

COPY

Form ACO-1
September 1999
Form Must Be TypedKANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISIONDUAL DC-2014 (cancelled)
COMMINGLE CD-2015

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

AMENDED

CONFIDENTIAL

Operator: License # 5214
Name: LARIO OIL & GAS COMPANY
Address: 301 S. MARKET
City/State/Zip: WICHITA, KS 67202
Purchaser: _____
Operator Contact Person: DAVID MUNRO
Phone: (316) 265-5611
Contractor: Name: DUKE DRILLING CO., INC
License: 5929
Wellsite Geologist: TIM LAUER

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. _____10-14-00 10-30-00 12-8-00Spud Date or
Recompletion Date Date Reached TD Completion Date or
Recompletion DateAPI No. 15 - 033-21143-0000County: ComancheE 2 W 2 W 2 Sec. 11 Twp. 33 S. R. 19 ☐ East ☒ West2530 feet from ☒ N (circle one) Line of Section980 feet from ☒ W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: DEEWALL Well #: 1Field Name: WILDCATProducing Formation: VIOLA & MISSISSIPPIElevation: Ground: 2037' Kelly Bushing: 2046'Total Depth: 6372' Plug Back Total Depth: 6316'Amount of Surface Pipe Set and Cemented at 692' FeetMultiple Stage Cementing Collar Used? ☒ Yes ☐ NoIf Alternate II completion, cement circulated from 5380' FeetIf Alternate II completion, cement circulated from 5412'feet depth to 4700' w/ 160 sx cmt.Drilling Fluid Management Plan Net 6/4/01 AB
(Data must be collected from the Reserve Pit)Chloride content 2000 ppm Fluid volume 600 bblsDewatering method used REMOVED EXCESS FREE WATER FROMPIT THEN FILLED IN PIT.

Location of fluid disposal if hauled offsite: _____

Operator Name: KBW OIL & GAS CO.Lease Name: HARMON License No.: 5993County: COMANCHE Sec. 11 Twp. 33 S. R. 20 ☐ East ☒ WestDocket No.: CD-22-304

RELEASED

DEC 15 2001

FROM CONFIDENTIAL

CONSERVATION DIVISION

MAY 1 2001

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: David MunroTitle: OPERATIONS ENGINEER Date: 4-30-01Subscribed and sworn to before me this 30th day of APRIL2001 KATHY L. FORDNotary Public: My Appt. Expires 10-22-02 Kathy L. FordDate Commission Expires: 10-22-02

KCC Office Use ONLY

☒ Letter of Confidentiality Attached
If Denied, Yes ☐ Date: _____
☒ Wireline Log Received
☒ Geologist Report Received
☐ UIC Distribution

TOG

Y900

Side Two

9606

Operator Name: **LARIO OIL & GAS COMPANY** Lease Name: **DEEWALL** Well #: **1**
 Sec. **11** Twp. **33** S. R. **19** ☐ East ☒ West County: **COMANCHE**

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)

List All E. Logs Run:

**DUAL INDUCTION, NEUTRON-DENSITY, SONIC,
 MICROLOG & CEMENT BOND LOG**

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
HEEBNER	4344'	-2298'
BROWN LINE	4528'	-2482'
LANSING "B"	4584'	-2538'
DRUM	4765'	-2719'
SWOPE	4877'	-2831'
MISSISSIPPI	5274'	-3228'
VIOLA	5988'	-3942'
BRUSKLE	6344'	-4298'
LTD	6373'	-4327'

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.	Depth	Type of Cement	# Sacs Used	Type and Percent Additives
CONDUCTOR	30"	20"	43.5#	60'	Class A	140	
SURFACE	12 1/4"	8 5/8"	23#	692'	65/35 Class A	225	3% cc
PRODUCTION	7 7/8"	5 1/2"	15.5#	6360'	ASC	90	5#/sx gil
					ASC	166	5#/sx gil

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
2	6004'-6008'	250 gal 20% MCA w/NEFE	6004'
2	5356'-62'	500 gal 20% MCA w/NEFE	5356'
2	5319'-24', 5292'-5300', 5278'-84'	2000 gal 20% MCA w/NEFE 6000 gal 20% NEFE w/Nitrogen	5278'

TUBING RECORD		Size 2 3/8"	Set At 6312'	Packer At NONE	Liner Run ☐ Yes ☒ No
Date of First, Resumerd Production, SWD or Enhr. 1-11-01		Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil 0 Bbls.	Gas 346 Mcf	Water 8 Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas **METHOD OF COMPLETION**

Production Interval

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

☐ Open Hole ☒ Perf. ☒ Dually Comp. ☒ Commingled
☐ Other (Specify)

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ORIGINAL

DEEWALL # 1 - DST REPORT**DST #1 FORMATION: Altamont Interval: 5082'-5105'**

IO 30 min Strong blow off btm
ISI 60 min
FO 60 min Strong blow off btm
FSI 90 min

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GTS in 22 min. Flowed 7.5 MCFPD on first open. Flowed 11.6 MCFPD on second open on a 1/4" choke.

Drill Pipe Recovery: 35' drilling mud. Mud recovered on DST had 7000 PPM CL. Mud System CL = 7000 PPM.

BHT 119 deg F.

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IH 2531#
FH 2485#
IF 20-22#
ISI 1831#
FF 21-26#
FSI 1800#

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DST #2 FORMATION: Ft. Scott Interval: 5168' - 5190'

IO 30 min GTS in 28 min.
ISI 60 min
FO 60 min Flowed 10.6 MCFPD in 10 min, 7.3 MCFPD in 20 min, 6 MCFPD in 30 min, 5.3 MCFPD in 40 min, 5 MCFPD in 60 min on a 1/4" choke.

FSI 140 min

Drill Pipe Recovery: 30' mud.
DST CL = 5000 PPM. Mud system CL = 5000 PPM.

BHT 120 deg F.

IH 2537#
FH 2516#
IF 20-18#
ISI 1695#
FF 18-16#
FSI 1692#

RECEIVED
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DEC 18 2000

CONSERVATION DIVISION
WICHITA, KS

CONFIDENTIAL

Deerwall #1

ORIGINAL

DST #3 Formation: Mississippi Interval: 5276'-5350'

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IO 30 min Strong blow in 10 sec. Flow 60 MCFPD in
13 min. Flowed 63 MCFPD on 3/8" choke after
30 min,

ISI 60 min

FO 90 min Initial flow 166 MCFPD on 1/2" choke. Flow
Declined to 107 MCFPD after 50 min. Stabilized
@ 107 MCFPD for the last 40 min of the flow
test.

FSI 120 min

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Drill Pipe Recovery: 95' GCM (12% gas, 8% wtr & 80% mud) DST
CL = 9000 PPM, mud system CL = 9000 PPM.

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IH 2622#
FH 2596#
IF 65#-51#
ISI 1864#
FF 77#-52#
FSI 1831#

DST #4 Formation: Viola Interval: 6000'-6015'

IO 30 min Began flow @ 285 MCFPD on a 3/4"
choke. Ended flow period @ 326
MCFPD.

ISI 60 min

FO 90 min Began flow @ 299 MCFPD on 3/4"
choke. Ended flow period @ 358
MCFPD.

FSI 120 min

Drill pipe recovery: 5' mud. DST mud CL = 7000 PPM. Mud
system CL = 7000 PPM.

BHT 124 deg. F.

IH 3020#
FH 2988#
IF 55#-59#
ISI 2225#
FF 51#-68#
FSI 2208#