

SIDE ONE

ORIGINAL

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

API NO. 15- 185-22,647-0000  
County Stafford

NW SW NE Sec. 5 Twp. 23 Rge. 14 East West  
3630 ✓ Ft. North from Southeast Corner of Section  
2310 ✓ Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Salbe Well # 6

Field Name Crissman North Wood

Producing Formation LKC

Elevation: Ground 1955 KB 1963

Total Depth 4080 PBTD: \_\_\_\_\_

Operator: License # 5929

Name: Duke Drilling Co., Inc.

Address 310 West Central - Suite 117

City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_

Operator Contact Person: Ralph R. Hamilton

Phone (316) 267-1331

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Jim Musgrove

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SMD  Temp. Abd.

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If **OWO**: old well info as follows: STATE CORPORATION COMMISSION  
Operator: \_\_\_\_\_

Well Name: JUL 10 1990

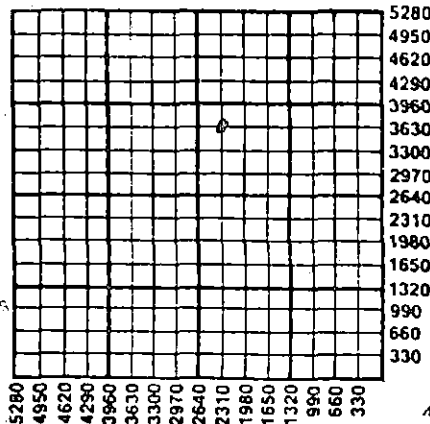
Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method: \_\_\_\_\_

Mud Rotary  Air Rotary  Cable

1-27-90 2-3-90 2-12-90

Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 318 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ SX cmt.

**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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 James P. Davis  
James P. Davis

Title President Date 4/25/90

Subscribed and sworn to before me this 25 day of April,  
19 90.

Notary Public H.D. Boyd  
H.D. Boyd

Date Commission Expires 8-3-93



**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)

ORIGINAL

FILE COPY

**SIDE TWO**

Operator Name Duke Drilling Co., Inc. Lease Name Selbe Well # 6

Sec. 5 Twp. 23 Rge. 14  East  West  
 County Stafford

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;"><b>Formation Description</b></p> <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample  Name <u>LKC</u> Top <u>3552</u> Bottom <u>3789</u>
---	---

CASING RECORD <input checked="" 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	# Sacks Used	Type and Percent Additives
Surface	12 1/4"	8-5/8"	23#	318'	60/40poz	175	2% gel 3% cc.
Production	7-7/8"	5 1/2"	14#	4070'	60/40poz	175	Salt Sat.

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4	3756-61	500 gal. MCA	
4	3711-20	500 gal. MCA, 3000 gal. 15% FE	
4	3674-81		
	Squeezed	150 sx 60-40 pozmix	
4	3711-20	250 gal., 15% NE	
4	3674-81	250 gal. 15% NE	
	CIBP @ 3700		
2	3674-80	150 gal. 28% NE; 250 gal. Mud Acid	

<b>TUBING RECORD</b>	Size <u>2 3/8"</u>	Set At <u>3690</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
----------------------	--------------------	--------------------	-----------	---

Date of First Production 2-26-90 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil <u>5</u> Bbls.	Gas	Mcf	Water <u>5</u> Bbls.	Gas-Oil Ratio	Gravity <u>24</u>
-----------------------------------	--------------------	-----	-----	----------------------	---------------	-------------------

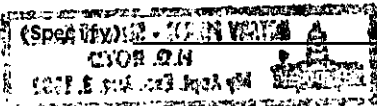
Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled

Other (Specify) \_\_\_\_\_

Production Interval 3674-80



ORIGINAL

Anhydrite	333	-1089
Hecla	340	-1115
Toronto	3439	-1167
Douglas	3448	-1185
Brown Lime	3540	-1577
Lansing	3552	-1589
Base-Kansas City	3789	-1826
Conglomerate	3865	-1902
Viola	3914	-1951
Simpson	3988	-2025
Simpson Sand (3')	3991	-2028
Simpson Sand (3')	3999	-2036
Simpson Sand (8')	4006	-2043
Simpson Sand (4')	4034	-2071
Arbuckle	4044	-2081
Electric Log Total Depth	4081	-2118

(All depths are corrected to the Electric Log measurements)

DRILL STEM TEST #1 - 3666-3685' (Lansing 'H' Zone)

Open: 45-30"

Blow: Weak for 35"

Recovery: 5 feet mud, few specks oil

Pressures: ISIP 91 p.s.i. (45")  
 FSIP 81 p.s.i. (45")  
 FP (61-61)(61-61) p.s.i.  
 HSH 1872-1802 p.s.i.

DRILL STEM TEST #2 - 3004-3100'

Open: 45-45"

Blow: Fair to weak

Recovery: 70 feet mud cut oil  
 60 feet muddy oil cut water

Pressures: ISIP 367 PSI (45")  
 FSIP 316 psi (45")  
 FP (81-81) (112-112)  
 HSH 1882-1862 psi

MAY 04 1990

Wichita, Kansas

ORIGINAL

SIDE ONE

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

Operator: License # 5929  
Name: Duke Drilling Co., Inc. (Condor ENERGY)  
Address 310 West Central - Suite 117  
City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_  
Operator Contact Person: Ralph R. Hamilton

Phone (316) 267-1331

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: \_\_\_\_\_

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

If **OWO**: old well info as follows:  
Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:  
 Mud Rotary  Air Rotary  Cable

1-27-90 2-3-90 2-12-90  
Spud Date Date Reached TD Completion Date

API NO. 15- 185-22,647-0000

County Stafford

NW SW NE  Sec. 5 Twp. 23 Rge. 14  East West

3630  Ft. North from Southeast Corner of Section

2310  Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

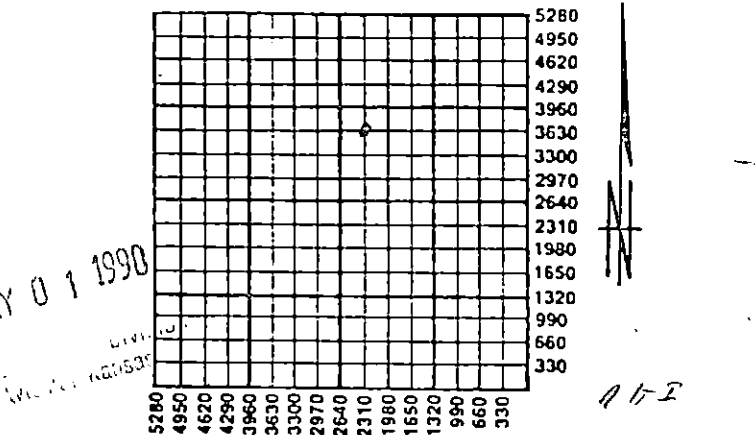
Lease Name Selbe  Well # 6

Field Name Wood Da HCC

Producing Formation Kansas City Da HCC

Elevation: Ground 1955 KB 1963

Total Depth 4080 PBSD \_\_\_\_\_



Amount of Surface Pipe Set and Cemented at 318 feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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.

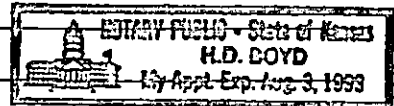
Signature James P. Davis  
James P. Davis

Title President Date 4/25/90

Subscribed and sworn to before me this 25 day of April, 19 90.

Notary Public H.D. Boyd  
H.D. Boyd

Date Commission Expires 8-3-93



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

SIDE TWO

Operator Name Duke Drilling Co., Inc. Lease Name Selbe Well # 6  
 Sec. 5 Twp. 23 Rge. 14  East County Stafford  
 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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample Name Top Bottom
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

CASING RECORD <input checked="" 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	# Sacks Used	Type and Percent Additives
Surface	12 1/2"	8-5/8"	23#	318'	60/40poz	175	2% gel 3% cc.
Production	7-7/8"	5 1/2"	14#	4070'	60/40poz	175	Salt Sat.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth.			
Shots Per Foot	Specify Footage of Each Interval Perforated						
4	3756-61			500 gal. MCA			
4	3711-20			500 gal. MCA, 3000 gal 15% FE			
4	3674-81			Squeezed 150 sx 60-40 pozmix			
4	3711-20			250 gal., 15% NE			
4	3674-81			250 gal. 15% NE			
2	CIBP @ 3700			150 gal, 28% NE; 250 gal Mud Acid			
2	3674-80			Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 750 gal. SGA			
TUBING RECORD							
Date of First Production		Producing Method					
2-26-90		<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio		Gravity
		5		5			24

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 3674-80

ORIGINAL

Anhydrite	885	+1080
Hecleer	349	-1115
Toronto	3430	-1107
Douglas	3448	-1185
Brown Lime	3540	-1577
Lansing	3552	-1589
Base-Kansas City	3789	-1826
Conglomerate	3865	-1902
Viola	3914	-1951
Simpson	3988	-2025
Simpson Sand (3')	3991	-2028
Simpson Sand (3')	3999	-2036
Simpson Sand (8')	4006	-2043
Simpson Sand (4')	4034	-2071
Arbuckle	4044	-2081
Electric Log Total Depth	4081	-2118

(All depths are corrected to the Electric Log measurements)

DRILL STEM TEST #1 - 3666-3685' (Lansing 'H' Zone)

Open: 45-30"

Blow: Weak for 35"

Recovery: 5 feet mud, few specks oil

Pressures: ISIP 91 p.s.i. (45")  
 FSIP 81 p.s.i. (45")  
 FP (61-61)(61-61) p.s.i.  
 HSH 1872-1802 p.s.i.

DRILL STEM TEST #2 - 3684-3760'

Open: 45-45" 3684-3760

Blow: Fair to weak

Recovery: 70 feet mud cut oil  
 60 feet muddy oil cut water

Pressures: ISIP 367 PSI (45")  
 FSIP 316 psi (45")  
 FP (81-81) (112-112)  
 HSH 1882-1862 psi

MAY 01 1990

J.C. MUSGROVE

Certified Petroleum Geologist #1627  
P.O. Box 1162  
Great Bend, Kansas 67530

ORIGINAL

Res. (316) 793-9152

Office (316) 792-7716

GEOLOGICAL REPORT

(A.P.I. 15-185-22, 647)

Condor Energy, Inc. (Duke Drv'l. Co.)  
#6 Selbe

NW NW NE Section 5-23S-14W  
Stafford County, Kansas

5 1/2" CASING SET

CONTRACTOR: Duke Drilling (Rig #4)

COMMENCED: 1-27-90

COMPLETED: 2-3-90

ELEVATIONS: 1963' K.B., 1955' G.L.

CASING PROGRAM: Surface - 8 5/8" @ 318'  
Production - 5 1/2" @ 4070'

MEASUREMENTS: All depths measured from the Kelly Bushing.

SAMPLES: Samples saved 3200' to the R.T.D.

DRILLING TIME: One (1') foot drilling time recorded by drillers, 3200' to the R.T.D.

ELECTRIC LOG: Halliburton Logging Services:  
Radiation Guard, Side-Wall Neutron and Caliper.

FORMATION TESTING: There were two (2) drill stem tests run by Western Testers.

<u>FORMATION</u>	<u>ELECTRIC LOG DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite	883	+1080
Heebner	3408	-1445
Toronto	3430	-1467
Douglas	3448	-1485
Brown Lime	3540	-1577
Lansing	3552	-1589
Base-Kansas City	3789	-1826
Conglomerate	3865	-1902
Viola	3914	-1951
Simpson	3988	-2025
Simpson Sand (3')	3991	-2028
Simpson Sand (3')	3999	-2036
Simpson Sand (8')	4006	-2043
Simpson Sand (4')	4034	-2071
Arbuckle	4044	-2081
Electric Log Total Depth	4081	-2118

(All depths are corrected to the Electric Log measurements)

SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

LANSING SECTION

3554-3560' Limestone; gray to cream, slightly  
( 'A' Zone)

MAY 01 1990  
J.C. MUSGROVE, Kansas

fossiliferous, chalky; no shows of oil.

3572-3578'  
( 'B' Zone) Limestone; cream to white, oolitic, few pieces medium crystalline, fair crystalline porosity, spotty stain, trace free oil, questionable odor in fresh samples.

3594-3598'  
( 'D' Zone) Limestone; white, fossiliferous, chalky. Light brown to golden stain and slight show of free oil. No odor in fresh samples.

3624-3628'  
( 'F' Zone) Limestone; tan, fossiliferous, cherty in part, scattered calcite crystals in crystalline porosity. Trace cream to white sub-ocastic limestone. No shows.

3639-3664'  
( 'G' Zone) Limestone; cream to gray, fossiliferous to sub-ocastic. No shows of oil.

3675-3681'  
( 'H' Zone) Limestone; gray, oocastic, fair oocastic porosity. Fair stain and saturation. Fair show of free oil (gassy). Fair odor in fresh samples.

DRILL STEM TEST #1 - 3666-3685' (Lansing 'H' Zone)

Open: 45-30"  
Blow: Weak for 35"  
Recovery: 5 feet mud, few specks oil  
Pressures: ISIP 91 p.s.i. (45")  
FSIP 81 p.s.i. (45")  
FP (61-61)(61-61) p.s.i.  
HSH 1872-1802 p.s.i.

3695-3700'  
( 'I' Zone) Limestone; tan oolitic, slightly cherty. Poor visible porosity. Scattered brown to dark brown stain. Trace free oil.

3711-3720'  
( 'J' Zone) Limestone; gray, oolitic to oocastic, fair oocastic porosity. Spotty brown to black stain. Show free oil (heavy, black) and questionable odor.

3738-3743'  
( 'K' Zone) Limestone; gray oolitic, chalky in part, dark black stain. Show free oil, no odor.

DRILL STEM TEST #2 - 3684-3760'

Open: 45-45"  
Blow: Fair to weak  
Recovery: 70 feet mud cut oil  
60 feet muddy oil cut water

MAY 01 1990



