

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 # 5198
name A. Scott Ritchie
address 125 N. Market
Suite 950
City/State/Zip Wichita, KS 67202

Operator Contact Person Rocky Milford
Phone (316) 267-4375

Contractor: license # 6033
name Murfin Drilling Co.

Wellsite Geologist Dan Reynolds
Phone (316) 264-6751

PURCHASER Koch Oil Company

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

PLEASE KEEP THIS
INFORMATION
CONFIDENTIAL

WELL HISTORY

Drilling Method: Mud Rotary Air Rotary Cable
6/22/85 7/05/85 7/23/85
Spud Date Date Reached TD Completion Date
4650' RTD N/A
Total Depth PBD
Amount of Surface Pipe Set and Cemented at 304' feet
Multiple Stage Cementing Collar Used? Yes No
If Yes, Show Depth Set 2490' feet
If alternate 2 completion, cement circulated
from 2490 feet depth to surface w/ 575 SX cmt

API NO. 15 - 109-20,383 - 0000

County Logan

SW NE SE Sec 13 Twp 11S Rge 32 East West

1650 Ft North from Southeast Corner of Section
990 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

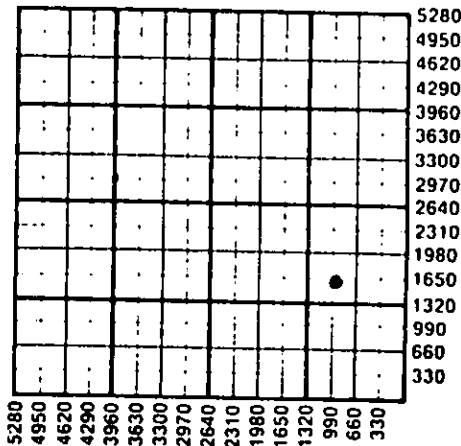
Lease Name Delzeit Well# 1

Field Name None CAMPUS, West

Producing Formation Toronto, Marmaton, Johnson

Elevation: Ground 3003' KB 3008'

Section Plat



WATER SUPPLY INFORMATION

Source of Water:
Division of Water Resources Permit #
 Groundwater Ft North From Southeast Corner and
(Well) Ft West From Southeast Corner of
Sec Twp Rge East West
 Surface Water Ft North From Southeast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge East West
 Other (explain)
(purchased from city, R.W.D.#)

Disposition of Produced Water: Disposal Repressuring
Docket # 97,736-C (C-16,920)

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. Rules 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 Robert A. Milford
Title geologist Date Aug 28, 1985
Subscribed and sworn to before me this 28th day of August 19 85
Notary Public Linda K. Rice
Date Commission Expires 6/07/88



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

Form ACO-1 (7-84)
8-30-85 AUG 30 1985

sec 13 Twp 11 Rge 32

Operator Name A. Scott Ritchie Lease Name Delzeit Well# 1 SEC 13 TWP. 11S RGE. 32 East West

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.

PLEASE KEEP THIS

Drill Stem Tests Taken Yes
 Samples Sent to Geological Survey Yes
 Cores Taken Yes

Yes No
 Yes No
 Yes No

INFORMATION CONFIDENTIAL

Formation Description Log Sample

Name	Top	Bottom
Anhydrite	2505'	(+ 503)
B/Anhydrite	2532'	(+ 476)
Topeka	3755'	(- 747)
Heebner	3979'	(- 971)
Toronto	4006'	(- 998)
Lansing	4023'	(-1015)
Stark	4245'	(-1237)
B/KC	4309'	(-1301)
Marmaton	4341'	(-1333)
Pawnee	4434'	(-1426)
Myrick Station	4469'	(-1461)
Ft. Scott	4498'	(-1490)
Cher. Sh.	4526'	(-1518)
Johnson zone	4569'	(-1561)
Cher. Sd.	absent	n/a
Miss. Lm.	4614'	(-1606)
RTD	4653'	(-1645)

DST #1 from 3983' to 4032' (Toronto-Lansing A zone). Recovered 754' of muddy frothy oil & 124' of slightly oil cut muddy water. IFP:132-297#/30"; ISIP:876#/45"; FFP:352-396#/30"; FSIP:865#/45".

DST #2 from 4034' to 4072' (Lansing C & D zones). Recovered 1136' of muddy water with scum of oil. IFP:66-393#/30"; ISIP:1096#/30"; FFP:404-524#/30"; FSIP:1096#/30".

DST #3 from 4152' to 4245' (Lansing H - J zones). Recovered 72' of gassy oil cut mud. IFP:110-110#/45"; ISIP:909#/45"; FFP:121-121#/45"; FSIP:909#/45".

DST #4 from 4240' to 4280' (Lansing K zone). Recovered 196' of watery mud, scum of oil. IFP:77-99#/45"; ISIP:1148#/45"; FFP:132-143#/45"; FSIP:1148#/45".

DST #5 from 4340' to 4375' (Marmaton). Recovered 377' of clean gassy oil, 10' of muddy gassy oil, & 789' of gas in pipe. IFP:99-132#/30"; ISIP:1452#/30"; FFP:187-198#/30"; FSIP:1398#/30".

DST #6 from 4391' to 4451' (Pawnee). Recovered 496' of muddy water with scum of oil. IFP:77-198#/45"; ISIP:920#/45"; FFP:242-308#/45"; FSIP:920#/45".

DST #7 from 4457' to 4526' (Myrick Station & Ft. Scott). Recovered 30' of gassy slightly oil cut watery mud, 372' of gassy slightly oil cut muddy water, 496' of muddy water with scum of oil, and 340' of gas in pipe. IFP:143-330#/30"; ISIP:800#/30"; FFP:396-441#/30"; FSIP:800#/30".

DST #8 from 4583' to 4604' (Cherokee sandstone). Recovered 2' of mud, no show of oil. IFP:66-66#/30"; ISIP:77#/30"; FFP:66-66#/30"; FSIP:77#/30".

DST #9 from 4081' to 4115' (Lansing E & zones) with straddle packers. Recovered 90' of slightly oil cut mud. IFP:66-66#/45"; ISIP:647#/45"; FFP:88-88#/45"; FSIP:615#/45".

(Continued on next column)

RELEASED

NOV 07 1986

CASING RECORD <input checked="" type="checkbox"/> new <input type="checkbox"/> 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	percent additives
Surface	12 1/4"	8-5/8"	23#	304'	60/40 poz.	225	3% poz. 2% gel
Production	7-7/8"	4 1/2"	10.5#	4651'	60/40 poz.	225	10% salt, 3% gilsonite, 10 sacks of salt flush.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
2 SSB	4569 1/2' to 4573'			Acidized w/750 gal. of 15% acid			4569 1/2' -73'
2 SSB	4342' to 4347'			Acidized w/1000 gal. of 15% acid			4342' -47'
2 SSB	4007' to 4010'			Acidized w/750 gal. of 15% acid			4007' -10'
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production	Producing method			Other (explain)			
7/23/85	<input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)						
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio		Gravity	
30.0 Bbls		MCF	14.0 Bbls	CFPB			

Disposition of gas: vented sold used on lease

METHOD OF COMPLETION
 open hole perforation
 other (specify)
 Dually Completed.
 Commingled

PRODUCTION INTERVAL

4007' to 4573'