

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

S

API NO. 15-007-22,169-00-00
County Barber
NE NE SE 15 31S 13 XXXXXX
Sec Twp Rge X West

Operator: License # 5428 & 5152
Name Graves Drilling Co., Inc. & Lee Banks
Address 151 N. Main, Suite 850
City/State/Zip Wichita, KS 67202

2310 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 PACKARD Well # 2

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

Field Name

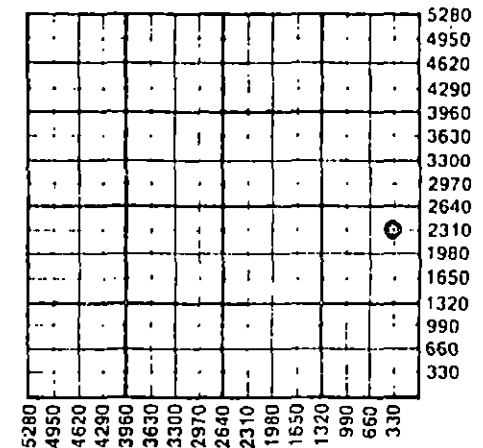
Producing Formation

Elevation: Ground 1600 KB 1608

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

Wellsite Geologist Scott Banks
Phone 722-3975

Section Plat



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.)

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

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

WELL HISTORY

Drilling Method:
X Mud Rotary Air Rotary Cable

11-7-87 11-14-87 11-14-87
Spud Date Date Reached TD Completion Date

4550'
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 305 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name
Invoice #

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner
Sec Twp Rge East West

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

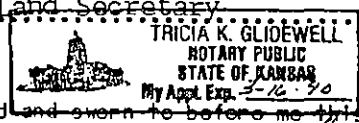
Other (explain)
(purchased from city)

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 Karen L. Seiler

Title Land Secretary Date 12-7-87



Subscribed and sworn to before me this 7th day of December 1987

Notary Public Tricia K. Glidewell

Date Commission Expires March 16, 1990

K.C.C. OFFICE USE ONLY
Letter of Confidentiality Attached
Wireline Log Received
Drillers Time-log Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other
(Specify)

Sec 15 Twp 31 Rge 13W

RECEIVED
STATE CORPORATION COMMISSION
NOV 11 1988

Operator Name Graves Drilling Co., Inc. Lease Name Packard Well # 2

Sec 15 Twp 31 Rge 13 ~~XX East~~ West County Barber

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

DST #1 - 4203-4243'. op30, si45, op90, si60, Rec 240' muddy water. 1180' of salt water. IHP 2243#, IFP 971-1477#, FFP 1679-1679#. IBHP 1679, FSIP 1679, BHT 126°.

Name	Top	Bottom
Indian Cave	2624	(-1016)
Topeka	3378	(-1770)
Heebner	3550	(-1942)
L/Douglas Sd	3722	(-2114)
Lansing I Zone	3951	(-2343)
Mississippian	4212	(-2604)
Kinderhook Shale	4422	(-2814)
Viola	4504	(-2896)
RTD	4550	(-2942)
LTD	4550	(-2942)

RELEASED
 APR 17 1969
 FROM CONFIDENTIAL

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 1/2	8-5/8	23#	305'	60/40	190	2% Gel 3% CC

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

TUBING RECORD			
Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method			
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....			
	Oil	Gas	Water	Gas-Oil Ratio
	Bbls	MCF	Bbls	CFPB

METHOD OF COMPLETION Production Interval

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

DRILLERS WELL LOG

Date Commenced: November 7, 1987

Date Completed: November 15, 1987

- 0 - 3551 Surface, Soil, Sand, Red Bed
- 3551 - 3556 Shale
- 3556 - 3678 Lime, Shale
- 3678 - 3703 Sand, Shale
- 3703 - 3720 Lime, Shale
- 3720 - 4130 Lime
- 4130 - 4176 Shale, Lime
- 4176 - 4213 Chert, Lime, Shale
- 4213 - 4431 Lime, Chert
- 4431 - 4510 Shale, Lime
- 4510 - 4550 Chert
- 4550 RTD

Graves Drilling Co., Inc. &
 Lee Banks
 PACKARD #2
 NE NE SE
 Sec. 15-31S-R13W
 Barber Co., KS

Elevation:

Formation Data:

- Heebner 3551
- Douglas Sd 3678
- Brown Lime 3703
- Kansas City 3720
- Base K.C. 4130
- Marmaton 4176
- Mississippi 4213
- Kinderhook 4431
- Viola 4510
- RTD 4550

Surface Pipe:

Set new 8.5/8" surface casing,
 23# at 306' w/190 sacks 60/40
 Pozmix, 2% gel, 3% C.C.

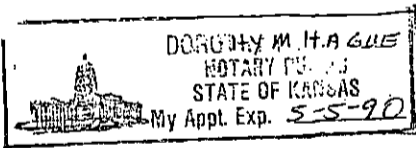
A F F I D A V I T

STATE OF KANSAS
 COUNTY OF BARTON) ss

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

John Armbruster
 John Armbruster

SUBSCRIBED AND SWORN to before me this 18 day of Nov, 1987.



Dorothy M. H. Gue
 Notary Public

RELEASED

APR 17 1989

FROM CONFIDENTIAL

KANSAS GEOLOGICAL SURVEY
 WHEAT STATION

MAR 21 1989