

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

Form ACO-1
September 1999
Form Must Be Typed

Operator: License # 6039
Name: L. D. Drilling, Inc.
Address: Route 1, Box 183 B
City/State/Zip: Great Bend, Kansas 67530
Purchaser: NCRA
Operator Contact Person: L. D. Davis
Phone: (620) 793-3051
Contractor: Name: Company Tools
License: 6039
Wellsite Geologist: Kim Shoemaker

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>4-6-02</u>	<u>4-15-02</u>	<u>5-02-02</u>
Spud Date or	Date Reached TD	Completion Date or
Recompletion Date		Recompletion Date

API No. 15 - 101-21798-0000

County: Lane
N/2 SW NW Sec. 2 Twp. 16 S. R. 30 ☐ East ☒ West
1650 feet from S (N) (circle one) Line of Section
710 feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE (NW) SW

Lease Name: York Well #: 1

Field Name: Un-Named

Producing Formation: Marmaton Zone

Elevation: Ground: 2620' Kelly Bushing: 2625'

Total Depth: 4370 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 269 Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set 2023 Feet

If Alternate II completion, cement circulated from 2023
feet depth to 0 w/ 225 sx cmt.

Drilling Fluid Management Plan AK 11 EN B-12-CA
(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.: _____

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.

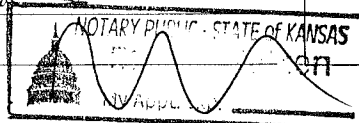
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Bessie Dewerff
Title: Sec/Treas Date: 8-01-02

Subscribed and sworn to before me this 1st day of August

~~xx~~ 2002

Notary Public: Rashell Patten
Date Commission Expires: 2-02-03



KCC Office Use ONLY

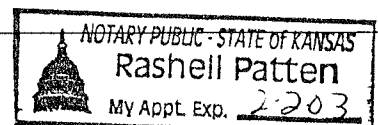
☒ Letter of Confidentiality Attached

If Denied, Yes ☐ Date: _____

☒ Wireline Log Received

☒ Geologist Report Received

UIC Distribution



COPY

Operator Name: L. D. Drilling, Inc.Lease Name: YorkWell #: 1Sec. 2 Twp. 16 S. R. 30East ☒ WestCounty: Lane

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 ☒ Yes No

(Attach Additional Sheets)

Samples Sent to Geological Survey ☒ Yes NoCores Taken Yes ☒ NoElectric Log Run Yes ☒ No

(Submit Copy)

List All E. Logs Run:

RADIATION GUARD, NEUTRON/DENSITY POROSITY,

DUAL INDUCTION LOG

Log Formation (Top), Depth and Datum Sample

Name Top Datum

SEE ATTACHMENT

See Attachment

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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	12 1/4"	8 5/8"	24#	269'	60/40 Poz		
Casing	7 7/8"	4 1/2"		4361'		225	EA2-300gal mud
					Flush 20bbl	X CL Flush	

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
____ Perforate				
____ Protect Casing				
____ Plug Back TD				
____ 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
4 spf	4125-4127, 4072-4077, 3952-3957	15% NE 500 gal.	4125-4127
		15% NE 750 gal.	4072-4077
		15% NE 1000 gal.	3952-3957

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	4360'		Yes No ☒

Date of First, Resumed Production, SWD or Enhr.	Producing Method	Flowing	Pumping	Gas Lift	Other (Explain)
44-27-02			☒		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	25		20		

Disposition of Gas METHOD OF COMPLETION

Production Interval

☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

☐ Open Hole ☒ Perf.
☐ Other (Specify)

☐ Dually Comp. ☐ Commingled

COPY

DAILY DRILLING REPORT

OPERATOR: L. D. DRILLING, INC.

LEASE: YORK #1

WELLSITE GEOLOGIST: KIM SHOEMAKER

50' E N/2 SW NW Sec: 2-16s-30w
Lane County, KS

CONTRACTOR: L.D. DRILLING, INC.

ELEVATION: 2620' Ground 2625' KTB

SPUD: 4-05-02 8:30 PM

PTD: 4350'

SURFACE: Ran 6 Jts. 24# 8 5/8" Set @ 269' W/185 sx. 60/40 Pozmix, 2% Gel, 3% cc
Plug down 2:30 A.M. 4-06-02 Did Circulate..Allied Cementing

4-05-02 Move In RT
Work on Rig, To Set Surface 4-6-02
4-06-02 273' WOC Drill plug @ 11:15 A.M.
4-07-02 1600' Drilling
4-08-02 2735' Drilling
4-09-02 3370' Drilling Mudded up @ 3176'
4-10-02 3813' CFS
4-11-02 3944' DST #2 in progress
4-12-02 3975' Finishing DST #3
4-12-02 4137' DST #5
4-13-02 4210' DST #6
4-15-02 4370' Coming out for log
4-16-02
Ran 103 Jts. New 14.5# 4 1/2"
Production Csg. Set @ 4361' W/225 sx. EA-2,
300 gal mud flush, 20 bbl KCL flush. 15 sx.
in rathole. Plug down 12:30 A.M. 4-16-02
Swift Cementers
4-17-02 Move in Plains Well Service run 2320'
tubing, open port collar, cement W/300 sx.
Mid-Con II, circulated to pit. Close tool,
pressure up, back out everything ok. Drop down
5 Jts. wash & clean out csg., pull tubing,
shut down for day. Rig tore down.
Will run collar Log April 22nd.
Will drill well in, perforate and complete
April 25th (weather permitting)

SAMPLE TOPS:

Anhy (top)	2023	(+602)
(base)	2052	(+573)
Wabaunsee	3294	(+669)
Heebner	3674	(-1049)
Lansing	3712	(-1087)
Muncie Creek	3878	(-1253)
Stark	3971	(-1346)
B/KC	4044	(-1419)
Marm.	4074	(-1449)
Pawnee	4161	(-1536)
Myrick Station	4196	(-1571)
Ft. Scott	4221	(-1596)
Cherokee	4246	(-1621)
Johnson	4287	(1662)
Mississippian	4321	(-1696)

(see page 2 for Log tops)

E&F
DST #1 3781-3813 L/KC 70-90 zone
TIMES: 30-45-45-60
BLOW: 1st Open 3 1/2" blow
2nd open 1" blow dec. to 1/4"
RECOVERY: 70' gip, 50'sg&mco
20% mud, 5% gas, 75% oil
IFP: 13-20 FFP: 25-29 ISIP: FSIP:
HP 1845-1832 Temp 112° 918 866
DST #2 3876-3944 H&I zone 140-160
TIMES: 30-45-45-60
BLOW: 1st open blt to 6"
2nd open 3/4" dec. to 1/2"
RECOVERY: 30' gip, 3' co, 210' vso&gcwm
2% oil, 10% g, 5% w, 83% mud
180' gcmw 5% g, 10% m, 85% w
IFP: 35-120 FFP: 125-215 ISIP: FSIP:
HP 1930-1918 Temp. 122 861 825
DST #3 3942-3975 LKC J Zone
TIMES: 30-45-45-60
BLOW: 1st open bb 9 min
2nd open bb 15 min.
RECOVERY: 1100' gip, 220' cgo 38° grav.
60' mcgo, 10% m, 20% g, 70% oil
IFP: 14-61 FFP: 64-114 ISIP: 949 FSIP:
923
HP 1913-1872 Temp. 123°
DST #4 3970-3995 Lansing K Zone
Times: 30-45-45-60
BLOW: 1st open 1/2" 2nd open: 1/4"
RECOVERY: 30' mw 50% water W/few oil
specks
IFP: 11-17 FFP: 19-25
ISIP: 409 FSIP: 406
HP: 1929-1905 TEMP. 114

(See Page 2)

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LOG TOPS

Anhy	(top)	2022	(+603)
	(base)	2050 2150	(+575)
Wabaunsee		3292	(-667)
Heebner		3673	(-1048)
Lansing		3712	(-1087)
Muncie Creek		3878	(-1253)
Stark		3970	(-1345)
B/KC		4045	(-1420)
Marm.		4072	(-1447)
Pawnee		4159	(-1534)
Myrick Station		4198	(-1573)
Ft. Scott		4220	(-1595)
Cherokee		4244	(-1619)
Johnson		4286	(-1661)
Miss.		4319	(-1694)
LOG TD		4369	(-1744)

DST #5 4060-4137 Marmaton/Altamont

TIMES: 30-45-45-60

BLOW: 1st open: bb in 14 min.

1nd open: bb in 7 min.

RECOVERY: 1000' gip, 170' cgo 33°
60' m&gco

IFP: 33-66 FFP: 70-116

ISIP: 622 FSIP: 597

HP: 2014-1996 TEMP: 115

DST #6 4182-4210 Myrick Station

TIMES: 30-45-45-60

Blow: blt. to 8"

Blt to 6"

RECOVERY: 100' MW, 850' gassy water

IFP: 9-222 FFP: 225-454

ISIP: 1070 FSIP: 1053

HP: 2031-1988 TEMP: 131°

DST #7 4213-4303 Ft.Scott/Cherokee/Johnson

TIMES: 30-45-30-45

BLOW: 1st open blt to 2"

2nd open blt to 1/2"

RECOVERY: 45' socwm 6% oil, 37% water, 91% mud

IFP: 44-53 FFP: 55-63

ISIP: 949 FSIP: 818

HP: 2128-2075 Temp: 121

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