling Company
License: 5864
Wellsite Geologist: Fredrick W. Stump

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

If OAWO: 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
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 _____

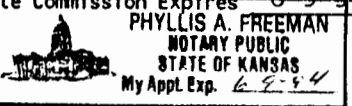


Amount of Surface Pipe Set and Cemented at 253' Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from _____
feet depth to _____ w/ _____ sx cmt

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 STATE CORPORATION COMMISSION
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



RECEIVED
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
G 4-1991 Wireline Log Received
Drillers Timelog Received
Distribution
 SWD/Rep NGPA
 KGS Plug Other (Specify)

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		
	<input checked="" type="checkbox"/> Log	<input type="checkbox"/> Sample
Name	Top	Bottom
Lansing	3661	(-1987)
Mississippian	4444	(-2770)
TD	4502	

CASING RECORD <input checked="" 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	12-3/4"	8-5/8"	23#	253'	60/40poz	200	2% gel 3% cc
Production	7-7/8"	5 1/2"	14#	4499'	Surfil	125	
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	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				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size		Set At	Packer At				
2 3/8		4472	none				
Date of First Production		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)					
1-11-91							
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 Inter: _____