RECEIVED JUL 2 3 2012

KCC WICHITA

KANSAS CORPORATION COMMISSION - 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 # 33769	API No. 15 - 205-2/960-00-00
Name: Black Diamond Research and Development Corp.	Spot Description:
Address 1: 316 West 14th	SE_NW_NE_NW Sec. 6 Twp. 27 S. R. 17 Fast West
Address 2: Po box 537	4,786 Feet from North / South Line of Section
City: Chanute State: KS Zip: 66720 +	3,424 Feet from 🗹 East / 🗌 West Line of Section
Contact Person: Jerry L. Phillips	Footages Calculated from Nearest Outside Section Corner:
Phone: (620) 431-4111	□ NE □ NW □ SE □ SW
CONTRACTOR: License #_ 32079	County: Wilson
Name: Leis Oil Services	Lease Name: Rubow Well #: NW2
Wellsite Geologist: none	Field Name: unnamed
Purchaser: Pacer Engery	Producing Formation: Bartlesville
Designate Type of Completion:	Elevation: Ground: 1011 Kelly Bushing:
	Total Depth: 1000 Plug Back Total Depth: 977
	Amount of Surface Pipe Set and Cemented at: 22 Feet
Ø Oil □ wsw □ swb □ slow	
Gas D&A ENHR SIGW	Multiple Stage Cementing Collar Used? Yes V No
☐ OG ☐ GSW ☐ Temp. Abd.	If yes, show depth set:Feet
Cathodic Other (Core, Expl., etc.):	If Alternate II completion, cement circulated from: 977
_ , , , , , , , , , , , , , , , , , , ,	feet depth to: surface w/ 100 sx cmt.
If Workover/Re-entry: Old Well Info as follows:	
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth:	Chloride content:ppm Fluid volume:bbls
Deepening Re-perf. Conv. to ENHR Conv. to SWD	Dewatering method used:
Conv. to GSW	Landian of fluid diseased if having definite.
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
□ Dual Completion Permit #:	Lease Name: License #:
ENHR Permit #:	QuarterSec TwpS. R
GSW Permit #:	County: Permit #:
08/09/11 08/11/2011 08/11/11	
Spud Date or Date Reached TD Completion Date or Recompletion Date	
Kansas 67202, within 120 days of the spud date, recompletion, workover or of side two of this form will be held confidential for a period of 12 months if re	th the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information equested in writing and submitted with the form (see rule 82-3-107 for confidence) reli report shall be attached with this form. ALL CEMENTING TICKETS MUST form with all temporarily abandoned wells.
AFFIDAVIT	KCC Office Use ONLY
I am the affiant and I hereby certify that all requirements of the statutes, rules and lations promulgated to regulate the oil and gas industry have been fully complie	- 1 - M 4 O 6 d 47 - 42 4
and the statements herein are complete and correct to the best of my knowled	NI WILL
C A 0 - 1.	Confidential Release Date:
Signature: TUI MLI & MIAN &	Wireline Log Received
Tan Maria	Geologist Report Received
Title Date VIII O	ALT

Side Two

Operator Name: Blac	k Diamond Research	and Dev	elopment Corp	Lease	Name:	Rubow		Well #:N	W2	
Sec. 6 Twp. 27	s. R. <u>17</u>	✓ East	─ West	County	: Wilso	on				
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	esed, flowing and shu es if gas to surface te	t-in pressi st, along v	ures, whether si with final chart(s	hut-in pres	sure read	ched static level,	hydrostatic pr	essures, bottom	hole temp	erature, fluid
Drill Stern Tests Taken (Attach Additional S		Y	es 🕖 No		□L(og Formation	r (Top), Depth	and Datum		Sample
Samples Sent to Geo Cores Taken Electric Log Run		Y	es 🛮 No		Nam	e		Тор	[Datum
Electric Log Submitted (If no, Submit Copy List All E. Logs Run:	-	∐¥	es No					R	ECEIV	ED
								JL	JL 23	2012
		Repo		RECORD	✓ Ne urface, inte	w Used ermediate, producti	on, etc.	KC	WIC	HITA
Purpose of String	Size Hole Drilled		ze Casing t (In O.D.)	Wei Lbs.		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
Surface	10"	7		n/a		22'	Portland	10		
Casing	61/4"	2 7/8"		N/A		977'		100	1/2 s F	low seal
			ADDITIONAL	CEMENT	ING / SQL	JEEZE RECORD				
Purpose:	Depth Top Bottom	Туре	o of Cernent	# Sacks	s Used		Type at	nd Percent Additive	es .	
Shots Per Foot			RD - Bridge Plug Each Intervat Perl				cture, Shot, Cen	nent Squeeze Reci	ord	Depth
2	Per. 938"-948"					City Water, Kil Sub,	20# gel/breaker, Bioc	oide, 75 15% Hill acid, Inl	hibitar, stem of	977
TUBING RECORD:	Size:	Set At:	:	Packer A	N:	Liner Run:	Yes [No		
Oate of First, Resumed Oct. 5, 2011	Production, SWD or EN	HR.	Producing Meth	nod: Pumpii	ng 🗌	Gas Lift 0	ther (Explain)			
Estimated Production Per 24 Hours		Bbls. I bbls	Gas O	Mcf	Wat		bls. ols	Gas-Oil Ratio		Gravity
Vented Solo	ON OF GAS: Used on Lease		_	METHOD O	F COMPLI Dually (Submit	Comp. Com	nmingled	PRODUCT 938' - 948'	ION INTER	VAL:





TICKET NUMBER 31479 LOCATION FOREMAN STORE MAN

PO Box 884, Chanute, KS 66720

FIELD TICKET & TREATMENT REPORT

20-431-9210	or 800-467-8676	}		CEMEN	T			
DATE	CUSTOMER#		NAME & NUM	BER	SECTION	TOWNSHIP	RANGE	COUNTY
8-11-11	वववव	Rebow -	1		6-	275	176	wilson
CHICTOMER	<u> </u>				は大学の主ない	Will dies Chief Pa		
Black Dia	mand Resea	rch Davi	Lasmol	_}	TRUCK#	DRIVER	TRUCK#	DRIVER
VAILING ADDRE	ESS			}	485	Alan m		<u> </u>
Ro. Boy	437				543	cheism		
CITY		STATE	ZIP CODE					·
Chanui		Xs .	11720			<u> </u>		<u> </u>
	gaicht. O	HOLE SIZE		HOLE DEPT	H <u>982'</u>	CASING SIZE & \	NEIGHT	
CASING DEPTH		DRILL PIPE		_TUBING2	35		OTHER	
SLURRY WEIGH	•	SLURRY VOL_			sk	CEMENT LEFT in	CASING	
DISPLACEMEN					mpples 500 F	RATE		
DEMARKS: C	Fru Martin	· 2	20 2%	Tuking	Brook Cic	calition wi	th Fresh	Ligier.
NEMPHOLO: 30	** C \ 71.	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	1. For by	A color	Ala Aosk	ComcCama	ns with	Phene see
Mang 20	$\frac{6}{6}$	114 + 500	3 / ISA	101012 / La		ff 2 plays	Displace	with
Postski.	שם אוי מפה	14 Wasi	Soul Pe	VALUE AND A		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	routh SA	es = Well
5.7645 FC	<u>apmorac</u>	Jina Bu	mping &	CESS CITY	300 00	Amp Play 9		
1 900F	Good	cment Ka	<u> antur 10</u>	Suctors	<u> </u>			
	·	<u> </u>	ngletz	Rig dow				
				<u> </u>	REC	EIVED		
					- 1111 -	2 2012		
					JUL	2 3 2012		
ACCOUNT	1				of SERVICES CON	AICHITA	UNITE DOI:05	TOTAL
CODE	QUANIT	Y or UNITS		ESCRIPTION (OI SERVICES OF	**************************************	UNIT PRICE	TOTAL
5201	1		PUMP CHAR	GE			975.00	975.00
12201	100		MILEAGE				4.00	200-40

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES OF THE CHITA	UNIT PRICE	TOTAL
5201	<u> </u>	PUMP CHARGE	975.00	975.00
SNOT	50	MILEAGE	4.00	200-40
1126	/005ks	OWC Cement	17.90	1790-00
#67A	50 s	Phenoseal & Ausk	1.23	61-00
111813	200	Gel flush	.20	43.00
5407	5.5 Taby	Jan Milega Bulk Truck	mc	330.00
4402	2	224 " Top Rubber Play	28.00	56.00
		Total 3574.66 Paid check \$ 172		
	Discount	4× - 178.73 3395.93		
		7395.93		
		1	SALES TAX	345200
Ravin 3737		2. 243474	ESTIMATED TOTAL	122.66 3574.4
	1 Oug SII)	Μ Δ 700 E	DATE	

who amonded in writing on the front of the form or in the customer's



LEIS OIL SERVICES

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



Operator License #: 33769	API #: 15-205-27960-00-00
Operator: Black Diamond R & D Corp.	Lease: Rubow
Address: 316 W. 14 th St. Chanute, KS 66720	Well #: NW 2
Phone: (620) 431-4111	Spud Date: 08/09/11
Contractor License: 32079	Location: SE-NW-NE-NW of 6-27-17E
T.D.: 982 T.D. of Pipe: 977	4786 Feet From South
Surface Pipe Size: 7" Depth: 22'	3424 Feet From East
Kind of Well: Oil	County: Wilson
	RECEIVE

JUL 23 2012

LOG

KCC WICHITA

Thickness	Strata	From	To	Thickness	Strata	From	To
6	Soil	0	6	52	Shale	830	882
3	Lime	6	9	8	Broken Sand	882	890
103	Shale	9	112	11	Shale	890	901
34	Lime	112	146	2	Lime	901	903
28	Shale	146	174	17	Sandy Shale	903	920
57	Lime	174	231	19	Oil Sand	920	939
45	Shale	231	276	2	Lime	939	941
114	Lime	276	390	41	Shale	941	982
18	Shale	390	408				
51	Lime	408	459				
3	Shale	459	462				·
39	Lime	462	501				
108	Shale	501	609				
5	Lime	609	614				
88	Shale	614	702		T.D.		982
2	Lime	702	704				
6	Shale	704	710		T.D. of Pipe		977
22	Lime	710	732				
1	Black Shale	732	733				
2	Lime	733	735				
25	Shale	735	760				
5	Lime	760	765				
1	Shale	765	766		· · · · · · · · · · · · · · · · · · ·		
11	Lime	766	777				
10	Shale	777	787		· · · · · · · · · · · · · · · · · · ·		
2	Lime	787	789	1	,		· ··· · · · · · · · · · · · · · · · ·
19	Shale	789	808				
4	Lime	808	812				
3	Shale	812	815	1	· · · · · · · · · · · · · · · · · · ·		
15	Broken Sand(est)	815	830	<u> </u>			





TICKET NUMBER 31483

LOCATION ELLEKA

FOREMAN STOLEN AREA

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT CEMENT

CUSTOMER Black Diamon Research Developmen MAILING ADDRESS LO. Box 537 CITY STATE ZIP CODE Channia As 16220 HOLE SIZE 5 HOLE DEPTH 782' CASING SIZE & WEIGHT TUBING 22X OTHER DISPLACEMENT 5.7 Db.; DISPLACEMENT 5.7 Db.	DRIVER DRIVER To Soot
TRUCK # DRIVER TRUCK # MAILING ADDRESS CITY STATE ZIP CODE Channis Ks (1220) HOLE SIZE 5 HOLE DEPTH 782' CASING SIZE & WEIGHT CASING DEPTH 972' DRILL PIPE TUBING 2000 CEMENT LEFT IN CASING DISPLACEMENT 5.7 DB. DISPLACEMENT PSI YEAR MEXTER BUMP Play & WATER gallsk CEMENT LEFT IN CASING DISPLACEMENT 5.7 DB. DISPLACEMENT PSI YEAR MEXTER BUMP Play & WATER GALLSK CEMENT LEFT IN CASING REMARKS: Saf7y Meding: Rif ap to 28 Taby Break (Irchia ium la free sh Lua 2000 CEMENT LEFT IN CASING CEMENT SI STAFF PREDO SI A7136 FARCAL STAFF POCST. Mix log sks Ows Cement Left Pheno SI A7136 FARCAL STAFF FORST. Final Pumping Pressure Hoo? Blump Play Shai Wallin, Good Cement Rejects.	DRIVER DRIVER
CUSTOMER Riack Diamond Research Developmen MAILING ADDRESS CITY STATE STATE SIP CODE Chamais As STATE SIP CODE TUBING MEX POR SIZE & WEIGHT TUBING TUBING TUBING TUBING TO STATE CHEMENT LEFT IN CASING MEX POR SUD RATE REMARKS: Safiy Medicing Rife ap to 28 Johns Break (inch a ion by Free Sh Luch As STATE REMARKS: Safiy Medicing Spores. Mix log sks. Aug. Cement by Emparing As STATE Chamais Shai wall in Good Cement Rejects. Signal Play Shai wall in Good Cement Rejects. Table Compiler Rej	DRIVER DRIVER
CITY STATE ZIP CODE Changes 137 Changes 13	Ten Allx
CITY STATE ZIP CODE Changes 137 Changes 13	palparysk
Charmis Ks JOB TYPE LANGUISTING O HOLE SIZE 5 35 HOLE DEPTH 782' CASING SIZE & WEIGHT CASING DEPTH 972' DRILL PIPE TUBING 28 OTHER SLURRY WEIGHT 1.5° SLURRY VOL WATER GAUSK CEMENT LEFT IN CASING DISPLACEMENT 5.7 HIS DISPLACEMENT PSI 1400 MIX POI Bump Play 800 RATE REMARKS: Safiy Meding Rif ap to 28 John Break (iccuration by Fresh Water 1994) AT 15.6 FARCEL Shall Links & Paces All 1995 STUFF 2 Plays Display Shall Grant Wash out Plays Times STUFF 2 Plays Displays Shall Wash Wash out Plays Shall Great Wash Displays Bump Plays Shall Wash in Great Campain Plays Shall Wash in Great Campain Plays Shall Wash in Great Campain Rejectors Shall Wash in Great Campain Rejectors To be Campilled Richard Rejectors	palparysk
Charmis Ks JOB TYPE LANGUISTING O HOLE SIZE 5 35 HOLE DEPTH 782' CASING SIZE & WEIGHT CASING DEPTH 972' DRILL PIPE TUBING 28 OTHER SLURRY WEIGHT 1.5° SLURRY VOL WATER GAUSK CEMENT LEFT IN CASING DISPLACEMENT 5.7 HIS DISPLACEMENT PSI 1400 MIX POI Bump Play 800 RATE REMARKS: Safiy Meding Rif ap to 28 John Break (iccuration by Fresh Water 1994) AT 15.6 FARCEL Shall Links & Paces All 1995 STUFF 2 Plays Display Shall Grant Wash out Plays Times STUFF 2 Plays Displays Shall Wash Wash out Plays Shall Great Wash Displays Bump Plays Shall Wash in Great Campain Plays Shall Wash in Great Campain Plays Shall Wash in Great Campain Rejectors Shall Wash in Great Campain Rejectors To be Campilled Richard Rejectors	palparysk
Changes JOB TYPE Largestring O HOLE SIZE 5 to HOLE DEPTH 787' CASING SIZE & WEIGHT CASING DEPTH 977' DRILL PIPE TUBING 28 OTHER SLURRY WEIGHT 1.5° SLURRY VOL WATER gallak CEMENT LEFT IN CASING DISPLACEMENT 5.7 bbs. DISPLACEMENT PSI 200° MEX POB Sump Play 800° RATE REMARKS: Safir Medicine Ris ap To 28 John Break Circulation by Fresh Water 200 the Compatible	palparysk
JOB TYPE Angesting O HOLE SIZE ST HOLE DEPTH 787' CASING SIZE & WEIGHT CASING DEPTH 977' DRILL PIPE TUBING 28 OTHER SLURRY WEIGHT 1.5° SLURRY VOL WATER GAI/SK CEMENT LEFT IN CASING DISPLACEMENT 5.7 His DISPLACEMENT PSI Hard MEX POI Bump Play & WOTH RATE REMARKS: Safty Meding: Rif ap to 28 Taking Break Circulation by Fresh was Remarks: Safty Meding: Spaces. Mix logsks aus Cement by 2° Pheno Si AT 18.6 Factor Shull down washout Pump & Lines Staff 2 Plags. Dis With Silble Fresh water. Final pumping Pressure 400° Bump Play Shull well in Frond Cement Returns to Surface.	palparysk
CASING DEPTH 972' DRILL PIPE TUBING 28% OTHER SLURRY WEIGHT 1. 5" SLURRY VOL WATER gal/sk CEMENT LEFT IN CASING DISPLACEMENT PSI YOU MEN POI BUMP PIPE SUD RATE REMARKS: Safty Medic: Ris ap to 28 Tabing Break Circulation by Fresh was a selected from the selected was a selected from the selected fro	palparysk
SLURRY WEIGHT 1. 5 SLURRY VOL WATER gallsk CEMENT LEFT IN CASING DISPLACEMENT 5.7 bbs DISPLACEMENT PSI 200 MEXPOR Brook CICCHA JION Ly fresh was 200 mext for the fresh was 200 mext for the 2 pheno Start for the form was and pumping Pressure 400 Bump Plus Shir well in Good Cement Return Return to Surface.	polysk
DISPLACEMENT 5.7 bbs. DISPLACEMENT PSI Hard MEXPOREUMPPlay 840 RATE REMARKS: Safiy Meding: Ris ap to 28 Tabing Break Circulation by Fresh was 200 th Galflush 2 bbs. water spaces. Mix log sks aws Cement by 20 pheno Si AT 18.6 Facyol Shut down washout Pump & lines. Staff 2 plugs. Dis With 5.7 bbls Fresh water. Final pumping Pressure 400 Bump Plug Shut well in Frank Cement Returns to surface. To be complete Richard	polysk
REMARKS: Safir Meding: Rif ap to 23 Tabing Break Circulation by Frock was 200 th Galflush 2661 water spaces. Mix 100 sks awas Coment by 2 pheno S AT 18.6 Facyol Shut down washout Pump & Lines. Stuff 2 plugs. Dis with 5.7661 Frosh water. Final pumping Pressure 400 thump Plug Shut westin. Good Cement Returns to Surface. Tab Complete Ricoland	polysk
200 th Golflush 2 bblishmiser spacer. Mix logsks awas Coment by 2 pheno Si AT 18.6 theregal Shui down washout pumping & lines. Stuff 2 plugs. Dis with 5.7 bblis frosh water. Final pumping Pressure 400 thump Plug Shui westin. Good Cement Returns to surface.	polysk
ATISIFACIAL STUTE down washout pump + lines. STUFF 2 plugs. Dis with 5.7661s Frosh water. Final pumping Pressure 400 Bump Plug Shui westin, Good Cement Returns to surface.	phee
With 5.74415 Frost water. Final pumping Prossure 400 Bump Play Shui westin. Good Cement Returns to surface. To be Complete Richard	
Shui Wellin, Good Cement Returns to Surface.	10 800
John Complete Richard	
Job Complete Rig down RECEIVED	
UPARIVED	
	·
JUL 2 3 2012	
Thank You	
ACCOUNT QUANTTY OF JUNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE	
ACCOUNT QUANITY OF UNITS DESCRIPTION OF SERVICES OF PRODUCT UNIT PRICE	TOTAL
4401 / PUMP CHARGE 975.09	92500
406 50 MILEAGE 4.00	200.00
5 7 3 3	
1176 /09 sts OWS Coment 17.99	179000
	T
1107A 50# Phenoseal 122	6/-90
	
1118B 2000 Gel flush 20	40-00
	
5407 65500 Jon Mileg & BULKTILLE MYC	230-00
ANOZ 2 234" Top Rubber Play 2840	56-00
	1
55025 4hr Sabi vacuum iruch 90.00	760-00
1/14/	46.80
1123 3000 Follon City Water School	
Total 3984.41 Check # 1727	
5% Dis coust 199.22	1
1 1 574 / 45 [649] 177.45 /	7858.80
7785.19 Sub Tate	1 128 1.
3785.19 Sub Tata \ 6.3% SALES TAX	1256
7785.19 Sub Tate	
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