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KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

OPERATOR: License # 33769  
Name: Black Diamond Research and Development Corp.  
Address 1: 316 West 14th  
Address 2: Po box 537  
City: Chanute State: KS Zip: 66720 +  
Contact Person: Jerry L. Phillips  
Phone: (620) 431-4111  
CONTRACTOR: License # 32079  
Name: Leis Oil Services  
Wellsite Geologist: none  
Purchaser: Pacer Engery

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 #: \_\_\_\_\_

8/25/11	08/25/11	08/25/11
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 001-30229-00-00  
Spot Description: \_\_\_\_\_  
SW SE NW SW Sec. 2 Twp. 26 S. R. 18  East  West  
1,459 Feet from  North /  South Line of Section  
4,363 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW  
County: Allen  
Lease Name: Murrill Well #: NW1  
Field Name: Humboldt-Chanute  
Producing Formation: Bartlesville  
Elevation: Ground: 1000 Kelly Bushing: \_\_\_\_\_  
Total Depth: 922' Plug Back Total Depth: 860'  
Amount of Surface Pipe Set and Cemented at: 22 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 860'  
feet depth to: surface w/ 100 sx cmt.

Drilling Fluid Management Plan  
(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 #: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**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.

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.

Signature: Timothy Bright  
Title: Secretary Date: July 17, 2012

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: DJS Date: 7/25/12

Operator Name: Black Diamond Research and Development Corp. Lease Name: Murrill Well #: NW1  
 Sec. 2 Twp. 26 S. R. 18  East  West County: Allen

**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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No

Electric Log Submitted Electronically  Yes  No  
 (If no, Submit Copy)

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

List All E. Logs Run:

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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	10"	7	n/a	22'	Portland	10	
Casing	6 1/4"	2 7/8"	N/A	862'		100	1/2 s Flow seal

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	Perf. 776' - 786'	City Water, KI Sub, 20# gel/breaker, Biocide, 75 15% HCl acid, Inhibitor, stem oil	
2	Perf. 806' - 811'		

TUBING RECORD:		Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. Oct. 19 2011		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. 1/2 1 bbls	Gas Mcf 0	Water Bbls. 5	Gas-Oil Ratio 0	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: 806' - 811'
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TICKET NUMBER 31549

**SOLIDATED**

Well Services, LLC

**KCC WICHITA**

LOCATION Eureka Ks

FOREMAN STEVE MULL

Chanute, KS 66720

**FIELD TICKET & TREATMENT REPORT**

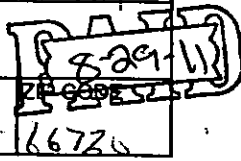
210 or 800-467-8676

CEMENT APT 15-001-30229

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-26-11		Murrell # N61	2	26S	18E	Allen

CUSTOMER  
 Black Diamond Research Development Corp.  
 MAILING ADDRESS  
 P.O. Box 537  
 CITY  
 Chanute

STATE  
 KS  
 66720



TRUCK #	DRIVER	TRUCK #	DRIVER
485	Alon m		
	Joey		
452/713	Jim		

JOB TYPE Long string HOLE SIZE \_\_\_\_\_ HOLE DEPTH 922' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH 860' DRILL PIPE \_\_\_\_\_ TUBING 2 7/8 OTHER \_\_\_\_\_  
 SLURRY WEIGHT 12.8 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT In CASING \_\_\_\_\_  
 DISPLACEMENT 5bbls DISPLACEMENT PSI 400# MIX-PSI Bump Plug 1000# RATE \_\_\_\_\_

REMARKS: Soft Misting. Rig up to 2 7/8 tubing. Break circulation with Fresh Water. Pump skulls out. Pump 200# Gel Flush & 5bbls water spacer. Mix 100 lbs OWC Cement w/ 1/2" phen seal per/sk. At 12.8# perf. Shut down wash out pump & lines. SUEF 2 plays Displace with 5bbls Freshwater. Final pumping pressure 400# Bump to 1000#. Shut well in. Good cement return to surface. 5bbls to pit. Job Complete Rig down.

Thank You

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	975.00	975.00
5406	50	MILEAGE	4.00	200.00
1126	100 SKS	OWC Cement	17.90	1790.00
1107A	50 #	Phenaseal	1.22	61.00
1118B	200#	Gel Flush	.20	40.00
5407	5.5	Tennilene Bulk Truck	m/c	330.00
4402	2	2 7/8 Top Rubber Plug	28.00	56.00
5501C	4 hrs	Water Transport	112.00	448.00
1123	3500 gallons	City water	15.60/1000	54.60
Total @ 4106.72 Paid check #				
5% Discount - 205.34 1742				
3961.38				
			Sub Total	2954.60
			SALES TAX 7.6%	152.12
			ESTIMATED TOTAL	4106.72

Ravin 3737

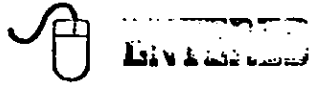
AUTHORIZATION Timmy Smith

TITLE PUMPER

DATE



**CONSOLIDATED**  
Oil Well Services, LLC



TICKET NUMBER 31549  
LOCATION Eureka, KS  
FOREMAN Stavros Mead

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-487-8676

**FIELD TICKET & TREATMENT REPORT**

**CEMENT** APT 15-001-30229

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-26-11	9999	Murrell # NW 1	2	26S	18E	Allen
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Black Diamond Research Development Corp.			485	Alan m		
MAILING ADDRESS			543	Joey		
P.O. Box 537			453/763	Jim		
CITY	STATE	ZIP CODE				
Chanute	KS	66720				

JOB TYPE Long string HOLE SIZE \_\_\_\_\_ HOLE DEPTH 922' CASING SIZE & WEIGHT \_\_\_\_\_  
 CASING DEPTH 860' DRILL PIPE \_\_\_\_\_ TUBING 2 3/8 OTHER \_\_\_\_\_  
 SLURRY WEIGHT 12.8\* SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_  
 DISPLACEMENT 5 bbls DISPLACEMENT PSI 400\* MIXT<sup>PS</sup> Bump Pky 100\* RATE \_\_\_\_\_

REMARKS: Safety Warning: Rig up to 2 3/8 tubing. Break circulation with Fresh Water Pump 5 bbls ahead. Pump 200\* Gel Flush + 5 bbls water spacer. Mix 100 sks OWC Cement w/ 5\* Phenoseal per/sk. At 13.8\* per/sk. Shut down Wash out pump & lines. SUEC 2 plays. Displace with 5 bbls Freshwater. Final pumping Pressure 400\* Pump to 100\*. Shut Well in. Good Cement Return to surface. 5 bbls to pit. Job Complete Rig down.

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5407	5.5	Tan mileage Bulk Truck	n/c	330.00
4402	2	2 3/8 Top Rubber Plug	28.00	56.00
5501c	4 hrs	Water Transport	112.00	448.00
1123	3500 gallons	CITY Water	15.64/1000	54.65
Total			4105.13	Paid check #
5% Discount			- 205.26	1792
			3901.38	
			Sub Total	2954.60
			SALES TAX	151.13
			ESTIMATED TOTAL	4105.13

Rev'n 3737

AUTHORIZATION Tommy Smith

TITLE Pumper

DATE \_\_\_\_\_

# LEIS OIL SERVICES

111 East Mary • Yates Center, Kansas 66783 • (620) 625-3676

Operator License #: 33769	API #: 15-001-30229-00-00
Operator: Black Diamond R & D Corp.	Lease: Murrill
Address: 316 W. 14 <sup>th</sup> St. Chanute, KS 66720	Well #: NW 1
Phone: (620) 431-4111	Spud Date: 08/25/11    Completed: 08/26/11
Contractor License: 32079	Location: SW-SE-NW-SW of 2-26-18E
T.D. : 865            T.D. of Pipe: 862	1459            Feet From            South
Surface Pipe Size: 7"            Depth: 22'	4363            Feet From            East
Kind of Well: Oil	County: Allen

## LOG

Thickness	Strata	From	To	Thickness	Strata	From	To
5	Soil	0	5	4	Oil Sand	807	811
20	Lime	5	25	54	Shale	811	865
25	Shale	25	50				
6	Lime	50	56				
53	Shale	56	109				
2	Lime	109	111				
5	Shale	111	116				
64	Lime	116	180				
15	Shale	180	195				
55	Lime	195	250				
130	Shale	250	380				
3	Lime	380	383				
32	Shale	383	415				
36	Lime	415	451				
12	Shale	451	463		T.D.		865
1	Lime	463	464				
55	Shale	464	519		T.D. of Pipe		862
2	Lime	519	521				
5	Shale	521	526				
22	Lime	526	548				
45	Shale	548	593				
19	Lime	593	612				
2	Black Shale	612	614				
6	Shale	614	618				
6	Lime	618	624				
146	Shale	624	770				
8	Broken Sand	770	778				
12	Oil Sand	778	790				
17	Shale	790	807				

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