

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 4022
Name Vincent J. Duncan
Address 2300 South Tower
600 17th Street
City/State/Zip Denver, CO 80202

Purchaser N/A

Operator Contact Person Paul J. Cella
Phone (303) 623-4158

Contractor: License # 6033
Name Murfin Drilling Company

Wellsite Geologist Richard Hall
Phone (303) 980-9707

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
11/27/84 12/03/84 12/03/84
Spud Date Date Reached TD Completion Date
4225 N/A
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 258 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set... feet
if alternate 2 completion, cement circulated
from 0 feet depth to 258 w/ 180 SX cmt

API NO. 15-179-20,778-00-00
County Sheridan
NW NW NW Sec. 14 Twp. 10 Rge. 29 East West

4950 Ft North from Southeast Corner of Section
4950 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

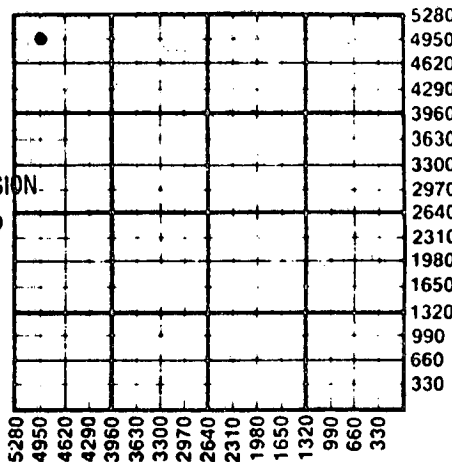
Lease Name Stewart Well #14-1

Field Name

Producing Formation NONE

Elevation: Ground 2824 KB 2829

Section Plat



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WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

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 duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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 Paul J. Cella
Title Land Manager Date 01/22/85

Subscribed and sworn to before me this 22nd day of January, 1985.
Notary Public
Date Commission Expires 5/28/87

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Time Log Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

Operator Name Vincent J. Duncan Lease Name Stewart Well # 14-1
 Sec. 14 Twp. 10 Rge. 29 East West County Sheridan

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

See Attached
 Geological Report

Name	Top	Bottom
Anhydrite	2428'	
Heebner	3922'	
Toronto	3946'	
Lansing	3958'	
Base/Kansas City	4218'	

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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		8-5/8"		258'	60/40 Poz	180	3% cc

PERFORATION RECORD

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

TUBING RECORD

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

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil-Ratio	Gravity
	Bbls	N/A MCF	Bbls		CFPB

METHOD OF COMPLETION

Production Interval

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

Open Vincent J. Duncan
 Stewart # 14-1 15-179-20778-00-00
 14-10-29W NWNWNW

Released

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GENERAL INFORMATION

Elevation	G.L. 2824' K.B. 2829'	CONSERVATION DIVISION
Contractor	Murfin Drilling Company, Rig No. 7	Wichita, Kansas
Surface Casing	8 5/8" @ 258' with 180 SX	
Total Depth	R.T.D. 4225' L.T.D. 4225'	
Drilling Time	3650' to 4225'	
Samples Saved	3680' to 4225'	
Samples Examined	3680' to 4225'	
DST Company - Number of Tests	Cheney Testing Company - 1	
Drilling Mud Company - Mud Type	Davis Mud Company - Chemical	
Electric Log Company	Great Guns - RA Guard Log (T.D. 3595')	
Well Status	D & A	
Date Spudded	Tuesday, November 27, 1984 - Spud 5:00 p.m.	
	Wednesday, November 28, 1984 - Set surface casg. @ 258'	
	Thursday, November 29, 1984 - 500' - drilling ahead	
	Friday, November 30, 1984 - 2460' - trip for bit, drilling ahead	
	Saturday, December 1, 1984 - 3260' - drilling ahead	
	Sunday, December 2, 1984 - 3925' - drilling ahead; ran DST #1 @ 4017'	
	Monday, December 3, 1984 - 4024' - drilling ahead; TD @ 4225', ran Electric Logs	
		- TD; waiting on orders

REFERENCE WELL

Braden Drilling, Inc.
 Blank No. 1-15
 NE-NE-NE
 Section 15 - T10S-R29W
 Sheridan County, Kansas
 K.B. 2835'
 October, 1968
 D & A

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FORMATION TOPS

Formation	Sample Tops	E. Log Tops	Datum (Log)	Reference Well	Test Well Difference To Reference Well
Anhydrite	2430	2428	+401	+400	+1
Base/Anhydrite	2463	2462	+367	+366	+1
Topeka	-	-	-	-738	-
Heebner	3905	3922	-1099	-1089	-10
Toronto	3924	3946	-1117	-1113	-4
Lansing	3935	3958	-1129	-1125	-4
Base/Kansas City	4168	4218	-1389	-1379	-10

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 State Geological Survey
 WICHITA BRANCH

15-179-20728-00-00

DRILL STEM TESTS

DST #1

Lansing "B-D" Zones
Open Hole Test
3980' - 4017'
37' Anchor
15-30-45-90

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First Open: Very weak blow: 0.5 inches - 5 minutes
4.0 inches - 10 minutes
6.0 inches - 15 minutes

Second Open: Weak blow : 1.0 inches - 5 minutes
5.0 inches - 10 minutes
6.0 inches - 15 minutes
7.0 inches - 20 minutes
7.0 inches - 25 minutes
8.0 inches - 30 minutes
8.5 inches - 40 minutes
8.5 inches - 45 minutes

Recovery: Total 500'
200' Mud
200' Watery mud (50% water, 50% mud)
100' Watery mud (10% water, 90% mud)

Pipe Recovery Analysis: Top: Resistivity 0.30 ohms @ 70.5°F
Chlorides 21,000 p.p.m.
Middle: Resistivity 0.15 ohms @ 72.8°F
Chlorides 48,000 p.p.m.
Bottom: Resistivity 0.12 ohms @ 80°F

Pit Mud Analysis: Resistivity 1.26 ohms @ 71.0°F
Chlorides 5,000 p.p.m.
Weight 9.2
Viscosity 47
Filtrate 9.8

IHP 1987
IFP 82-92
ISIP 1287
FFP 174-277
FSIP 1307
FHP 1967
Temperature 124°F

DIRECTIONAL SURVEYS

258' - 1/4°
2439' - 1/2°
4016' - 1 1/4°

REV 3-0 1986
DIRECTIONAL SURVEY
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ZONES OF INTEREST

Log Depth

Description, Comments

3965' - 3976' - Lansing "A" Zone

Chert, dark tan, scattered dead oil stain, no show free oil, no visual porosity; rare orangesh-yellowish chert, no show, no visual porosity. Great Guns Electric Logs calculate an average porosity of 10.7 percent and an average water saturation of 56 percent.

3990' - 3998' - Lansing "B" Zone

Limestone, off white, fine crystalline, chalky, scattered stain, minor show of free oil, no fluorescence, no cut, no odor, slight oil film on wet samples, fair-good pin point porosity. Great Guns Electric Logs calculate an average porosity of approximately 9 percent and an average water saturation of approximately 56 percent.

4009' - 4011' - Lansing "D" Zone

Limestone, white, very chalky, spotty-uneven oil stain, slight show free oil, no odor, fair fluorescence, good cut. Great Guns Electric Logs calculates a porosity of 9.5 percent and a 47 percent water saturation.

4032' - 4048' - Lansing "E-F" Zone

Limestone, off white-buff, fine crystalline-chalky, abundant dead oil stain, no show free oil, no odor, no fluorescence, good streaming cut, rare brown oil stain. Limestone, buff-tan, fine crystalline, some dense, no show. Limestone, light gray, very fine-fine crystalline, mottled, some soft, some dense, no visual-good pin point porosity.

4124' - 4126' - Lansing "I" Zone

Limestone, off white-light gray, fine crystalline, mostly even brown-black stain, no odor, good fluorescence, slight-fair cut, fair show free oil, fair pin point porosity. Great Guns Electric Logs calculate a 15 percent porosity and a 44 percent water saturation.

4130' - 4138' - Lansing "I" Zone

Limestone, tan-brown, mostly fine crystalline, hard dense, mostly even stain, no odor, good fluorescence, excellent streaming cut, fair show free oil, no visual porosity. Limestone, gray, fine crystalline, sandy, dense, good visual porosity. Chert, orange, white, yellowish, rare scattered stain, slight fluorescence and cut, no show free oil, no visual porosity. Great Guns Electric Logs show zone to be very tight.

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SUMMARY

In relation to the Reference Well, the Stewart #14-1 test well's structural position ran one (1) foot high through the Anhydrite and low throughout the rest of the well. The top of the Lansing Kansas City Formation ran four (4) feet low to the Reference Well, with the Base/Kansas City Formation being ten (10) feet low. An Isopach of the Anhydrite-Lansing in the test well shows a thickening of five (5) feet, and an Isopach of the top of the Lansing-Base/Kansas City shows a six (6) foot thickening in the test well in relation to the Reference Well.

Numerous sample shows were encountered through the Lansing-Kansas City Group, however, most were considered insignificant and did not warrant a drill stem test. Sample shows found in the Lansing "B" and "D" zones were covered in the DST #1, however, no hydrocarbons were recovered. No sample shows were found in the Topeka Formation.

Therefore, based on the low structural position, the lack of significant sample shows, the negative results of DST #1, and the resulting Electric Log calculations, it was recommended that the test be plugged and abandoned as a dry hole.

Respectively Submitted,



Richard J. Hall

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JAN 28 1985
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