

KANSAS DRILLERS LOG

API No. 15 — 093 — 20,283
County Number

Operator
Helmerich & Payne, Inc.

Address Box 558 Garden City, Kansas 67846

Well No. #A-1 Lease Name Citizens Building & Loan

Footage Location
610 feet from (N) (S) line 710 feet from (E) (W) line

Principal Contractor Gabbert-Jones, Inc. Geologist David A. Brierly

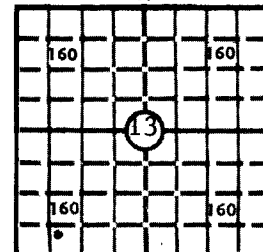
Spud Date 4/25/76 Total Depth 5158 P.B.T.D.

Date Completed 6/16/76 Oil Purchaser Hurricane Purchasing Co.

S. 13 T. 26 R. 35 E. W.
Loc. 50' S & 50' E/C SW SW

County Kearny

640 Acres
N



Locate well correctly
2985'

Elev.: Gr.

DF KB 2990'

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12½"	8-5/8"	23#	827'	Liteweight Class "H"	300 500	¼#/sx Flocele, 2% 3% CaCl CaCl
Production	7-7/8"	5½"	14# & 15.5#	5158'	Pozmix Howco Lite	250 500	18% NaCl, 12½#/sx Gilsonite, 3/4% CFR ₂ . No additives to Howco Lite.

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	½" Omega Jet	5048'-5056'
TUBING RECORD					
Size	Setting depth	Packer set at			
2-3/8"	5097'				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Treated down tubing w/1000 gal Dowell Break Down Acid (15%).	5048-5056'

INITIAL PRODUCTION

Date of first production 6-16-76		Producing method (flowing, pumping, gas lift, etc.) Pumping			
RATE OF PRODUCTION PER 24 HOURS	Oil 111 bbls.	Gas 0 MCF	Water 1 bbls.	Gas-oil ratio TSTM CFPB	
Disposition of gas (vented, used on lease or sold) None			Producing interval (s) 5048' to 5056'		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator

DESIGNATE TYPE OF COMP.: OIL, GAS,
DRY HOLE, SWDW, ETC.:

Helmerich & Payne, Inc.

Oil

Well No.

Lease Name

A-1

Citizens Building & Loan

S 13 T 26S R 35 K
W

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN,
OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Lansing- Ls, wt to Lt gry, fn xln, fossiliferous, porous, chalky, w/v. sli tr. stain in soft chalky Ls.	3916	3926	Stone Corral	1779
			B/Stone Corral	1866
			Upper Krider	2500
			Krider	2516
Lansing-Ls, wt to Lt gry fn xln, very chalky, NSO	3962	3970	Winfield	2550
			Ft. Riley	2608
Lansing-(Circ.) Chalk NSO	4008	4020	Florence	2714
			Wreford	2748
Lansing-Ls, wt to Lt gry fn xln, very chalky & chalk NSO	4040	4048	Council Grove	2770
			" " A	2790
Lansing-(Circ) Ls, Lt gry/Buf, soft, oolitic, NSO	4072	4094	" " B	2818
			" " C	2852
			" " D	2874
Lansing-Ls, Lt gry, fn xln, firm, tight w/v sli trace oil stain in isolated vugs.	4110	4120	" " E	2895
			" " F	2900
Lansing "Pay"-Ls, soft, Lt Buff, oolitic & oolitic, NSO	4142	4150	Topeka	3406
			Heebner	3830
			Toronto	3848
Lansing-Ls, Lt gry/Buf, fn xln, sli cherty & chalk, scattered bright fluorescence in chalk, no cut, questionable faint odor.	4210	4218	Lansing	3878
			Lansing "Pay"	4142
			K. C. "A"	4341
			K.C. "B"	4390
Lansing-Ls, wt, soft, chalky & chalk, scattered bright fluorescence, No cut, no odor.	4224	4240	Marmaton	4432
			Atoka	4801
			Morrow	4868
			Morrow Sand	4930
Lansing-Ls, Lt Buff, soft, oolitic & oolitic & chalky. NSO	4244	4260	Miss., St. Gen.	4985
			St. Louis "B"	5046
Lansing-Ls, Lt gry, soft, chalky & chalk, scattered fluorescence in chalk, no stain.	4287	4298	St. Louis "C"	5120
			St. Louis "D"	5150
Marmaton-Ls, Lt gry xln, chalky & chalk, NSO	4534	4540	Total Depth	5165 E. Log
			Logs	
Morrow Sd-Sand, gry/Dk Brn, fn, shly, glauconitic, tight w/Dark oil stain, Dull flour, No odor, good cut & cong. Sh.Sd. Ls.	4930	4949	Dual Induction	827' to 5156'
			Laterolog	
			Compensated	2600' to 5164'
Morrow Sd-Sand, Lt Brn, fn, friable, porous, glauconitic, fairly tight & Lmy	4949	4954	Nuetron Formation	
			Density	

(Cont.)

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Signature

District Production Superintendent

Title

Date

Oil

Helmerich & Payne, Inc.

Well No.

Lease Name

A-1

Citizens Building & Loan

S13 T.26S R35 W

WELL LOG

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SHOW GEOLOGICAL MARKERS, LOGS RUN,
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FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Morrow Sd-(Cont.) w/good brown oil stain, Dull flour, odor, Bleeding oil & gas in tight sand; Sand, wt., fine, very glauconitic, tight NSO.	4949	4954	Logs Bond Cement Gamma Ray Log	1240' to 5109'
Morrow Sd-Sand as above & Ls, white, xln, sandy & glauconitic, sli foss. & oolitic, some oil staining in Ls.	4954	4970		
Miss., St. Gen-Ls, wt xln w/scattered sand grains & sand, wt to Lt Brown, very calcerous w/v sli trace oil stain w/cut, no fluorescence until cut.	4985	4990		
Miss, St Gen-Ls, wt, fn xln, sli foss & Ls, white calcite Sand Texture, much chalk, vry sli trace sand textured Ls w/stain & cut, no fluor until cut.	4990	5000		
St. Louis "B"-Ls, wt to cream, xln, oolitic, sli porous very chalky, w/good oil stain & cut. Dull fluor before cut, bright fluor after cut.	5048	5056		
St Louis "C"-Ls, Lt Buff xln, firm sli oolitic, cherty & chalky w/milky chert & chalk. NSO	5120	5130		
St. Louis "D"-LS, wt to Lt gry xln, sli oolitic w/chalk & chert. NSO	5150	5154		
<u>Drill Stem Tests</u>				
DST No. 1 Miss., St. Genevieve No cushion used. 60" tool open. IFP 109#, FFP 147#, SIP 1177#. Recovered 230' drilling mud and 60' oil speck mud.	4909	4970		
DST No. 2 Mississippi, no cushion used. Tool open 90". IFP 196#, FFP 324#, SIP 711#. Recovered 810' heavily gas cut oil.	5030	5110		
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				

Date Received

Signature

District Production Superintendent

Title

Date

Delmerich & Payne, Inc.

DRY HOLE, SWDW, ETC.:
Oil

Well No. A-1	Lease Name Citizen's Building & Loan
S 13 T 26S R 35 K W	

WELL LOG

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FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST No. 3, Lansing "Pay", No cushion used. Tool open 90". IFP 58#, FFP 99#, SIP 915#. Recovered 180' water cut mud.	4136	4153		
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				

Date Received

Signature

District Production Superintendent

Title

Date