

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

API NO. 15-167-22,783-00-00
County Russell
175' SO
NE NE NW Sec. 30 Twp. 14S Rge. 15 East
X West

Operator: License # 3007
Name Western Kansas Exploration, Inc.
Address 2700 Oak
P.O. Box 126
City/State/Zip Hays, Kansas 67601

4775
2970 Ft North from Southeast Corner of Section
Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

Purchaser Koch Oil Co.

Lease Name Jacobs-Schrant Well # 1

Operator Contact Person Stan Younger
Phone 913-628-2296

Field Name Alley West

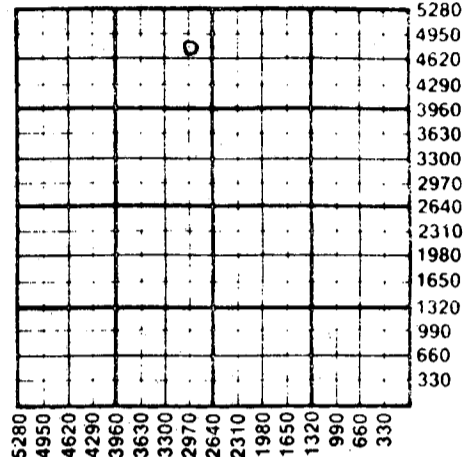
Producing Formation Lansing

Contractor: License # 4083
Name Western Kansas Drilling, Inc.

Elevation: Ground 1831 1836 KB

Wellsite Geologist Randall Kilian
Phone 913-628-6061

Section Plat



Designate Type of Completion
X New Well Re-Entry Workover

X Oil SWD Temp Abd
Gas Inj Delayed Comp.
Dry Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method: XMud Rotary Air Rotary Cable
7-26-87 8-7-87 9-3-87
Spud Date Date Reached TD Completion Date
3389 3300
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 235 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set...feet
If alternate 2 completion, cement circulated from 900 feet depth to Surface 250 SX cmt
Cement Company Name Allied Cementing Co., Inc.
Invoice # 964

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 triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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.

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 Stan Younger

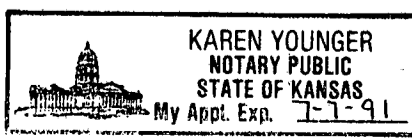
Title Date 1-6-88

Subscribed and sworn to before me this 6th day of January 1988

Notary Public Karen Younger

Date Commission Expires 7-7-91

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)
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JAN 21 1988
Form ACO-1 (5-86)
01-21-88
CONSERVATION DIVISION
Wichita, Kansas

Sec. 30 Twp. 14 Rge. 15W

Operator Name Western Kansas Exploration, Inc. Lease Name Jacobs-Schrant Well # 1

Sec. 30 Twp. 14S Rge. 15 East West County Russell

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
Topeka Lime	2776	2997
Heebner shale	2998	3003
Toronto Lime	3018	3030
Lansing Lime	3052	3270
Pleasanton	3287	3296
Arbuckle	3321	TD

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	12 1/4	8 5/8	32	235		140	
Production	7 7/8	5 1/2	14	3381	ASC	150	
Back Side Squeeze		5 1/2		900-sur		250	

PERFORATION RECORD Acid, Fracture, Shot, Cement Squeeze Record
 Shots Per Foot Specify Footage of Each Interval Perforated (Amount and Kind of Material Used) Depth

3078-83	20 shots	500g/a	

TUBING RECORD Size Set At Packer at Liner Run Yes No

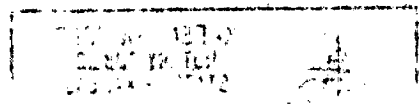
Date of First Production Producing Method
 9-5-87 Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
40 Bbls		MCF	40 Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed
 Commingled



Western Kansas Exploration, Inc.

Jacobs - Schrant #1

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STRUCTURAL COMPARISONS

	Western Kansas Exploration Jacobs - Schrant #1 175' S. of NE NE NW 30 T14S R15W	Western Kansas Exploration Leiker #1 OWWO NW - NW - NE 30 T14S R15W
<u>FORMATION</u>		
Anhydrite	+ 944 - +908	+ 945 - +909
Topeka	- 940 (212)	- 945 (221)
Heebner	-1162	-1166
Lansing	-1216 (218)	-1221 (217)
Base K.C.	-1434	-1438
Pleasanton	-1451 (9')	-1455 (8')
Arbuckle	-1485	-1499
R.T.D.	-1553	-1535

ZONES OF INTEREST

<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION</u>
Lansing "B"	3274 - 80	Limestone; buff, fine crystalline, fossiliferous, with fair intercrystalline and interfossiliferous porosity, oil saturated, trace odor, slight show of free oil. Calc. - 20% \emptyset , 37% S.W.S.

DST #1 Lansing 'B' 3061-84
TIMES 15", 30", 45", 60"
Recovery 205' G.I.P., 95' GOCM
Pressures H.P. 1630-1601 F.P. 39-58, 58-87 SIP 561 - 561#

Lansing 'E-F'	3121 - 32	Limestone; buff, fossiliferous packstone, with fair interfossiliferous porosity, oil stained to saturated, show of free oil. No odor. Calc. 10-18% \emptyset , 27-50% S.W.S
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DST #2 Lansing 'E,F' 3113-38
Times 15", 30", 45", 60"
Recovery 55' GMW Slight show of oil
Pressures H.P. 1700-1691#, F.P. 21-26, 26-31# SIP 496-545#

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<u>FORMATION</u>	<u>DEPTH</u>	<u>DESCRIPTION</u>
Pleasanton	3287-96	Limestone; buff, sand, fossiliferous grainstone, with fair interpartical porosity, oil saturated, no odor. Calc. 20-22% \emptyset , 23-37% S.W.S

DST #3 Pleasanton 3283-3300'

Times 15", 30", 45", 60"

Recovery 5' Mud

Pressures H.P. 1844-1825 F.P. 48-48, 58-58. SIP 58-58

Basal Pennsylvanian - 3301-06
Sandstones 3311-17

Sandstone, clear, quartz. Conglomerate, poorly sorted, with fair to good intergranular porosity. Show of free oil, no odor.
Calc: 30% \emptyset , 24% S.W.S.

NOTE: Please refer to Geologists Drilling Time and Sample Log for any additional information.

SUMMARY & RECOMMENDATIONS

The Jacobs - Schrant #1 well ran five feet higher structurally on the top of the Lansing than the Leiker #1 OWWO. The Lansing "B" zone is well developed and will be a commercial producing zone. The Lansing "E" zone should also contribute. The Pleasanton, despite poor drillstem test results, is four feet higher and one foot thicker than the Leiker #1 OWWO and should be productive. Several Basal Pennsylvanian Sandstones also developed reservoir quality and calculate productive. Production casing was set to further test and produce these zones.

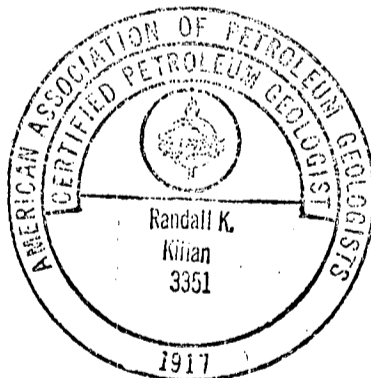
The disappointment on this well was that several other Lansing, K.C. Group zones did not develop. It should have been high enough to develop reservoir quality in the 'F', 'H', 'I' or 'J' zones. Also, the Arbuckle was very high structurally with porosity and oil shows but no permeability.

This well should be a good producer but if one of the other zones had developed, it could have been a very good producer. If the next drillsite can also gain several feet of structure, several more zones may develop.

Sincerely,

Randall Kilian

Randall Kilian
P.O. Box 126
Hays, Kansas 67601



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Wichita, Kansas