

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Operator: License # 6039
Name: L. D. Drilling, Inc.
Address: 7 SW 26th Avenue
City/State/Zip: Great Bend, KS 67530
Purchaser: NCRA
Operator Contact Person: L. D. Davis
Phone: (620) 793-3051
Contractor: Name: Duke Drilling Co., Inc.
License: 5929
Wellsite Geologist: Kim Shoemaker

API No. 15 - 185-23197-0000
County: Stafford
SE SE NE NE Sec. 9 Twp. 21 S. R. 14 East West
2970' feet from (S) N (circle one) Line of Section
330' feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) (NE) (SE) NW SW
Lease Name: Holt Well #: 1
Field Name: Taylor

Producing Formation: Conglomerate
Elevation: Ground: 1923' Kelly Bushing: 1928'
Total Depth: 3870' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 860' 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.

Drilling Fluid Management Plan *Action 1-16-04*
(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.: _____

Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)
If Workover/Re-entry: Old Well Info as follows:
Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to Enhr./SWD
 Plug Back Plug Back Total Depth
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Enhr.?) Docket No. _____

<u>11-14-03</u>	<u>11-21-03</u>	<u>12-9-03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

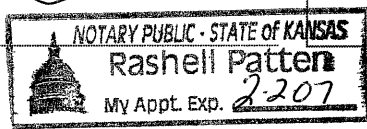
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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202. within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 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 Patten
Title: Secretary/Treasurer Date: 12-22-03
Subscribed and sworn to before me this 22nd day of December,
20 03.
Notary Public: Rashell Patten
Date Commission Expires: 2/2/07

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



15-185-23197-0000

Side Two

ORIGINAL

Operator Name: L. D. Drilling, Inc. Lease Name: Holt Well #: 1
 Sec. 9 Twp. 21 S. R. 14 East West County: Stafford

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 <i>(Attach Additional Sheets)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(See Attachments)	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Radiation Guard Log	
List All E. Logs Run:		Dual Compensated Porosity Log	
		Dual Induction Log	
		Sonic Cement Bond Log	

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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	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20#	860'	70/30 Poz	450	2% Gel, 3% CC
Production		4 1/2"	10.5#	3869'	50/50 Poz	175	10% Salt, 3/4% FLA-322

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	3658' - 3660'	Acid - 1000 Gal. 10% OSA, 990 Gal Diesel, 110 Gal acedic, 8 Gal HF	
4	3664' - 3670'	Frac - 150 sx Sand in 480 bbl jelled water 2400 # pressure	

TUBING RECORD		Size 2 3/8"	Set At 3866'	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First. Resumerd Production, SWD or Enhr. 12-9-03		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil Bbls. 10	Gas Mcf	Water Bbls. Trace	Gas-Oil Ratio	Gravity

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled

Production Interval: Other *(Specify)*

DAILY DRILLING REPORT

ORIGINAL

OPERATOR: L. D. DRILLING, INC.
 WELLSITE GEOLOGIST: Kim Shoemaker
 CONTRACTOR: Duke Drilling Co., Inc.
 SPUD: 11-14-03

LEASE: HOLT #1
 SE SE NE SEC. 9-21-14
 Stafford Co.
 ELEVATION: 1923 GR 1931 KB
 PTD: 3850'

SURFACE: Set 860' 8 5/8" Surface Csg. W/450 sx. 70/30 Poz 2% Gel, 3% cc
 Plug down @ 9:15 A.M. 11-15-03

11-14-03 MIRU SPUD
 11-15-03 860' WOC
 11-16-03 1392' Drilling
 11-17-03 2180' Drilling
 11-18-03 2700' Drilling
 11-19-03 3398' Drilling
 11-20-03 3700' OB W/DST #1
 11-21-03 3801 Circ for Simpson Sand
 11-22-03 RTD 3870'
 Ran 90 Jts. new 4 1/2" production csg.
 Set @ 3869' W/175 sx. 50/50 pozmix
 Plug down 4:30 A.M. 11-22-03

DST #1 3607-3700 Cong./Viola
 TIMES: 30-45-45-75
 BLOW: 1st Open blt to 5"
 2nd Open bb in 15 min.
 RECOVERY: 320' gip, 50' mco 20% mud,
 20% gas, 60% oil
 IFP:15-22 FFP:23-34 ISIP:635 FSIP:725

TEMP: 104°

DST #2 3697-3737 Viola
 TIMES: 30-30-30-30
 BLOW: 1st Open 1/4" blow dec. to surf. blow
 2nd Open no blow
 RECOVERY: 5' socm 5% oil, 95% mud
 IFP:13-15 FFP:16-16 ISIP:29 FSIP: 23

TEMP: 101

DST #3
 TIMES:
 BLOW: 1st Open
 2nd Open
 RECOVERY:

IFP: FFP: ISIP: FSIP:

TEMP:
 Heebner 3275 (-1344)
 Brown Lime 3397 (-1466)
 Lansing 3407 (-1476)-34' t
 B/KC 3623 (-1692) Keenan
 Viola 3658 (-1727)-27' t
 Simpson shale 3775 (-1844) Keenan
 No Arbuckle reached +105' to Keen
 SEE PAGE 2 FOR LOG TOPS

SAMPLE TOPS:

Chase	1836 (+95)	
Winfield	1888 (+43)	-5' to Keenan
Towanda	1950 (-19)	
Council Grove	2152 (-22)	-7' to Keenan
Neva	2320 (-389)	
Red Eagle	2390 (-459)	
Root	2623 (-692)	
Stotler	2705 (-774)	-20' to Keenan
Tarkio	2769 (-838)	
Howard	2913 (-982)	
Topeka	2989 (-1058)	

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LOG TOPS:

Chase	1836 (+95)
Winfield	1891 (+40)
Towanda	1956 (-25)
Council Grove	2156 (-225)
Neva	2331 (-400)
Red Eagle	2390 (-459)
Root	2624 (-693)
Stotler	2704 (-773)
Tarkio	2769 (-838)
Howard	2913 (-982)
Topeka	2985 (-1054)
Heebner	3274 (-1343)
Brown Lime	3397 (-1466)
Lansing	3410 (-1479)
Base K/C	3628 (-1697)
Cong. Chert	3658 (-1727)
Simpson Shale	3775 (-1844)
LTD	3870 (-1939)

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ALLIED CEMENTING CO., INC. 12866

Federal Tax I.D.# [REDACTED]

ORIGINAL
SERVICE POINT:

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

15-185-23197-0000

Great Bend

DATE <u>11-15-03</u>	SEC <u>9</u>	TWP. <u>21</u>	RANGE <u>12W</u>	CALLED OUT <u>5:00 AM</u>	ON LOCATION <u>7:00 AM</u>	JOB START <u>8:15 AM</u>	JOB FINISH <u>9:15 AM</u>
LEASE <u>Holt</u>	WELL # <u>#1</u>	LOCATION <u>Old Radium Pdr South to</u>			COUNTY <u>Stafford</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			Curve - 1/2 East - 1/2 south - West into				

CONTRACTOR Duke #3
 TYPE OF JOB Surface Pipe
 HOLE SIZE 12 1/4 T.D. 860'
 CASING SIZE 8 5/8 DEPTH 860'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. Approx 15'
 PERFS. _____
 DISPLACEMENT 54 BBIs

OWNER L.D. Drlg
 CEMENT AMOUNT ORDERED 450.5x 70/30 342

EQUIPMENT

PUMP TRUCK # 181 CEMENTER Jack HELPER Bur
 BULK TRUCK # 344 DRIVER Don
 BULK TRUCK # _____ DRIVER _____

COMMON	<u>315</u>	@	<u>7.15</u>	<u>2252.25</u>
POZMIX	<u>135</u>	@	<u>3.80</u>	<u>513.00</u>
GEL	<u>9</u>	@	<u>10.00</u>	<u>90.00</u>
CHLORIDE	<u>14</u>	@	<u>30.00</u>	<u>420.00</u>
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
_____	_____	@	_____	_____
HANDLING	<u>423</u>	@	<u>1.15</u>	<u>543.95</u>
MILEAGE	<u>.05x 423x 12</u>			<u>283.80</u>

RECEIVED TOTAL 4103.00

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KCC WICHITA SERVICE

DEPTH OF JOB	<u>860'</u>		
PUMP TRUCK CHARGE	<u>0-300'</u>		<u>520.00</u>
EXTRA FOOTAGE	<u>560'</u>	@	<u>.50</u> <u>280.00</u>
MILEAGE	<u>12</u>	@	<u>3.50</u> <u>42.00</u>
PLUG	<u>1-8 5/8 Rubber</u>	@	<u>100.00</u> <u>100.00</u>
_____	_____	@	_____
_____	_____	@	_____

TOTAL 942.00

REMARKS:
Run 20 jts of 8 5/8 - cement with
450.5x cement - Displace plug with
54 BBIs @ fresh water
Cement Die Circ. ✓
1 hr

CHARGE TO: L.D. Drlg.
 STREET _____
 CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____

TOTAL _____

To Allied Cementing Co., Inc.
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

TAX _____
 TOTAL CHARGE 942.00
 DISCOUNT 0.00 IF PAID IN 30 DAYS

SIGNATURE Steve H Stephens

STEVE H STEPHENS
 PRINTED NAME

ANY APPLICABLE TAX
 WILL BE CHARGED
 UPON INVOICING

15-185-23197-0000

ORIGINAL

TREATMENT REPORT



Customer ID		Date	
Customer <i>L.D. DRULONG</i>		<i>11-22-03</i>	
Lease <i>HOLT</i>		Lease No.	Well # <i>1</i>
Field Order # <i>7403</i>	Station <i>PRATT, KS</i>	Casing <i>4 1/2</i>	Depth <i>3869'</i>
Type Job <i>LONGSTRONG-NW</i>	Formation <i>TD-3870</i>	County <i>STAFFORD</i>	State <i>KS</i>
		Legal Description <i>9-21-14</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>4 1/2</i>	Tubing Size	Shots/Ft		Acid <i>175 SK 50/50 P02</i>	RATE	PRESS	ISIP	
Depth <i>3869</i>	Depth	From	To	Pre-Pad <i>10% SPT</i>	Max		5 Min.	
Volume	Volume	From	To	Pad <i>3/4% FLA-322</i>	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To	Flush	HHP Used		Annulus Pressure	
Plug Depth <i>3876</i>	Packer Depth	From	To		Gas Volume		Total Load	

Customer Representative *L.D.* Station Manager *ANTHONY* Treater *K. CORDNEY*

Service Units	<i>107</i>	<i>27</i>	<i>35</i>	<i>71</i>				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0000</i>					<i>ON LOCATION</i>
					<i>RECEIVED</i>
					<i>DEC 24 2003</i>
					<i>KCC WICHITA</i>
					<i>RUN 3876' 4 1/2 CASING</i>
					<i>GUIDE SHOE, INSERT FLOAT</i>
					<i>CENT. - 1-3-5-7-9-11</i>
					<i>THE BOTTOM - DROP BULK - BREAK C</i>
<i>0130</i>	<i>250</i>		<i>20</i>	<i>6</i>	<i>PUMP 20 bbl SPT FLUSH</i>
	<i>250</i>		<i>7</i>	<i>6</i>	<i>PUMP 7 bbl SUPERFLUSH</i>
	<i>250</i>		<i>3</i>	<i>6</i>	<i>PUMP 3 bbl H2O SPACER</i>
	<i>200</i>		<i>39</i>	<i>6</i>	<i>MIX 175 SK 50/50 P02</i>
					<i>10% SPT, 3/4% FLA-322</i>
					<i>14.8 PP3, 1.25 PP3/SK</i>
					<i>STOP - WASH LINE - DROP PLUG</i>
	<i>0</i>		<i>0</i>		<i>START DISP.</i>
	<i>250</i>				<i>LEFT CEMENT</i>
	<i>500</i>		<i>55</i>		<i>SLOW RATE</i>
<i>0400/200</i>			<i>61</i>		<i>PLUG DOWN - RELEASE - TEST</i>
					<i>PLUG RH & MH - 25 SK 60/40</i>
<i>0430</i>					<i>JOB COMPLETE - THANKS - KEV.</i>

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • Phone (620) 672-1201 • Fax (620) 672-5383