

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

API NO. 15- 065. - 22,583 ⁰⁰⁻⁰⁰ ORIGINAL
County Graham

NW - SW - SE - Sec. 31 Twp. 9 Rge. 21 X ^E _W

Operator: License # 30259

990 Feet from SN (circle one) Line of Section

Name: Werth Exploration Trust

2310 Feet from EW (circle one) Line of Section

Address 1308 Schwaller

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

City/State/Zip Hays, Kansas 67601

Lease Name Leikam Well # 7

Purchaser: N/A

Field Name Smith - Denning

Operator Contact Person: Andy Werth

Producing Formation Lansing - Arbuckle

Phone (913) 625-4968

Elevation: Ground 2320 KB

Contractor: Name: Lloyd Drilling

Total Depth 3925 PBDT

License: 3300

Amount of Surface Pipe Set and Cemented at 229 Feet

Wellsite Geologist: Cliff Ottaway

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion
X New Well Re-Entry Workover

If yes, show depth set N/A Feet

X Oil SWD S10W Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from
feet depth to N/A w/ sx cnt.

If Workover/Re-Entry: old well info as follows

Drilling Fluid Management Plan 4-29-93
(Data must be collected from the Reserve Pit)

Operator: N/A

Well Name:

Comp. Date Old Total Depth

 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No.
 Dual Completion Docket No.
 Other (SWD or Inj?) Docket No.

7/18/91 7/25/91 7/25/91
Spud Date Date Reached TD Completion Date

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 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 Cassidy Werth

Title Trustee & Owner Date 1-27-92

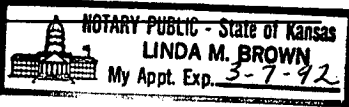
Subscribed and sworn to before me this 27th day of January, 19 92.

Notary Public Linda M. Brown

Date Commission Expires 3-7-92

K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received

Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)



JAMNORO

Operator Name Werth Exploration Trust

Lease Name Leikam

Well # 7

East

County Graham

Sec. 31 Twp. 9 Rge. 21

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 Yes No
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

Log Formation (Top), Depth and Datum Sample

Name	Top	Datum
Lansing	3544	-1214

List All E.Logs Run:

CASING RECORD

New 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 Pipe	12 1/4	8 5/8	80	229	Standard	225	60/40 Poz
							6% Gel
							1 sack flo-Gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<input type="checkbox"/> Perforate					
<input type="checkbox"/> Protect Casing					
<input type="checkbox"/> Plug Back TD					
<input type="checkbox"/> 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

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

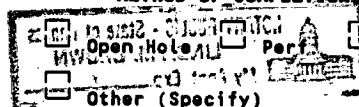
Date of First, Resumed Production, SWD or Inj.	Producing Method
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)

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

Disposition of Gas:

Vented Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION



Dually Comp. Commingled

Production Interval

CLIFTON K. OTTAWAY
CONSULTING PETROLEUM GEOLOGIST
(913) 628-6900

ORIGINAL

P.O. BOX 494

HAYS, KANSAS 67601

July 26, 1990

GEOLOGIC REPORT

Werth Exploration Trust, Leikam No. 7
NW SW SE Sec. 31-9-21
Rooks County, Kansas
Commenced: 7-18-90
Completed: 7-24-90

Pipe Record
8 5/8" @ 209' w140 sk
D & A Arbuckle
Anhydrite: 1793-1830
Drilled by: Lloyd
Drilling Co.

ELEVATION 2330 K.B.
2320 G.L. 2328 D.F.

FORMATION DATA
CORRECTED TO RA LOG

FORMATION	MINUS DATA	DEPTH
Topeka	- 982	3312
Heebner	-1193	3523
Toronto	-1214	3544
Lansing-Kansas City	-1232	3562
Base Kansas City	-1458	3788
Marmaton	-1524	3854
Arbuckle	-1586	3916
RTD	-1595	3925
LTD	-1595	3925

Cores: None
Drill Stem tests: One see below
Logs: Great Guns R.A. Guard

FORMATION DESCRIPTIONS

TOPEKA: 3312-3522

The Topeka section was mostly barren limestones and shale stringers. There was a little show in the lower section but it looked wet and the log calculated it to be wet.

TORONTO: 3544-3555

This section was white to off-white fine crystalline, chalky, slightly cherty limestone with no show.

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DIVISION

ORIGINAL

LANSING-KANSAS CITY: 3562-3778

This section was mostly chalky limestones and shale stringers. There were a couple benches (C bench & I Bench) that showed some staining and poor porosity. The log showed them to be wet. So they didn't warrant testing.

MARMATON: 3854-3870

This was an offwhite to tan, fine crystalline limestone and varicolored chert with no oil shows.

ARBUCKLE: 3916-TD.

The Arbuckle was a offwhite to tan fine to medium crystalline dolomite with poor intercrystalline and vugy porosity. There were traces of free oil, some of which were tarry and asphaltic, dark staining and slight odor. This was included in DST No. 1. The log showed this to be tight.

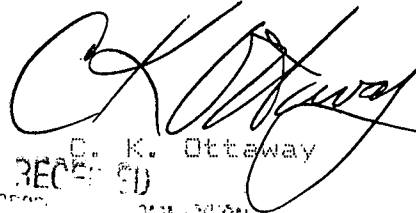
DRILL STEM TEST NO. 1: 3891-3925

Recovery: 45' muddy water with a few oil spots
Times: 60-30-30-30
IF: 67-67
FF: 76-76
ISIP: 1162
FSIP: 1133

RECOMMENDATIONS

Structurally this test well ran ten feet low on the Lansing-Kansas City top to the old producing well to the south and the Arbuckle top was sixteen feet low. This test well was also five feet low on the Lansing-Kansas City top and ten feet on the Arbuckle top to a dry hole to the northeast. There was no porosity development and the formations were tight. Based on these facts and the negative drill stem test results, the lacks of shows in the samples and the log it was recommended to plug and abandon this test hole.

Respectfully submitted


C. K. Ottaway

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Wichita, Ks.