

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 26 AVE.
City/State/Zip: GREAT BEND, KANSAS 67530
Purchaser: NCRA
Operator Contact Person: L. D. DAVIS
Phone: (620) 793-3051
Contractor: Name: PETROLMARK DRILLING, LLC
License: _____
Wellsite Geologist: KIM SHOEMAKER/JIM MUSGROVE

RECEIVED

APR 06 2005

KCC WICHITA

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>02/15/05</u>	<u>02/23/05</u>	<u>03/09/05</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-24818-00-00
County: BARTON 80' S & 230' E OF
NW - SW - SW. Sec. 31 Twp. 20 S. R. 12 East West
910 feet from S / N (circle one) Line of Section
560 feet from E / W (circle one) Line of Section

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

Field Name: SHAFFER-ROTHGARN

Producing Formation: ARBUCKLE

Elevation: Ground: 1856' Kelly Bushing: 1862'

Total Depth: 3632' Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at 389.53 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 Alt / NCR 7-21-08
(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: Rashell Patten

Title: SECRETARY/TREASURER Date: APRIL 5, 2005

Subscribed and sworn to before me this 5 day of APRIL,
20 05.

Notary Public: Rashell Patten
Rashell Patten

Date Commission Expires: 02-02-07



KCC Office Use ONLY

NO Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

✓

X

Operator Name: L. D. DRILLING, INC. Lease Name: BROWN Well #: 1
 Sec. 31 Twp. 20 S. R. 12 East West County: BARTON 80' S & 230' E OF

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 <i>(Submit Copy)</i> List All E. Logs Run: DUAL COMPENSATED POROSITY LOG, DUAL INDUCTION LOG, BOREHOLE COMPENSATED SONIC LOG, MICRORESISTIVITY LOG, & SONIC CEMENT BOND LOG	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" type="checkbox"/> Sample Name Top Datum SEE ATTACHED
--	---

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"	23#	389.53'	POZMIX	275	60/40 3%CC,2%GEL
PRODUCTION	7 7/8"	4 1/2"	10.5 #	3616'	AA-2/POZMIX	150/25	/60/40 POZ

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	3504-3510'	COMMON	75	1 sx FLUID LOSS
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD	3484-3488'	"	"	"
<input checked="" 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	3504 - 3508'	ACID 500 GAL 28% & 500 GAL 15% NE/FE	
		ACID 300 GAL 28% NE/FE	

TUBING RECORD		Size 2 3/8"	Set At	Packer At 3448'	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. 03/24/05			Producing Method <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
	27		4		

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) _____

RECEIVED
APR 06 2005
KCC WICHITA

DAILY DRILLING REPORT

ORIGINAL

OPERATOR: L.D. DRILLING, INC. LEASE: Brown #1
 80' S & 100' W N/2 SW SW
 WELLSITE GEOLOGIST: KIM SHOEMAKER Sec 31-20-12
 Barton County, Kansas
 CONTRACTOR: Petromark Drilling, LLC ELEVATION: GR: 1856'
 KB: 1862'
 SPUD: 7:30 P.M. 2/15/05 PTD: 3460'
 SURFACE: Ran 9 jts New 23# 8 5/8" Surface Csg., Tally 379.53, Set @ 389.53'
 Cement 275sx 60/40 Pozmix 3% CC 2% Gel by Acid Service Ticket #9634
 Servey 0 degrees, Plug Down 12:00 A.M. Cement 6' below Collar

2/12/05 Dig Drilling Pits
 2/15/05 MIRU
 2/16/04 390' Running 8 5/8" Casing
 2/17/05 1025' Drilling
 2/18/05 3036' Drilling
 2/21/05 3390' DST #2
 2/22/05 3512' out for DST #4 3496 - 3512'
 2/23/05 3632' RTD
 3632' LTD
 Running 4 1/2" Casing - Today
 Ran 85 jts 4 1/2" Production Casing, 10.5#
 Set @ 3628' w/ 150 sx AA-2, Plug Down 5:00 PM
 on 2/23/05 WOCT

DST #1 3220 - 3305' Lansing AF
 TIMES: 30-45-45-60
 BLOW: 1st Open: BLT 3"
 2nd Open: 3 1/2" - 1 1/2"
 RECOVERY: 180' GIP, 60' VSOCGM
 IFP: 30 - 34 ISIP: 719
 FFP: 42 - 47 FSIP: 651
 TEMP: 97

DST #2 3353 - 3390' Lansing H & I
 TIMES: 30-30-30-30
 BLOW: 1st Open: Blow died in 15 min.
 2nd Open: No Blow, Flush tool wk surge
 RECOVERY: 5' mud
 IFP: 22-24 ISIP: 24-24
 FFP: 30 FSIP: 30
 TEMP: 97

DST #3 3439 - 3496' Arbuckle
 TIMES: 45-45-45-45
 BLOW: 1st Open:
 2nd Open:
 RECOVERY: 250' GIP, 50' Clean gas oil,
 120' mud gasy oil (50%oil, 30%gas, 20%mud)
 IFP: 26-59 ISIP: 900
 FFP: 63-85 FSIP: 770
 TEMP:

RECEIVED
 APR 06 2005
 KCC WICHITA

DAILY DRILLING REPORT

OPERATOR: L.D. DRILLING, INC.

LEASE: Brown #1

80' S & 100' W N/2 SW SW

WELLSITE GEOLOGIST: KIM SHOEMAKER

Sec 31-20-12

Barton County, Kansas

CONTRACTOR: Petromark Drilling, LLC

ELEVATION: GR: 1856'

KB: 1862'

SPUD: 7:30 P.M. 2/15/05

PTD: 3460'

DST #4 3496 - 3512' Arbuckle

TIMES: 45-45-45-60

BLOW: 1st Open: Fair

2nd Open:

RECOVERY: 180' gas in pipe,

70' very slightly mud cut oil

IFP: 26-34 ISIP: 995

FFP: 34-46 FSIP: 937

TEMP:

SAMPLE TOPS:

LOG TOPS:

Anhydrite	686	+1176		+1183
Heebner	3092	-1230	3093	-1231
Toronto	3107	-1245	3110	-1248
Douglas	3124	-1262	3128	-1266
Brown Lime	3215	-1353	3217	-1355
Lansing	3231	-1369	3231	-1369
Base KC	3448	-1586	3448	-1586
Cong	3455	-1593	3456	-1594
Arbuckle	3481	-1619	3481	-1619
RTD	3632	-1770		
LTD	3632	-1770		

TREATMENT REPORT



Customer ID		Date	
Customer L.D. Drlg Inc		2-23-05	
Lease Brown	Lease No.	Well # 1	
Field Order # 10000	Station Pratt KS	Casing 4 1/2	Depth 3631
		County Brown	State KS

Type Job: **Longstring New well** Formation: _____ Legal Description: **31-205-12w**

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 4 1/2	Tubing Size	Shots/Ft 1.44	15.0	Acid 175ski AA-2 10% Salt 5# G.I.	RATE	PRESS	ISIP	
Depth 3616	Depth PBTD	From	To	Pre Pad 2 D.F. 756.B. 8 FLA-	Max 322		5 Min.	
Volume 57.4	Volume	From	To	Pad	Min		10 Min.	
Max Press 2000	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush Mud Flush	Gas Volume		Total Load	

Customer Representative: **L.D. Davis** Station Manager: **Dave Autry** Treater: **D. Scott**

Service Units	107	80	57	303	72				
---------------	------------	-----------	-----------	------------	-----------	--	--	--	--

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1300					On loc w/Trk's safety mtg G.S. Bottom ISFV Top S.J. Cent 1-3-5-7-9 Csg on Bottom Drop Balla Circ w/Rig
1623	300		5	5	H2O Spacer
1625	300		12	5	St mud Flush
1628	300		5	5	H2O Spacer
1630	310		38.4	5	Mix Cmt @ 15.0 ppg 150 ski
1640	0		10	5	Close In a Wash Pump & line
1642	100			7.6	Release Plug & St Disp w/H2O
1647	250		29	6.5	33 Bbls Disp out lift Cmt
1652	1200		54.4	0	Plug Down a psi Test Psg
1653	0				Release psi Held Good Circ Thru Job Plug R.H. w/15ski poz
					RECEIVED
					APR 06 2005
					Job Complete Thank you KCC WICHITA Scotty

ORIGINAL

TREATMENT REPORT



Customer ID		Date	
Customer <i>L.D. DRAUWNE</i>		<i>2-15-05</i>	
Lease <i>BROWN</i>		Lease No.	Well # <i>1</i>
Field Order # <i>9634</i>	Station <i>PRATT, KS</i>	Casing <i>8 7/8</i>	Depth <i>389'</i>
Type Job <i>SURFACE - NW</i>	Formation	County <i>BROWN</i>	State <i>KS</i>
		Legal Description <i>31-20-12</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME	
Casing Size	Tubing Size	Shots/Ft		Acid		RATE	PRESS
<i>8 7/8</i>							
Depth	Depth	From	To	Pre Pad	Max		5 Min.
<i>389'</i>							
Volume	Volume	From	To	Pad	Min		10 Min.
Max Press	Max Press	From	To	Frac	Avg		15 Min.
Well Connection	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative <i>ROMCH</i>	Station Manager <i>ACUM</i>	Treater <i>CONLEY</i>
Service Units	<i>120 28 81 72</i>	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1000</i>					<i>ON LOCATION 2/16/05</i>
					<i>RUN 389' 8 7/8 CSG.</i>
					<i>TRAC BOTTOM - BREAK CDL</i>
					<i>MIX CEMENT</i>
<i>1130</i>	<i>200</i>		<i>61</i>	<i>5</i>	<i>275 SL. 60/40 P22 2% GEL, 3% CC, 1/4" 1/4" C.F.</i>
					<i>STOP - RELEASE PLUG</i>
	<i>0</i>		<i>0</i>	<i>5</i>	<i>START DISP. RECEIVED</i>
<i>1200</i>	<i>200</i>		<i>23</i>	<i>5</i>	<i>PLUG DOWN KCC WICHITA</i>
					<i>CEMENT 10' BELOW GROUND LEVEL</i>
					<i>CDL. 1 SL. CEMENT TO P22</i>
<i>1230</i>					<i>JOB COMPLETE</i>
					<i>THANKS - MERV</i>