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p1

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # ..... 5483 .....  
Name ..... Brown Operating Company .....  
Address ..... P.O. Box 2164 .....  
City/State/Zip ..... Hutchinson, KS 67504-2164

Purchaser ..... *NA - Lease Sold* .....  
..... *KC-KC* .....

Operator Contact Person ..... Dale S. Brown .....  
Phone ..... (316) 665-5521 .....

Contractor: License # .....  
Name ..... H-30 Drilling, Inc. ....

Wellsite Geologist ..... Roger L. Fisher .....  
Phone ..... (316) 721-3078 .....

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

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

WELL HISTORY

Drilling Method:  
 Mud Rotary     Air Rotary     Cable  
..... 3/5/82 ..... 3/13/82 ..... 3/13/82 .....  
Spud Date            Date Reached TD    Completion Date  
..... 4220' .....  
Total Depth            PBD

Amount of Surface Pipe Set and Cemented at <sup>461</sup> 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

API NO. 15-185-21-527  
County..... Stafford  
SW SE SW Sec. 21 Twp. 24S Rge. 13  East  West

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

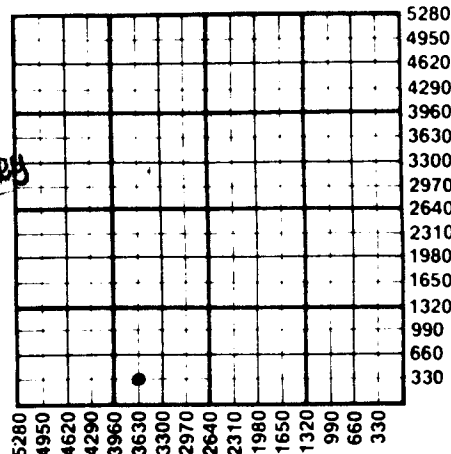
Lease Name..... Kachelman Well #..... A-1 ✓

Field Name..... Van Lieu

Producing Formation..... *NA* <sub>KC-KC</sub>

Elevation: Ground..... 1926' ..... KB..... 1931'

Section Plat



*OCT 14 1985*  
*State Geological Survey*  
*WICHITA BRANCH*

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 #.....

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

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 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.

SIDE TWO

Operator Name Brown Operating Company Lease Name Kachelman Well # A-1

Sec. 21 Twp. 24S Rge. 13  East  West County Stafford

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
Sand	0	140
Sandstone and shale	140	464
Lime and shale	464	500
Shale	500	1503
Shale and lime	1503	1745
Lime and shale	1745	2244
Shale and lime	2244	2465
Lime and shale	2465	3300
Shale and lime	3300	3435
Lime and shale	3435	3877
Shale and lime	3877	3972
Lime and shale	3972	4102
Lime	4102	4220

NOV 14 1985

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify)

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"	24#	461	Class H.	300	2% gel, 3% CaCl
Production	7.7/8"	5 1/2"	15.5#	4219	50/50 Pozmix	175	10% salt, 2% gel, 12.5#/sx Gilsonite, 75% D-65

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
1	3816-3820		
2	3746-3750	See Attached Sheet	
1	3848-3860		
2	3944-3950		

TUBING RECORD Size Set At Packer at Liner Run  Yes  No

Date of First Production Producing Method N/A  
 Flowing  Pumping  Gas Lift  Other (explain)

Open: Brown Operating Co.

21-24-13W

KACHELMAN A-1  
SEC. 21, TWP. 24S, RNG. 13W  
STAFFORD COUNTY, KANSAS

990 WEL & 330 NSL

ATTACHMENT TO ACO-1 WELL HISTORY

5W'4

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

<u>(Amount and Kind of Material Used)</u>	<u>Depth</u>
250 gal. MSR	3816 - 3820
1,000 gal. 15% acid	3826 - 3820
4,000 gal. MSR 100 15%	3826 - 3820
250 gal. 15% MSR	3746 - 3750
4,000 gal. 15% acid	3746 - 3750
150 gal. MSR 15% acid	3848 - 3860
2,000 gal. 15% acid	3848 - 3860
2,000 gal. 15% JCL with W-35	3848 - 3860
500 gal. MSR with W-35	3944 - 3950
Frac with 72 bbls. pad, 168 bbls. water frac with 1#/gal. 20/40 sand	3944 - 3950

OCT 14 1985

State Geological Survey  
WICHITA BRANCH

RECEIVED  
STATE CORPORATION COMMISSION

OCT 10 1985

CONSERVATION DIVISION  
Wichita, Kansas

