

IMPORTANT
Kans. Geo. Survey request
samples on this well.

15-081-20106

KANSAS DRILLERS LOG

S. 28 T. 29 R. 33 ^E/_W
Loc. 660' FSL & 1990' FWL
County Haskell

API No. 15 — 081 — 20,106
County Number

Operator
Helmerich & Payne, Inc.

Address P. O. Box 558 Garden City, Kansas 67846

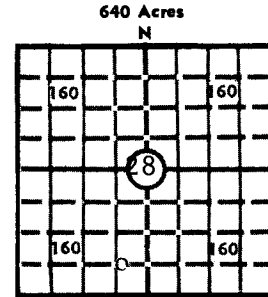
Well No. #1-A Lease Name Elliott "I"

Footage Location
660 feet from ~~(N)~~ (S) line 1990 feet from ~~(E)~~ (W) line

Principal Contractor Gabbert-Jones, Inc. Geologist Joseph G. Blair

Spud Date 10-17-77 Total Depth 5650 P.B.T.D.

Date Completed 12-2-77 Oil Purchaser Ashland Oil Co.



Locate well correctly
Elev.: Gr. 2950

DF 2953 KB 2955

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 Casing	12 1/4"	8-5/8"	28#	830	Haliburton Lite Weight	350	2% CaCl, 1/4# Flocele/sk
					50-50 Pozmix	150	3% CaCl & 1/4# Flocele/sk
Production Casing	7-7/8"	5 1/2"	15.5# & 14#	5429	50-50 Pozmix	300	12 1/2# Gilsonite/sk, 18% Salt, 3/4 of 1%-
					Howco Lite Wt	475*	CFR-2, 2% Gel
					50-50 Poz	200	2% Gel

* No additives

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
None			2	1/2" Omega Jet	4788-92
TUBING RECORD			2	1/2" Omega Jet	5257-66
Size	Setting depth	Packer set at			
2-3/8"	5186	5193			

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Squeezed Marmaton perms w/100 sx 50-50 Pozmix, 2% gel	4788-92
Acidized Morrow perms w/1000 gal 7 1/2% MCA	5257-66

INITIAL PRODUCTION

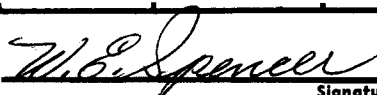
Date of first production <u>11-29-77</u>		Producing method (flowing, pumping, gas lift, etc.) <u>Flowing</u>			
RATE OF PRODUCTION PER 24 HOURS	Oil <u>241.63</u> bbls.	Gas <u>78.1</u> MCF	Water <u>0</u> bbls.	Gas-oil ratio <u>323.22</u> CFPB	
Disposition of gas (vented, used on lease or sold) <u>Vented</u>			Producing interval (s) <u>Morrow 5257-66'</u>		

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.:
Oil Well

Helmerich & Payne, Inc.

Well No.	Lease Name			
1-A	Elliott "I"			
S 28 T 29SR 33 ^{Ex} W		Haskell County, Kansas		
WELL LOG		SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.		
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.				
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1, Lansing "B", No Cushion, IFP 349-441psi/30 min, ISIP 1003psi/60 min, FFP 457-552psi/59 min, FSIP 993psi/120 min. Rec'd 995' gassy oil & 280' oil cut SW	4190	4224	Winfield	2710
			Ft. Riley	2765
			Council Grove	2930
DST #2, Lansing "F", No Cushion, IFP 91-156psi/30 min, ISIP 781psi/60 min, FFP 183-202psi/29 min, FSIP 781psi/60 min. Rec'd 410' muddy SW w/slight show of oil	4408	4430	Heebner	4069
			Toronto	4088
			Lansing "A"	4157
DST #3, Kansas City "B", No Cushion, IFP 88-111 psi/31 min, ISIP 1321psi/59 min, FFP 124-179psi/60 min, FSIP 1321psi/122 min. Rec'd 50' slightly oil cut mud, 300' of very slightly oil cut SW	4657	4685	Lansing "F"	4418
			Kansas City "A"	4608
			Kansas City "B"	4658
			Marmaton	4698
DST #4, Marmaton, No Cushion, IFP 114psi/30 min, ISIP 1133psi/62 min, FFP 352-385 psi/56 min, FSIP 1159psi/120 min. Rec'd 175' heavy oil & gas cut mud w/40% water, 250' muddy, gassy oil w/50% water & 50' slightly oil cut SW	4772	4839	Marmaton "C"	4789
			Cherokee	4934
			Morrow	5214
			Chester	5362
DST #5, Morrow, No Cushion, IFP 316-313psi/30 min, ISIP 1681psi/60 min, FFP 310-395 psi/60 min, FSIP 1659psi/120 min. Rec'd 1300' gassy oil, 34 ^o @ 60 ^o F, 375' heavy oil & gas cut mud. No water.	5239	5270	St. Genevieve	5454
			St. Louis	5557
			T.D.	5650
Herrington, Dolomite, tn-gy, fn xln, pp \emptyset	2629	2655		
Krider, Dolomite, bf-tn, fn xln, sli foss, pp-vggy \emptyset	2665	2700		
Winfield, Dolomite, bf-wh, fn-md xln, vggy \emptyset	2710	2758		
Ft. Riley, Wh-gy foss limestone, vggy-pp \emptyset	2765	2897		
Wreford, limestone, lt gy, fn xln, gy md xln, foss w/shale inclusions	2902	2930		
Council Grove "A", limestone, wh, xln dn, foss				
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.				
Date Received	 Signature			
	District Production Superintendent			
	Title			
	December 6, 1977			
	Date			

Elmerich & Payne, Inc.

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

Well No. 1-A	Lease Name Elliott "I"	Page 2
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S 28 T 29S R 33 W Haskell County, Kansas

WELL LOG

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Council Grove "B", limestone, wh, fn xln, foss, lxn ∅	2990	3002		
Council Grove "C", limestone, bf-tn, xln, foss, lxn ∅	3015	3027		
Council Grove "D", limestone, wh, xln, foss, sli ool, lxn ∅	3031	3062		
Council Grove "F", limestone, wh, foss, ool, vgy-ool ∅	3062	3096		
Lansing "A", limestone, brn, dn, litho, brn foss ▲	4157	4198		
Lansing "B", limestone, brn xln, foss, tn fn xln, gd fluor & cut limestone, brn, crs ool, ooc ∅, dn matrix, gd stn, fluor & cut	4207	4324		
Lansing "F", limestone, tn, fn xln, foss, lxn ∅, stn, fr fluor & cut limestone, brn, crs ool, ooc ∅, spt'd stn, fluor & cut	4418	4506		
KC "A", Limestone, wh, md-md crs, ool, ooc ∅, N.S.	4608	4649		
KC "B", Limestone, tn, crs ool, ooc ∅, succ matrix, gd lt stn, fluor & cut	4665	4678		
Marmaton, limestone, bf, fn xln, quite foss, gd xln matrix, lt stn, gd fluor & cut	4698	4789		
Marmaton "C", Limestone, bf, md ool, ooc ∅, fn xln matrix, lt stn, gd fluor & cut limestone, tn, xln, foss, sli ool, sli ooc, gd stn, fluor & cut	4789	4810		
Marmaton "E", limestone, bf, xln, foss, lxn ∅, gd stn, fluor & cut	4820	4834		

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

Date Received	<i>W.E. Spencer</i>
	Signature
	District Production Superintendent
	Title
	December 6, 1977
	Date

Operator

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Elmerich & Payne, Inc.

Oil Well

Well No.

Lease Name

1-A

Elliott "I"

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Haskell County, Kansas

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FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Morrow, limestone, bf-tn, fn-md xln, foss, lxn-vggy \emptyset , gd stn, fluor & cut T.D.	5214	5268		
	5650			

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Date Received

W.E. Spencer
Signature

District Production Superintendent

Title

December 6, 1977

Date