

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 675530
Purchaser: LUMEN ENERGY
Operator Contact Person: L. D. DAVIS
Phone: (620) 793-3051
Contractor: Name: VAL ENERGY, INC.
License: 5822
Wellsite Geologist: KIM SHOEMAKER/JIM MUSGROVE

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SIOW 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. _____
02/09/05 02/18/05 02/28/05
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 009-24811-00-00
County: BARTON
SW 330 SE 990 Sec. 19 Twp. 19 S. R. 14 East West
feet from (S) N (circle one) Line of Section
feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: CALCARA Well #: 1
Field Name: HEIZER SW
Producing Formation: ARBUCKLE
Elevation: Ground: 1904' Kelly Bushing: 1914'
Total Depth: 3635' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 835 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.

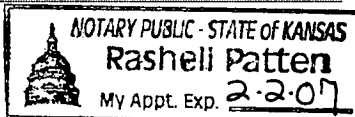
Drilling Fluid Management Plan AH 1 NCR 7-18-08
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ 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: [Signature]
Title: SECRETARY/ TREASURER Date: MARCH 31, 2005
Subscribed and sworn to before me this 1 day of April,
20 05.
Notary Public: [Signature] Rashell Patten
Date Commission Expires: 2-2-07

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



Operator Name: L. D. DRILLING, INC. Lease Name: CALCARA Well #: 1
 Sec. 19 Twp. 19 S. R. 14 East West County: BARTON

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 No
 Cores Taken Yes No
 Electric Log Run Yes No
(Submit Copy)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

List All E. Logs Run:

SEE ATTACHED

DUAL INDUCTION LOG, SONIC CEMENT BOND LOG,
 DUAL COMPENSATED POROSITY LOG,
 MICRORESISTIVITY LOG

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 NEW	12 1/4"	8 5/8"	24#	835'	A-CON	125 sx	3%CC, 1/4# Cello-Flake
PRODUCTION	7 7/8"	5 1/2"	14#	3636'	AA-2 /POZMIX	150/ 25	/60-40

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
2	3547 - 3549		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	3548'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
WAITING ON CONNECTION TO LINE	<input checked="" 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
	0	250-300 EST	0		

Disposition of Gas METHOD OF COMPLETION Production Interval

Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled
(If vented, Submit ACO-18.) Other (Specify) _____

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DAILY DRILLING REPORT

ORIGINAL

OPERATOR: L.D. DRILLING, INC. LEASE: Calcara #1
 SW SE SE Sec 19-19-14 W
 WELLSITE GEOLOGIST: KIM SHOEMAKER Barton County, KS
 (JIM MUSGROVE ON LOCATION)
 CONTRACTOR: Val Energy, Inc. ELEVATION: GR: 1904'
 KB: 1914'
 SPUD: 02/09/05 8:00 P.M. PTD: 3625'
 SURFACE: Ran 21 jts New 24# 8 5/8" Tally 833' Set @ 835' w/210 sx. A-Con 3% CC
 1/4# Celo-Flake per sk. 125 sx. 60/40 Pozmix 2% Gel 3% CC 1/4# Cel-Flake
 Plug Down 3:15 p.m. 2-10-05 Did Circulate

2/10/05 650' Drilling
 2/11/05 950' Drilling
 2/12/05 1813' Testing
 2/13/05 2200' CFS
 2/14/05 3100' Drilling
 2/15/05 3292' Drilling
 2/16/05 3390' CFS
 2/17/05 3560' CFS
 2/18/05 3635' TD to Log

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SAMPLE TOPS:

Herrington	1754	+160
Winfield	1804	+110
Towanda	1869	+45
Ft. Riley	1899	+15
Council Grove	1981	-67
Neva	2253	-339
Red Eagle	2328	-414
Tarkio Lime	2604	-690
Elmont	2663	-749
Howard	2737	-823
Topeka	2801	-887
Brown Lime	3216	-1302
Lansing	3228	-1314

DST #1 1718 - 1813'
 TIMES: 30-30-45-60
 BLOW: 1st Open:
 2nd Open:
 RECOVERY: 70' Mud
 IFP: 32 - 39 ISIP: 283
 FFP: 42 - 56 FSIP: 309
 TEMP:

DST #2 3231 - 3250'
 TIMES: 30-30-30-30
 BLOW: 1st Open: Weak
 2nd Open: no blow
 RECOVERY: 10' Mud
 IFP: 29-30 ISIP: 116
 FFP: 32-33 FSIP: 78
 TEMP:

DST #3 3250 - 3291'
 TIMES: 30-45-45-60
 BLOW: 1st Open: Fair
 2nd Open: Weak
 RECOVERY: 70'gip, 50' very slight oil &
 gas cut mud (1% oil, 5% gas, 94% mud)
 IFP: 33-33 ISIP: 199
 FFP: 29-35 FSIP: 146
 TEMP:

DAILY DRILLING REPORT

ORIGINAL

OPERATOR: L.D. DRILLING, INC.

LEASE: Calcara #1

SW SE SE Sec 19-19-14 W

WELLSITE GEOLOGIST: KIM SHOEMAKER

Barton County, KS

CONTRACTOR: Val Energy, Inc.

ELEVATION: GR: 1904'

KB: 1914'

SPUD: 02/09/05 8:00 P.M.

PTD: 3625'

SAMPLE TOPS: (continued)

Arb (Reworked Top)	3546	-1632
Arb (Solid top)	3550	-1636

LOG TOPS:

DST #4 3292 - 3310' LKC G Zone

TIMES: 30-30-30-45

BLOW: 1st Open: Strong - BOB 10 Min

2nd Open: Strong - Slow build to 10"

RECOVERY: 700' Water - Strong Sulfur Odor

IFP: 40 - 190 ISIP: 1033

FFP: 195 - 315 FSIP: 1036

DST #5 3350 - 3420' LKC H & L Zone

TIMES: 30-30-45-60

BLOW: 1st Open: Strong - BOB 10Min

2nd Open: Strong - BOB 15 Min

RECOVERY: 800' GIP; 120'HOGCM

(30%oil, 25%gas, 45%mud); 190'O&GCWM

(10%oil, 20%gas, 15%water, 55%mud)

190' SLOGGW (3%oil, 10%gas, 87%water)

250' GW (10%gas, 90%water) 54,000 ppm

750' Total Fluid ROC

IFP: 53 - 196 ISIP: 985

FFP: 213 - 338 FSIP: 977

DST #6 3450 - 3560'

TIMES: 30-45-45-60

BLOW: 1st Open: Strong - BOB 1 Min, GTS 4 m

2nd Open: Strong - GTS Throughout

RECOVERY: 300' SLOCMW (5%oil,

30% mud, 65% Sulfur water

IFP: 267 - 277 ISIP: 1115

FFP: 284 - 251 FSIP: 1063

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LOG-TECH, INC.
1011 240th Ave.
HAYS, KANSAS 67601
(785) 625-3858

INVOICE ORIGINAL

Date 2-28-05

CHARGE TO: L.D. Drilling, Inc.
 ADDRESS _____
 R/A SOURCE NO. _____ CUSTOMER ORDER NO. Varkel (NW)
 LEASE AND WELL NO. [REDACTED] FIELD Heizer SW
 NEAREST TOWN Heizer COUNTY Barter STATE KS
 SPOT LOCATION SW-SE-SE SEC. 19 TWP. 19S RANGE 14W
 ZERO 10' AGL CASING SIZE 5.5" WEIGHT _____
 CUSTOMER'S T.D. 3611 LOG TECH _____ FLUID LEVEL _____
 ENGINEER J. Schneider OPERATOR M. Webb

PERFORATING				
Description	No. Shots	From	Depth To	Amount
<u>[REDACTED] / 3 3/8" HEC</u>	<u>8</u>	<u>[REDACTED]</u>	<u>[REDACTED]</u>	<u>1400.00</u>
<u>3544.5</u>				
<u>2.5</u>				
<u>3547.0</u>				

DEPTH AND OPERATIONS CHARGES					
Description	From	Depth To	Total No. Ft.	Price Per Ft.	Amount
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MISCELLANEOUS		
Description	Quantity	Amount
Service Charge		<u>450.00</u>
T.J. <u>8:00 am</u>		
A.O.L. <u>7:40</u>		
S.J. <u>8:30</u>		
F.J. <u>8:45</u>	T.W.T.	

PRICES SUBJECT TO CORRECTION BY BILLING DEPARTMENT

RECEIVED THE ABOVE SERVICES ACCORDING TO THE TERMS AND CONDITIONS SPECIFIED ON THE REVERSE SIDE TO WHICH WE HEREBY AGREE.

L.D. Davis

Customer Signature

Date

Sub Total	<u>1850.00</u>
Tax	
IF PAID WITHIN 30 DAYS PAY DISCOUNT AMOUNT	<u>1285.00</u>

ORIGINAL

TREATMENT REPORT



Customer ID		Date	
Customer: C.D. DREWING		2-10-05	
Lease: CALCARA		Lease No.	Well # 1
Field Order # 9599	Station: PRATA, KS	Casing: 8 5/8	Depth: 844'
Type Job: SURFACE - NW	Formation: 835	County: BARTON	State: KS
		Legal Description: 19-19-14	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size: 8 5/8	Tubing Size	Shots/Ft		Acid		RATE	PRESS	ISIP
Depth: 844'	Depth	From	To	Pre Pad	Max			5 Min.
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: ROCK	Station Manager: ADAMS	Treater: GOLDIEY
Service Units: 120	28	46
76		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1000					ON LOCATION
1300					RUN 8 5/8 CSB.
					TRAG BOTTOM - BREAK CORE
					MIX CEMENT
1430	200		95	6	210 SK. A CON 3% CC, 1/4" C.F.
	200		27	6	125 SK. 60/40 P2 3% CC, 1/4" C.F.
			122		
					STOP - RELEASE PUC RECEIVED
	0		0	6	START DISP. APR 04 2005
1515	200		52	6	PUMP DOWN KCC WICHITA
					CORE 25 SK. CEMENT TO PST
1530					JOB COMPLETE THANKS - KEVIN

As consideration, the Customer agrees:

a) To pay ACID SERVICES, LLC in accord with the rates and terms stated in ACID SERVICES, LLC's current price list. Invoices are payable NET 30 after date of invoice. Upon Customers' default payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection cost and attorney fees in the amount of the unpaid account.

b) To defend, indemnify, release and hold harmless ACID SERVICES, LLC, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorney's fees, and costs of defense to the extent permitted by law for:

1. Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
2. Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
3. Personal injury of death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material. The amount of this invoice is due and payable at ACID SERVICES, LLC, Dept. No. 1131, Tulsa, Oklahoma 74182. All terms of the Service Order with customer are incorporated herein and made a part hereof by reference.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by ACID SERVICES, LLC's negligence, strict liability, or operated, or furnished by ACID SERVICES, LLC or any defect in the data, products, supplies, materials, or equipment of ACID SERVICES, LLC whether the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of ACID SERVICES, LLC. The term "ACID SERVICES, LLC" as used in said Sections b) and c) shall mean ACID SERVICES, LLC, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.

c) That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, ACID SERVICES, LLC is unable to guarantee the effectiveness of the products, supplies, or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by ACID SERVICES, LLC. ACID SERVICES, LLC personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that ACID SERVICES, LLC shall not be liable for and Customer shall indemnify ACID SERVICES, LLC against any damages from the use of such information.

d) That ACID SERVICES, LLC warrants only title to the products, supplies, and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Acid Services LLC's liability and Customer's exclusive remedy in and cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to ACID SERVICES, LLC or, at ACID SERVICES, LLC's option, to the allowance to the Customer of credit for the cost of such items. In no event shall ACID SERVICES, LLC be liable for special, incidental, indirect, punitive or consequential damages.

e) To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law. We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to service furnished under this contract.

f) That this contract shall be governed by the law of the state where services are performed or materials are furnished.

g) That ACID SERVICES, LLC shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized manager of ACID SERVICES, LLC.

ORIGINAL

TREATMENT REPORT



Customer ID	Date
Customer <i>L.D. Dalg</i>	<i>2-18-05</i>
Lease <i>Calnara</i>	Lease No. <i>1</i> Well # <i>1</i>

Field Order # <i>1998</i>	Station <i>Pratt 1LS</i>	Casing <i>5/2</i>	Depth <i>3635</i>	County <i>Barton</i>	State <i>KS</i>
Type Job <i>Long string New well</i>			Formation	Legal Description <i>19-195-14w</i>	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size <i>4 1/2</i>	Shots/Ft <i>1.44</i>	<i>15.0</i>	Acid <i>150 sk. AA-2</i>		RATE	PRESS <i>1500</i>	ISIP
Depth <i>3635</i>	Depth <i>17</i>	From	To	Pre Pad <i>10% Salt 5th G1</i>	Max			5 Min.
Volume <i>88.5</i>	Volume	From	To	Pad <i>12 D.F. 8FLA-322</i>	Min			10 Min.
Max Press <i>1500</i>	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>L.D. Davis</i>	Station Manager <i>Dave Austry</i>	Treater <i>D. Scott</i>
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Service Units	<i>107</i>	<i>28</i>	<i>342</i>	<i>501</i>				
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Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1400</i>					<i>On loc w/Trk's safety intg G.S. Bottom JSFU Top S.J. Pmt 1-3-5-7 Psg on Bottom Drop Ball & Circ w/Rig</i>
<i>1712</i>	<i>400</i>		<i>5</i>	<i>5</i>	<i>H2O spacer</i>
<i>1713</i>	<i>400</i>		<i>12</i>	<i>5</i>	<i>mud flush</i>
<i>1715</i>	<i>400</i>		<i>5</i>	<i>5</i>	<i>H2O spacer</i>
<i>1719</i>	<i>400</i>		<i>38</i>	<i>5</i>	<i>mix pmt @ 15.0 oppg 150 ski</i>
<i>1728</i>	<i>8</i>		<i>10</i>	<i>4</i>	<i>Close In Wash Pump & line</i>
<i>1730</i>	<i>100</i>			<i>6.7</i>	<i>Release Plug & St Disp w/H2O</i>
<i>1739</i>	<i>300</i>		<i>60</i>	<i>6.7</i>	<i>Lifting pmt</i>
<i>1745</i>	<i>1000</i>		<i>88.5</i>	<i>8</i>	<i>Plug Down & psi Test Psg</i>
<i>1746</i>	<i>8</i>				<i>Release psi float held Good Circ Then Job Plug Ball & M.H. w/25ski pmt</i>

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Job Complete
Thank you
Scotty