

ORIGINAL

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: 7 SW 26 AVE
City/State/Zip: GREAT BEND, KS 67530
Purchaser: NCRA
Operator Contact Person: L. D. DAVIS
Phone: (620) 793-3051
Contractor: Name: PETROMARK DRILLING, LLC
License: 33323
Wellsite Geologist: ROGER FISHER
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>7/23/08</u>	<u>7/29/08</u>	<u>8/07/08</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-25236-00-00
County: BARTON
NW SE SE SE Sec. 36 Twp. 20 S. R. 14 East West
990 feet from S / N (circle one) Line of Section
990 feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: LORETTA Well #: 3
Field Name: HISS SOUTHWEST
Producing Formation: ARBUCKLE
Elevation: Ground: 1911' Kelly Bushing: 1916'
Total Depth: 3700' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 389 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 cm.

Drilling Fluid Management Plan AH I NR
(Data must be collected from the Reserve Pit) 11-18-08
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: CLERK Date: OCTOBER 03, 2008
Subscribed and sworn to before me this 03 day of October
20 08
Notary Public: [Signature] Rashell Patten
Date Commission Expires: 2-02-11

KCC Office Use ONLY
 Letter of Confidentiality Received
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
KANSAS CORPORATION COMMISSION
OCT 06 2008
CONSERVATION DIVISION
WICHITA, KS
NOTARY PUBLIC - STATE OF KANSAS
Rashell Patten
My Appt. Exp. 2-2-11

Operator Name: L. D. DRILLING, INC. Lease Name: LORETTA Well #: 3
 Sec. 36 Twp. 20 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

**SONIC CEMENT BOND, DUAL COMPENSATED
 POROSITY, MICRORESISTIVITY, & DUAL
 INDUCTION LOG'S**

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"	28#	389'	60/40 POZMIX	350	3% CC
					COMMON	50	
Production	7 7/8"	5 1/2"	15.5#	3694'	60/40 POZMIX	165	18% SALT

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)	
		Amount	Depth
2	3572 - 3580'	500 GAL 7.5% HCL ACID	

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TUBING RECORD		Size	Set At	Packer At	Liner Run	CONSERVATION DIVISION WICHITA, KS	
		2 7/8"	3690'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Date of First, Resumerd Production, SWD or Enhr. August 8, 2008			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 Bbbs.	Gas Mcf	Water Bbbs.	Gas-Oil Ratio	Gravity		
	10		0				

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

OPERATOR: **L.D. DRILLING, INC.**

LEASE: **LORETTA #3**

NW SE SE Sec 36-20-14

WELLSITE GEOLOGIST: Roger Fisher

Barton Co., KS

CONTRACTOR: Petromark Drilling

ELEVATION: GR: 1911'
KB: 1916'

SPUD: 7/23/08 @ 6:45 P.M.

PTD: 3550

SURFACE: Ran 9jts 28# 8 5/8" Surface Casing, Set @ 389' w/ 350 sx 60/40 Pozmix
2% Gel, 3% CC, 1/4# Cell Flake, Did Circulate, Plug Down @ 2:30 A.M., fell back 30 to 40' on the way
out to 1" w/ 50 sx Common

7/22/08 Dug pits
7/23/08 Move in, Rig up to Spud
7/24/08 390' Waiting on Cement - Drill Plug 2-4 P.M.
7/25/08 1970' Drilling - Drilled plug @ 3:00 P.M. 7/24
7/26/08 2975' Drilling
7/27/08 3550' Ready to trip out for DST #2
7/28/08 3576' CFS
7/29/08 3700' RTD - Pipe on location

Ran 88 jts, 5 1/2" Production Casing, Set @ 3699'
1' off Bottom w/ 150 sx 60/40 Pozmix, 2% Gel,
1/4# Friction Reducer, 18% Salt, Plug Down @ 7:45P.M.
7/28/08, By Basic Energy, Ticket #18288

DST #1 3528 - 3550' Conglomerate
TIMES: 30-30
BLOW: 1st Open: weak blow died 2 min
2nd Open: not run
RECOVERY: 10' drilling Mud w/ sl oil spk
IFP: 17-18 ISIP: 27
FFP: ----- FSIP: -----
TEMP: 102 degrees

DST #2 3526 - 3562' Arbuckle
TIMES: 30-30-30-30
BLOW: 1st Open: weak died in 5 min
2nd Open: no blow
RECOVERY: 10' osm
IFP: 19-20 ISIP: 35
FFP: 21-22 FSIP: 28
TEMP: 101 degrees

DST #3 3524 - 3576' Simpson Sand
TIMES: 30-30-45-60
BLOW: 1st Open: weak(steady 1/4" thru out)
2nd Open: fair(built thru out to 4"at end)
RECOVERY: 120' GIP; 130'g&mco
(10%g,40%m,50%o)
IFP: 22-43 ISIP: 980
FFP: 51-69 FSIP: 1024
TEMP: 102 degrees

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CONSERVATION DIVISION
WICHITA, KS

DAILY DRILLING REPORT

Page 2

OPERATOR: L.D. DRILLING, INC. LEASE: LORETTA #3
NW SE SE Sec 36-20-14
WELLSITE GEOLOGIST: Roger Fisher Barton Co., KS
CONTRACTOR: Petromark Drilling ELEVATION: GR: 1911'
KB: 1916'
SPUD: 7/23/08 @ 6:45 P.M. PTD: 3550

SAMPLE TOPS:

LOG TOPS:

Anhy	Top	801	(+1113)	794	-1106
Anhy	Base	811	(+1105)		
Heebner		3191	(-1277)	3189	(-1275)
Toronto		3211	(-1295)		
Douglas		3229	(-1315)	3226	(-1312)
Brown Lime		3304	(-1390)	3302	(-1390)
Lansing		3318	(-1404)	3318	(-1404)
Base Kansas City		3535	(-1621)	3532	(-1618)
Cong		3535	(-1621)		
Simpson Sand		3569	(-1655)	3571	(-1657)
Arbuckle		3600	(-1686)	3597	(-1683)
RTD		3700	(-1786)		(-)

BASIC

energy services, L.P.

FIELD ORDER 18288-

Subject to Correction

Date	7-29-08	Customer ID		Lease	Loretha	Well #	3	Legal	36-20-14
C H A R G E	L.O. Drilling			County	Barton	State	Ks	Station	Pratt Ks
	Depth	3694'		Formation		Shoe Joint	16.60'		
	Casing	5/2		Casing Depth	3694'	TD	3700	Job Type	5/2 L.S. CNW
				Customer Representative	Dave Roach	Treater	Allen F. Wertl		

AFE Number		PO Number		Materials Received by	X Dave Roach -	DLS
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Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	CP103	150 SK	60/40 P02	/	\$1650.00
P	CP103	15 SK	60/40 P07	/	\$165.00
P	CC111	1329 lb	SALT (Fine)	/	\$664.50
P	CC112	65 lb	cement Friction Reducer	/	\$390.00
P	CC201	750 lb	Gilsonite	/	\$502.50
P	C706	2 gal	CC-1 KCL	/	\$88.00
P	CC151	500 gal	mud Flush	/	\$430.00
P	CF103	1 EA	Top Rubber cement Plug 5/2"	/	\$105.00
P	CF251	1 EA	Guide Shoe "5/2" Blue Regular	/	\$250.00
P	CF145	1 EA	Flapper Type Insert Float Valve 5/2"	/	\$225.00
P	CF165	5 EA	Turbolizer 5/2" (Blue)	/	\$550.00
P	E101	90 mi	Heavy Equip. mileage		\$630.00
P	E113	320 TM	Bulk Del. Chg.		\$512.00
P	E100	45 mi	Pickup mileage		\$191.25
P	CE240	165 SK	Blending & mixing chg.		\$231.00
P	S003	1 EA	Service Supervisor first 8 hrs on loc		\$125.00
P	CE204	1.4 hrs	Depth Charge 3001-4000		\$2160.00
P	CE504	1-50b	Plug container chg.		\$250.00

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Discounted Price
Plus Taxes

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WICHITA, KS

\$7,327.40

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TREATMENT REPORT

Customer LD Drilling Inc	Lease No.	Date 7-29-08
Lease Core HA	Well # 3	
Field Order # 18288	Station Pratt 10s	Casing 5/2
Type Job 5/2 Long strings	Depth 3694	County Barton
	Formation Cmw	State KS
		Legal Description 36-20-14

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5/2	Tubing Size	Shots/Ft	150 SKs	Acid 20% gel 5% Friction Reducer, 18% Salt 5# Gilsomite	RATE	PRESS	ISIP	
Depth 3694	Depth	From	To	Pre Pad mixed @ 14.40 #/gal	Max		5 Min.	
Volume 87.4	Volume	From	To	Pad	Min		10 Min.	
Max Press	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 3688	Packer Depth	From	To	Flush fresh water	Gas Volume		Total Load	

Customer Representative	Station Manager Dave Scott	Treater Allen F. Worth			
Service Units	28443	19889	19842	19831	19862
Driver Names	A werth	Keruan	Lesky	Billy	Shields

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Notes
1600					superior casing, Service Log PetroMark #2 on loc. Discuss safety setup Plan Job Rig getting ready to Run casing.
1730					5/2 15.5 #/ft Shoe It 16.60
1840					Start casing - cent - 1.3-5-7-9
1845					Pipe on Bottom 3900 Tagged
					circ. w/ Rig.
1915	200 ^H		20	5	Hookup to cat w/ Pump 20 Bbls CC-1 H ₂ O
	200 ^H		12	5	Pump 12 Bbls mixed @ 10.5 #
					Pump 3 Bbls H ₂ O
1925	200 ^H			5 1/2	Start mit 150 SKs 60/40 Por @ 14.8 #
	100 ^H		37 1/2		FIN mit cement - "good circ" wash out Pump + Line
					Release Top Plug
1932				7	Start Disp.
	300 ^H		62	6	Lift PST w/ 62 Bbls Pumped
				4	slow Rate to 45 BPM
	1500 ^H		87 3/4		Plug down
					Release to TRK. Float OK
					Plug Rat Hole w/ 15 SKs 60/40 Por
					washup + Rack up Equip.
2030					Job complete.

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FIELD ORDER 17944

Subject to Correction

Date 7-24-08	Customer ID	Lease LOCLITA	Well # 3	Legal 36-20-11
C H A R G E LD DRILLING		County BARTON	State Ks.	Station PRATT
		Depth	Formation	Shoe Joint 15'
		Casing 8 5/8	Casing Depth 367	TD 390
		Customer Representative BUDDE	Treater BOBBY DRAKE	

A/E Number	PO Number	Materials Received by X Budde Res	DLS
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Station Code	Product Code	QUANTITY	MATERIALS, EQUIPMENT, and SERVICES USED	UNIT PRICE	AMOUNT
P	CP103	350sk.	60/40 P02	—	3850 ⁰⁰
P	CC102	88lb.	CE710-FLAKE (POLYFLAKE-C)	—	325 ⁰⁰
P	CC109	903lb.	CALCIUM CHLORIDE	—	948 ¹⁵
P	CF153	1pc.	WOODEN CEMENT PLUG, 8 5/8"	—	160 ⁰⁰
P	E701	90mi.	HEAVY EQUIPMENT MILEAGE		630 ⁰⁰
P	E713	677mi.	BULK DELIVERY		1085 ²⁰
P	E700	45mi.	PICKUP MILEAGE		191 ²⁵
P	CE240	350sk.	BLENDED & MIXING SERVICE CHARGE		490 ⁰⁰
P	S003	1pc.	SERVICE SUPERVISOR		175 ⁰⁰
P	CE200	1pc.	DEPTH CHARGE, D-500'		1000 ⁰⁰
P	CE504	1pc.	PLUG CONTAINER		250 ⁰⁰
Top off Job					
P	CP100	50ski	Common Cmt	—	750. —
P	E113	106tm	Bulk Delv Charge		630. —
P	E101	90mi.	Trk m. 1way		169.60
P	E100	45mi.	Pickup m. 1way		191.25
P	CE240	50sk	Cmt Serv Charge		1448.68
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DISCOUNTED PRICE-					\$
					8731.24

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TREATMENT REPORT

Customer LD DRILLING	Lease No.	Date 7-24-08
Lease LORITA	Well # 3	
Field Order # 17944	Station PRAT	Casing 8 5/8
		Depth 389
Type Job CNW-S.P.	Formation	County BARTON
		State KS
		Legal Description 36-20-A

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 8 5/8	Tubing Size	Shots/Ft	CMT.	Acid 350 SK. 60/40 POC	RATE	PRESS	ISIP	
Depth 389	Depth	From	To	Pre Pad 1.25 FT³	Max		5 Min.	
Volume 24.5	Volume	From	To	Pad	Min		10 Min.	
Max Press 300	Max Press	From	To	Frac	Avg		15 Min.	
Well Connection P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth 375	Packer Depth	From	To	Flush 23.5	Gas Volume		Total Load	

Customer Representative	Station Manager STOITY	Treater BOBBY
Service Units 19866 19840 19826 19860		
Driver Names DRAKE SHANLIND BOLES		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
2400					ON LOCATION - SAFETY MEETING
2440					Run 9 jts. 28" 8 5/8" Csg.
0140					Csg. on BOTTOM
0145					HOOK UP TO Csg. - BRECK CIRC. w/RIG
0154	150		10	5.0	H2O AHEAD
0157	250		94	6.5	MIX CMT. @ 14.7 #/gal
0216					RELEASE PLUG
0218	200			5.0	START DISP.
0235	200		23.5		PLUG DOWN
					CIRCULATION THRU JOB
					CIRCULATED CMT. TO PIT
					JOB COMPLETE
					THANKS, BOBBY

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CONSERVATION DIVISION
WICHITA, KS

Customer <i>V.D. DRILLING</i>	Lease No.	Date <i>7-24-08</i>
Lease <i>LORITA</i>	Well # <i>3</i>	
Field Order # <i>17941</i>	Station <i>PRATT</i>	Casing <i>4 1/4</i>
Type Job <i>NIW - TOP OFF</i>	Formation	Depth <i>36-20-14</i>
		County <i>BARTON</i>
		State <i>Ks</i>
		Legal Description

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid <i>50 SK. Common</i>		RATE	PRESS	ISIP
Depth	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	Station Manager <i>STUTY</i>	Treater <i>BOBBY</i>
-------------------------	---------------------------------	-------------------------

Service Units <i>19866</i>	<i>14840</i>	<i>19826</i>	<i>19810</i>						
Driver Names <i>DEANE</i>	<i>SHAWNEE</i>	<i>BOB'S</i>							

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0750</i>					<i>ON LOCATION - SAFETY MEETING</i>
<i>0815</i>				<i>2.0</i>	<i>Mix Cont. & Pump DOWN BACK SIDE</i>
<i>0920</i>			<i>10</i>		<i>Color Full of CMT.</i>
<i>0950</i>					<i>LET STAND FOR 30 MIN. AND CHECK</i>
					<i>CHECK CELLAR - STANDING FULL</i>
					<i>JOB COMPLETE</i>
					<i>THANKS, BOBBY</i>

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