

WELL LOG

22-32-18W
 State Geological Survey
 WICHITA BRANCH

Corrected copy -

Well; Keller # 1
 Operator: J. M. Huber Corporation
 P O Box 978, Liberal, Kansas
 Location: NW - SE, Section 22, Twp. 32 S, Rge. 18 W
 Commanche County, Kansas
 Elevation: GL - 2,057'
 Rig Commenced: 3 - 7- 60
 Rig Completed: 4 - 16 - 60
 T.D. 5,960'
 Casing Record: 13-3/8 " set @ 520' with 510 sacks Pozmix
 plus H A - 5
 5-1/2" set @ 5,800' with 300 sacks regular
 cement.

Perforations:

Mississippi 5,116'-27'
 Mississippi 5,132'-38'
 Mississippi 5,146'-55'
 Mississippi 5,162'-72'
 Viola 5,652'-69'
 Viola 5,674'-88'
 Viola 5,688'-90') Squeezed off

RECEIVED
 STATE CORPORATION COMMISSION
 AUG 12 1960
 CONSERVATION DIVISION
 Wichita, Kansas

Formation:

Surface Clay	0'- 7'	Shale	4,044'-4,100'
Sand	7'- 32'	Sandy shale	4,100'-4,269'
Sand-Clay-Shells	32'- 50'	Sandy shale-Lime	4,269'-4,458'
Sand-Clay	50'- 110'	Lime	4,458'-4,803'
Clay-Shells	110'- 205'	Sand-shale	4,803'-4,836'
Red bed-Shells	205'- 300'	Lime w/shale strks	4,836'-4,881'
Red bed	300'-1,000'	Lime	4,881'-5,010'
Red bed-shale	1,000'-1,430'	Cherty lime	5,010'-5,075'
Red sand-shale-salt	1,430'-1,750'	Lime-shale	5,075'-5,181'
Lime-shale	1,750'-1,837'	Lime	5,181'-5,297'
Shale-shells	1,837'-2,140'	Lime-shale	5,297'-5,330'
Anhydrite-shale	2,140'-2,292'	Cherty lime	5,330'-5,345'
Lime-shale	2,292'-2,640'	Lime	5,345'-5,624'
Lime-shale-sd. strks	2,640'-2,727'	Cherty-lime	5,624'-5,819'
Lime	2,727'-2,783'	Sdy. shale-shale	5,819'-5,908'
Lime-shale	2,783'-3,576'	Cherty lime	5,908'-5,937'
Lime	3,576'-3,725'	Lime	5,937'-5,960'
Lime-Sdy. shale	3,725'-4,044'	T.D.	5,960'

I the undersigned, being first duly sworn upon oath, state that this well log is true, and correct according to the records of this office and to the best of my knowledge and belief.

Floyd L. Meade
 Floyd L. Meade, Petroleum Engr.

COPY
22-32-18w

Hub

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 # 5703
Name: J.M. Huber Corporation
Address 7120 I-40 West, Suite 100
Suite 100
City/State/Zip Amarillo, Texas 79106

Purchaser: Kansas Gas Supply
Operator Contact Person: Kaye Oakes

Phone (806) 353-9837

Contractor: Name: Patton Drilling Co.

License: N/A

Well Geologist: None

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW

Dry Other (Core, WSW, Expl., Cathodic, etc.)

If Workover/Re-Entry: old well info as follows:
Operator: J. M. Huber Corporation

Well Name: Keller 1

Comp. Date 6-1-60 Old Total Depth 5960'

Deepening Re-perf. Conv. to Inj/SWD

Plug Back PBDT Pmp change

Commingled Docket No. _____

Dual Completion Docket No. _____

Other (SWD or Inj?) Docket No. _____

3-7-60 4-12-60 6-1-60
Spud Date Date Reached TD Completion Date

API NO. 15- ~~033-00035~~
County Comanche

C, NW, SE Sec. 22 Twp. 32S Rge. 18 X E W

1980 Feet from S/N (circle one) Line of Section

1980 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE/NW or SW (circle one)

Lease Name Keller Well # 1
Nescatunga

Producing Formation Mississippi

Elevation: Ground 2054' KB 2067'

Total Depth 5960' PBDT 5425'

Amount of Surface Pipe Set and Cemented at 520' 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.

Drilling Fluid Management Plan REWORK JH 6-15-95
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

_____ Quarter Sec. _____ Twp. _____ S Rge. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An Original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit C 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.

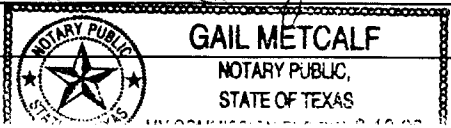
Signature Kaye Oakes

Title Engineering Technician Date 3-9-95

Subscribed and sworn to before me this 9th day of March

19 95
Not Public Gail Metcalf

Date Commission Expires _____



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) _____
RECEIVED
MAR 13 1995
KANSAS CORPORATION COMMISSION
DIVISION OF OIL & GAS
KANSAS
FS

Operator Name J.M. Huber Corporation Lease Name Keller Well # 1
 Sec. 22 Twp. 32S Rge. 18 East County Comanche West

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 (Attach Additional Sheets.) Yes No Log Formation (Top), Depth and Datums Sample

Samples Sent to Geological Survey Yes No

Cores Taken Yes No Name Top Datum

Electric Log Run (Submit Copy.) Yes No

List All E.Logs Run: **Information on original completion paperwork.**

Logs and DST information on original paperwork.

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	17-1/4"	13-3/8"	36.65	520'	N/A	500	N/A
Production	7-7/8"	5-1/2"	15.5	5800'	N/A	300	N/A

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back TD				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
4	5688-90'		Sq. w/150 sxs Pozmix	
4	5674-88'	Viola		
4	5652-69'		Treated w/1500 gals mud acid.	
2	5603-14'	Viola	CIBP set @ 5425' 8-17-78	
4	5162-72'		Treated w/1000 gals mud acid	
4	5146-55'	Mississippi		
4	5132-38'			
4	5116-27'	Mississippi		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-3/8"	5189'	-	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First Resumed Production, SWD or Inj. Production	Producing Method
	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
			124		17			

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: 5116-5172' OA