

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

5

API NO. 15-151-21,854-00-00  
County Pratt  
NE NE NE Sec. 2 Twp 27S Rge 12 East  
X West

Operator: License # 5428  
Name Graves Drilling Co., Inc.  
Address 151 N. Main, Suite 850  
City/State/Zip Wichita, KS 67202

4950 Ft North from Southeast Corner of Section  
330 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser

Lease Name Harrison Well # 1

Operator Contact Person Karen L. Seiler  
Phone 316-265-7233

Field Name

Producing Formation

Elevation: Ground 1867 KB 1872

Contractor: License # 5929  
Name Duke Drilling Co., Inc.

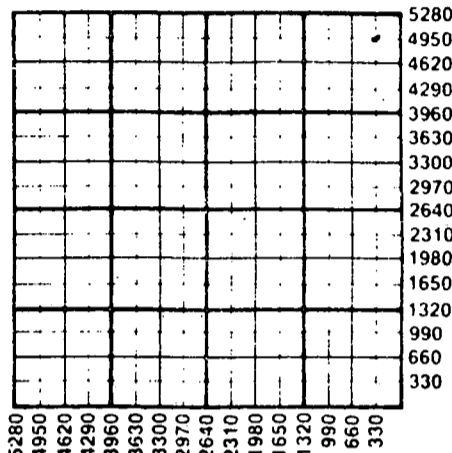
Wellsite Geologist Arden Ratzlaff  
Phone 316-

Designate Type of Completion  
X New Well Re-Entry Workover

Oil SWD Temp Abd  
Gas Inj Delayed Comp.  
X Dry Other (Core, Water Supply etc.)

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

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit # J-87-399

X Groundwater 4950 Ft North from Southeast Corner  
(Well) 330 Ft West from Southeast Corner of  
Sec 2 Twp 27 Rge 12 East X West

Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West

Other (explain)  
(purchased from city, R.W.D. #)

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable

9-25-87 10-1-87 10-2-87  
Spud Date Date Reached TD Completion Date

4200  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 257 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated  
from feet depth to w/ SX cmt  
Cement Company Name BJ-Titan Services  
Invoice # XE031

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. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

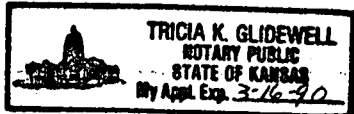
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature Arden Ratzlaff  
Title Land Secretary Date 10-15-87

Subscribed and sworn to before me this 15th day of October 1987  
Notary Public Tricia K. Glidewell

Date Commission Expires March 16, 1990

K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Time Log Received  
Distribution RECEIVED  
KCC STATE CORPORATION COMMISSION  
OCT 16 1987  
CONSERVATION DIVISION  
WICHITA, KANSAS (5-86)



Sec. 2 Twp 27 Rge 12E

SIDE TWO

Operator Name Graves Drilling Co., Inc. Lease Name Harrison Well # 1

Sec. 2 Twp. 27S Rge. 12  East  West County Pratt

WELL LOG

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  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	Bottom
Heebner	3490 (-1618)	
Brown Lime	3673 (-1801)	
Lansing	3685 (-1813)	
B/Kansas City	4045 (-2173)	
Mississippian	4133 (-2261)	
LTD	4202 (-2330)	

DST #1 - 3943-4000'. Op30, Si30, OP30, SI30, weak blow. Rec 55' mud. IFP 71-71, FFP 91-91, IBHP 710#, FBHP 264#, BHT 116°.  
 DST #2 - 4128-4176', OP45, SI60, OP45, SI60, weak blow. Rec 90' mud. IFP 111-223, FFP 152-182, IBHP 416, FBHP 233, BHT 122°.

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 Casing	12 1/4	8 5/8	20#	25'	60/40 poz	200	2% gel, 3% G.C.

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

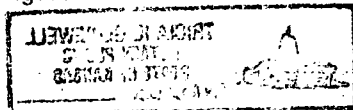
TUBING RECORD Size Set At Packer at Liner Run  Yes  No

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

METHOD OF COMPLETION

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed .....  
 Commingled



DRILLERS' WELL LOG

DATE COMMENCED: September 25, 1987  
DATE COMPLETED: October 2, 1987

Graves Drilling Co., Inc.  
HARRISON #1  
NE NE NE  
Sec. 2, Twp 27S, R12W  
Pratt Co., Ks.

ELEVATION: 1872 K.B.

FORMATION DATA

0 - 648 Surface Soil, Sand, Shale  
648 - 664 Anhydrite  
664 - 3046 Shale  
3046 - 3113 Shale, Sand  
3113 - 3490 Shale, Lime  
3490 - 3495 Shale  
3495 - 3685 Lime, Shale  
3685 - 4045 Lime  
4045 - 4200' Shale, Chert  
4200' RTD

Anhydrite 648 - 664  
Howard 3046  
Severy 3113  
Topeka 3152  
Heebner 3490  
Douglas 3530  
Br. Lime 3673  
Kansas City 3685  
Base K.C. 4045  
Mississippi 4133

Surface Pipe Set 8-5/8", 20#  
@ 257' with 200 Sacks 60/40 pozmix  
2 & 3

A F F I D A V I T

Leonard Williamson, of lawful age, does swear and state that the facts and statements herein contained are true and correct to the best of his knowledge.

*Leonard Williamson*

Subscribed and sworn to before me this 6th day of October, 1987

*Shirley M. Haque*  
Notary Public

RECEIVED  
STATE CORPORATION COMMISSION

OCT 16 1987

CONSERVATION DIVISION  
Wichita, Kansas