

ORIGINAL

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

Form AC0-1
September 1999
Form Must Be Typed

Operator: License # 5141
Name: Zenith Drilling Corporation
Address: P. O. Box 780428
City/State/Zip: Wichita, Kansas 67278-0428
Purchaser: NCRA Purchases Lease Oil
Operator Contact Person: Russell Briggs
Phone: (316) 684-9777
Contractor: Name: Sage Drilling Company
License: No longer in business
Wellsite Geologist: Larry L. Taylor
Designate Type of Completion:
New Well Re-Entry Workover
Oil X SWD SLOW Temp. Abd.
Gas ENHR SIGW
Dry Other (Core, WSW, Expl., Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: Circle Oil Company, Inc.
Well Name: Grow #1
Original Comp. Date: 4-24-65 Original Total Depth: 3629
Deepening Re-perf. X Conv. to Enhr/SWD
Plug Back 3529 Plug Back Total Depth
Commingled Docket No. D-27,744
Dual Completion Docket No.
Other (SWD or Enhr.?) Docket No.
5-02-2000 5-02-2000 5-02-2000
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - Drilled in 1965 15-185-30389-00-01
County: Stafford
NW NW SW Sec. 21 Twp. 21 S. R. 12 East West
2310 feet from S N (circle one) Line of Section
4950 feet from E W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Grow Well #: 1
Field Name: Syms East
Producing Formation: Arbuckle
Elevation: Ground: 1861 Kelly Bushing: 1866
Total Depth: 3629 Plug Back Total Depth: 3629
Amount of Surface Pipe Set and Cemented at 280 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set Feet
Alternate II completion, cement circulated from 280
feet depth to Surface w/ 250 sx cmt.
Drilling Fluid Management Unknown 9-24-02
(Data must be collected from the Reserve Pit)
Chloride content ppm Fluid volume bbls
Dewatering method used
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter Sec. Twp. S. R. East West
County: Docket No.:

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CONSERVATION DIVISION
Wichita, Kansas

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 of 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: Russell D. Briggs
Title: Treasurer Date: 5-05-2000

Subscribed and sworn to before me this 11th day of May 2000.

Notary Public: Sharon R. Allen
Sharon R. Allen
Date Commission Expires: December 15, 2000

KCC Office Use ONLY
Letter of Confidentiality Attached
If Denied, Yes Date:
Wireline Log Received
Geologist Report Received

SHARON R. ALLEN
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 12-15-2000



Current Operator Name: Zenith Drilling Corporation Lease Name: Grow  
 Sec. 21 Twp. 21 S. R. 12  East  West County: Stafford

Well No. 1  
**JAN 1970**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken See Exhibit "A"  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run: Gamma-Neutron-Guard

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Lansing	3269	(-1403)
Base K. C.	3489	(-1623)
Arbuckle	3569	(-1703)

CASING RECORD <input type="checkbox"/> New <input checked="" 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	# Sacs Used	Type and Percent Additives
Surface	13"	8-5/8	20#	280	Pozmix	250	2% Gel
Production	7-7/8	5-1/2	15.5#	3615	Pozmix	150	2% Gel 3% G.C.

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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 Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
		Amount	Kind	
2	3593-97	500	15%	3597-3601
	3601-05	500	15%	3601-05

TUBING RECORD		Size	Set At	Packer At	Liner Run
Plastic Lined		2-3/8	3545 in compression	3545	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.			Producing Method		
SWD May 2000			<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, Sumit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

Production Interval \_\_\_\_\_



PERTINENT DATA  
GROW WELL #1  
NW1/4 NW1/4 Sw1/4 Sec. 21 T-21S R-12W  
STAFFORD COUNTY, KANSAS

Completion Date: May 10, 1965

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T. D. : 3629'

APR 03 2000

Zero : 5' Above Ground Level

Elevation : 1861 GL

CONSERVATION DIVISION  
WICHITA, KS

Casing : 8-5/8" @ 280' w/ 250 sx.  
5-1/2" @ 3615' w/ 150 sx.

Pay Zones : Arbuckle 3572' to 3629'  
K. C. 3269' to 3490'

Perforations : Arbuckle Open Hole 3615' to 3629'  
5-6-65 Arbuckle Perforations 3601'-3605' w/ 4 shots per ft.  
5-6-65 Arbuckle Perforations 3593'-3597' w/ 4 shots per ft.  
3-15-67 Arbuckle Sand Jet 3584'-3576'

Stimulations : 4-30-65 500 gal. Chem Retarded Acid 3615'-3629'  
5-4-65 500 gal. 15% Intensified & 500 gal 15% Retarded Acid  
3615'-3627'  
5-6-65 500 gal. AD Acid 3593'-3601'  
3-15-67 5500 gal. 3576' to 3601'

Well Status : 8 Producing

Grow 1

21-21-12W

**ORIGINAL**

Zenith Drilling Corp.

**EXHIBIT "A"**

<b>DST #1:</b>	<b>3330-83</b>	Open one hour. Recovered 65' of mud. Flow Pressure 20#. BHP = 1190-1080#
<b>DST #2:</b>	<b>3385-3437</b>	Open one hour. Recovered 35' of mud. Flow Pressure 0#. BHP = 1160-330#
<b>DST #3:</b>	<b>3571-85</b>	Open one hour. Recovered 1485' gassy oil. Flow Pressure 75-450#. BHP = 1070-1020#
<b>DST #4:</b>	<b>3585-3605</b>	Open one hour. Recovered 1560' gassy oil. Flow Pressure 180-535#. BHP = 920-790#
<b>DST #5</b>	<b>3605-3620</b>	Open one hour. Recovered 1025' gassy oil. Flow Pressure 60-310#. BHP - 850-360#

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