



KANSAS CORPORATION COMMISSION 1093796
OIL & GAS CONSERVATION DIVISION

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 34551
Name: Thunderbolt Construction Corp
Address 1: 201 S. 11th St.
Address 2:
City: LOUISBURG State: KS Zip: 66053 +
Contact Person: Thor McKieaman
Phone: (913) 709-7090
CONTRACTOR: License # 34551
Name: Thunderbolt Construction Corp
Wellsite Geologist: NA

Purchaser:
Designate Type of Completion:
 New Well Re-Entry Workover
 Oil WSW SWD SIOW
 Gas D&A ENHR SIGW
 OG GSW Temp. Abd.
 CM (Coal Bed Methane)
 Cathodic Other (Core. Expl., 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 Conv. to SWD
 Conv. to GSW
 Plug Back: Plug Back Total Depth
 Commingled Permit #:
 Dual Completion Permit #:
 SWD Permit #:
 ENHR Permit #:
 GSW Permit #:
7/19/2012 7/20/2012 7/20/2012
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-107-24564-00-00
Spot Description:
SW SE NE SW Sec. 35 Twp. 19 S. R. 24 East West
1623 Feet from North / South Line of Section
3156 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Linn
Lease Name: QUERRY Well #: W-2
Field Name: LaCygne-Cadmus
Producing Formation: Squirrel
Elevation: Ground: 809 Kelly Bushing: 0
Total Depth: 224 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 20 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
(Data must be collected from the Reserve Pit)
Chloride content: 1500 ppm Fluid volume: 80 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. East West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

Letter of Confidentiality Received
Date:
 Confidential Release Date:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NAOMI JAMES Date: 10/08/2012



1093796

Operator Name: Thunderbolt Construction Corp Lease Name: QUERRY Well #: W-2
 Sec. 35 Twp. 19 S. R. 24 East West County: Linn

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 complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	GammaRay		
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				
GammaRayNeutron				

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	9	7	10	20	Portland	3	50/50 POZ
Completion	5.6250	2.8750	8	208	Portland	36	50/50 POZ

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	182.0-189.0	2" DML RTG	7

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input 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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify)	PRODUCTION INTERVAL:
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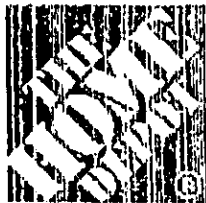
DRILL LOG

Operator License# _____ API 15-107-24564-00-00
 Operator _____ Lease Name Query
 Address _____ Well # W-2
 Contractor JTC Oil, Inc. Spud Date 7/19/12 Cement _____
 Contractor License 32834 Location _____ of _____
 T.D. 258 T.D. of Pipe 224 _____ feet from _____
 Surf. Pipe Size 6.5 Depth 20ft _____ feet from _____
 Kind of Well _____ County Linn _____

Thickness	Strata	From	To	Thickness	Strata	From	To
18	soil	0	18	6	black shale	102	108
23	clay/soil	18	31	5	lime	108	113
14	shale	31	45	4	shale	113	117
5	lime	45	50	26	lime	117	143
4	black shale	50	54	3	black shale	143	146
12	lime	54	66	38	shale	146	184
4	coal/black shale	66	70	2	little sand	184	186
3	shale	70	73	2	sand	186	188 good
11	lime	73	84	2	sand	188	190 v good
2	shale	84	86	2	sand	190	192 good
1	lime	86	87	2	sand	192	194 good

Querry W2

<u>7</u>	<u>shale</u>	<u>87</u>	<u>94</u>	<u>2</u>	<u>sand</u>	<u>194</u>	<u>196</u>	<u>little</u>
<u>8</u>	<u>lime</u>	<u>94</u>	<u>102</u>	<u>2</u>	<u>sand</u>	<u>196</u>	<u>198</u>	<u>end</u>
<u>93</u>	<u>shale</u>	<u>198</u>	<u>291</u>					
<u>4</u>	<u>lime</u>	<u>291</u>	<u>225</u>					
<u>13</u>	<u>shale</u>	<u>225</u>	<u>238</u>					
<u>2</u>	<u>lime</u>	<u>238</u>	<u>240</u>					
<u>18</u>	<u>shale</u>	<u>240</u>	<u>258</u>					



More saving.
More doing.™

8301 W. 195TH STREET
OVERLAND PARK, KS 66223 (913)8519961

2209 00004 28649 07/19/12 07:12 PM
CASHIER MARY - MEO12N

327212 . SINGLE ASHLAND <A>
 ASHGROVE 92.6LB TYPE T-II PORT CMNT
 5008.57 428.50
 MAX REFUND VALUE \$385.65/50
 012871623633 1X3/4 PVC EL <A>
 1"X3/4" PVC EL 900 SXS
 291.26 2.52
 MAX REFUND VALUE \$2.28/2
 012871626053 1" M ADAPTER <A>
 1" PVC MALE ADAPTER SXMT
 290.66 1.32
 MAX REFUND VALUE \$1.18/2
 -----10% off Military Discount-----
 432.34 10% off Military Discount -43.23
 MUST RETURN A.I. ITEMS FOR A FULL REFUND

	SUBTOTAL	389.11
	SALES TAX	33.66
	TOTAL	\$422.77
XXXXXXXXXXXX44389	DEBIT	422.77
AUTH CODE 130740		



2209 04 28649 07/19/2012 4504

RETURN POLICY DEFINITIONS
 POLICY ID DAYS POLICY EXPIRES ON
 " 1 90 10/17/2012

THE HOME DEPOT RESERVES THE RIGHT TO
LIMIT / DENY RETURNS. PLEASE SEE THE
RETURN POLICY SIGN IN STORES FOR
DETAILS.

BUY ONLINE PICK-UP IN STORE
AVAILABLE NOW ON HOMEDEPOT.COM.
CONVENIENT, EASY AND MOST ORDERS
READY IN LESS THAN 2 HOURS!

*****XX

ENTER FOR A CHANCE
TO WIN A \$5,000
HOME DEPOT GIFT
CARD!

Share Your Opinion With Us! Complete
the brief survey about your store visit,
and enter for a chance to win at:

www.homedepot.com/opinion

COMPARTA SU OPINION EN
UNA BREVE
ENCUESTA PARA LA OPORT
UNIDAD DE GANAR.

User ID:
59796 57591

Password:
12369 57587

Entries must be entered by 08/18/2012.
Entrants must be 18 or older to enter.
See complete rules on website. No
purchase necessary.