

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 7076
Name: Black Diamond Oil, Inc.
Address: P.O. Box 641
City/State/Zip: Hays, KS 67601
Purchaser: none
Operator Contact Person: Kenneth Vehige
Phone: (785) 625-5891
Contractor: Name: WW Drilling
License: 33575
Wellsite Geologist: Tony Richardson

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>4/12/2007</u>	<u>4/19/2007</u>	<u>4/19/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 137-20464-00-00

County: Norton

 w/2 SE NW Sec. 23 Twp. 4 S. R. 22 East West

2050 feet from S / (N) (circle one) Line of Section

1650 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE (NW) SW

Lease Name: Griffin A Well #: 1-23

Field Name: Wildcat

Producing Formation: None

Elevation: Ground: 2256 Kelly Bushing: 2261

Total Depth: 3820 Plug Back Total Depth: none

Amount of Surface Pipe Set and Cemented at 220 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 cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

*ALT II with
1-24-08*

Chloride content 4000 ppm Fluid volume 400 bbls

Dewatering method used Air Dry - Backfill

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: president Date: 6-7-07

Subscribed and sworn to before me this 7th day of June

20 07

[Signature]
5/21/2011

NOTARY PUBLIC
MELISSA L. WINDHOFF
STATE OF KANSAS
My Appt. Exp. 5/21/2011

KCC Office Use ONLY

N

Letter of Confidentiality Received

✓

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

RECEIVED

KANSAS CORPORATION COMMISSION

JUN 08 2007

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Black Diamond Oil, Inc. Lease Name: Griffin A Well #: 1-23
 Sec. 23 Twp. 4 S. R. 22 East West County: Norton

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets) Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy) List All E. Logs Run: Dual Induction, Compensated Density and Sonic	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1914</td> <td>+347</td> </tr> <tr> <td>Topeka</td> <td>3230</td> <td>-969</td> </tr> <tr> <td>Heebner</td> <td>3427</td> <td>-1186</td> </tr> <tr> <td>Lansing/KC</td> <td>3471</td> <td>-1210</td> </tr> <tr> <td>Gorham</td> <td>3706</td> <td>-1445</td> </tr> <tr> <td>Arbuckle</td> <td>3723</td> <td>-1462</td> </tr> <tr> <td>Reagan Sand</td> <td>3785</td> <td>-1524</td> </tr> </table>	Name	Top	Datum	Anhydrite	1914	+347	Topeka	3230	-969	Heebner	3427	-1186	Lansing/KC	3471	-1210	Gorham	3706	-1445	Arbuckle	3723	-1462	Reagan Sand	3785	-1524
Name	Top	Datum																							
Anhydrite	1914	+347																							
Topeka	3230	-969																							
Heebner	3427	-1186																							
Lansing/KC	3471	-1210																							
Gorham	3706	-1445																							
Arbuckle	3723	-1462																							
Reagan Sand	3785	-1524																							

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	20	220	Common	160	3% cc, 2% gel

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

TUBING RECORD	Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr.	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas	METHOD OF COMPLETION	Production Interval	RECEIVED KANSAS CORPORATION COMMISSION JUN 08 2007
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	<input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____		

*WW Drilling, LLC
WaKeeney, KS
Well Plugging Orders*

Operator: Black Diamond Oil, Inc. License # 7076
Address: PO Box 641 - Hays, Kansas 67601

API # 15-137-20464-00-00

Lease Name: Griffin A # 1-23
Legals: 2050' FNL & 1650' FWL, Sec 23-4s-22w
County: Norton County, Kansas

Plug #	Sx.	Feet
1st	<u>25</u>	<u>@ 20' Above Arb</u>
2nd	<u>25</u>	<u>@ 1950</u>
3rd	<u>100</u>	<u>@ 1175</u>
4th	<u>40</u>	<u>@ 275</u>
5th	<u>10</u>	<u>@ 40</u>
Rathole	<u>15</u>	
Mousehole		

Total: 215

Type: 60/40 poz--6% gel--1/4 # per sx Flo-seal

Spud Report: Marvin Date: 4/12/2007 Time: 9:15 AM
Orders From: Herb Deines Date: 4/18/2007 Time: 4:40 PM
Reported to: Herb Deines Date: 4/21/2007 Time: 9:00 AM

RECEIVED
KANSAS CORPORATION COMMISSION

JUN 08 2007

CONSERVATION DIVISION
WICHITA, KS

ALLIED CEMENTING CO., INC.

32924

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell

DATE <u>4/19/07</u>	SEC <u>23</u>	TWP <u>4S</u>	RANGE <u>22W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:15pm</u>	JOB FINISH <u>11:50pm</u>
LEASE <u>Oil & Gas</u>	WELL# <u>A 1-23</u>	LOCATION <u>Edmond 2 E 3 1/2 N</u>	COUNTY <u>North</u>		STATE <u>KS</u>		
OLD OR NEW (Circle one)		<u>En</u>					

CONTRACTOR WW Drilling Rig 26

TYPE OF JOB Plug

HOLE SIZE 7 3/4 T.D. 3818

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT

AMOUNT ORDERED 215 ⁶⁰/₁₀₀ 69.6 cu ft

14" F.F.

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

RECEIVED

KANSAS CORPORATION COMMISSION

JUN 08 2007

CONSERVATION DIVISION

WICHITA, KS

HANDLING @

MILEAGE @

EQUIPMENT

PUMP TRUCK CEMENTER Steve

366 HELPER Robert

BULK TRUCK

396 DRIVER Doug

BULK TRUCK

DRIVER

REMARKS:

25 sks @ 3818'

25 sks @ 1950'

100 sks @ 1175'

40 sks @ 275'

10 sks @ 40'

Rat Hole 15 sks

CHARGE TO: Black Diamond Oil, Inc

STREET

CITY STATE ZIP

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

Signature [Handwritten Signature]

SIGNATURE

TOTAL

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

1 Day Hole Plug @

@

TOTAL

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME

ALLIED CEMENTING CO., INC.

32917

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT
Russell

DATE <i>4/12/07</i>	SEC <i>23</i>	TWP <i>4</i>	RANGE <i>22</i>	CALLED OUT	ON LOCATION <i>9:00pm</i>	JOB START <i>10:00pm</i>	JOB FINISH <i>10:30pm</i>
LEASE <i>Circle</i>	WELL# <i>A 1-22</i>	LOCATION <i>Edmond 25 36N</i>	COUNTY <i>Norton</i>	STATE <i>Ks</i>			
OLD OR NEW (Circle one)			<i>Exits</i>				

CONTRACTOR *W/No #6*

TYPE OF JOB *Surface Sub*

HOLE SIZE *12 1/4* T.D. *221*

CASING SIZE *8 7/8* DEPTH *220*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *15'*

PERFS.

DISPLACEMENT *13 661*

OWNER

CEMENT

AMOUNT ORDERED *160 Can 3+2*

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

RECEIVED
KANSAS CORPORATION COMMISSION
JUN 08 2007
CONSERVATION DIVISION
WICHITA, KS

EQUIPMENT

PUMP TRUCK CEMENTER *Steve*

366 HELPER *Robert*

BULK TRUCK

345 DRIVER *Chris*

BULK TRUCK

DRIVER

REMARKS:

Cement Circ!

CHARGE TO *Black Diamond*

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

TAX

TOTAL CHARGE

DISCOUNT IF PAID IN 30 DAYS

TOTAL

To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE *[Signature]*

PRINTED NAME

DAILY DRILLING REPORT
43

CONTRACTOR Black Diamond W.W. Drilling LLC DATE Thursday 4-12-07
 COMPANY Black Diamond Oil Co. LEASE Griffen A. 123 WELL NO. 6 RIG NO. 6
 DISTRICT COUNTY Norton STATE Ks D. P. STRING NO. 1 SIZE 4 1/2 FH

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRB
						DM Robert Dickerson	8
						EM Kyle Smith	8
						H Weldon Koehn	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)				H	
@	FT.					H	
DEG. OFF		<u>8:00 - 3:00</u>				DRLR Jerry Simms	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 8:00 - 3:00 Rig up
 RECEIVED KANSAS CORPORATION COMMISSION JUN 08 2007
 CONSERVATION DIVISION WICHITA, KS

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRB
						DM Dusty Wertz	12
						EM Jeff Weigel	12
						H Joel Beyers	12
SLOPE TEST		ACCIDENT: - (GIVE NAME)				H	
@	FT.					H	
DEG. OFF						DRLR Sid Datscher	12

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:00 RIG UP

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRB
0	221					DM Kevin LaDuke	8
						EM Biley Deutscher	8
						H Mick Smyth	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)				H	
@	FT.					H	
DEG. OFF						DRLR Stephen Heimy	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	2 3/4	SIZE D. P.	
SIZE	1 1/2	VISC.		CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	23730406	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	0	PH.		TRIP		COLLARS	FT.
HOURS RUN	2 3/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 3:00 - 5:15 Rig Up + Drill Bit Hole 5:15 - 6:00 Run Surface 6:00 - 6:15 Kelly Down 6:15 - 9:00 Run Surface 9:00 - 9:15 Jet Drive 9:15 - 10:00 Run 5 1/2 Surface 220 @ 221 10:00 - 10:30 Cement 10:30 - 11:00 WOC

DAILY DRILLING REPORT

43
 CONTRACTOR: **WW Drilling LLC**
 DATE: **Friday 4-13-07**
 COMPANY: **Black Diamond Oil Co.** LEASE: **Griffin A 1-23**
 WELL NO.: **6** RIG NO.: **6**
 DISTRICT: **Morton** COUNTY: **KS** STATE: **KS**
 D. P. STRING NO.: **✓** SIZE: **4 1/2 FH**

FROM	TO	FORMATION	ROTA SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
221	278					DM Robert Dickerson	8
						EM Kyle Smith	8
						H Weldon Koehn	8
SLOPE TEST		ACCIDENT: - Kyle Smith - Twister Area					
@	FT.	Well 72 East Wagon 11'				H Jerry Simms	8
	DEG. OFF	20 Gel 5 hulls				H Justin Woods	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	1/2	SIZE D. P.	
SIZE	4 1/2	VISC.		CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PF9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	1/2	MTL. ADDED (REMARKS)			WOC 7 1/2	TOTAL	FT.

REMARKS: 11:00-6:30 WOC 6:30-7:00 Drilling

FROM	TO	FORMATION	ROTA SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
278	1110		80	25	300	DM Dusty Wertz	8
						EM Jeff Weigel	8
						H Joel Beyers	8
SLOPE TEST		ACCIDENT: -					
@	FT.					H Sid Deutscher	8
	DEG. OFF						

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	6:30	SIZE D. P.	
SIZE	4 1/2	VISC.		CORING	Jet #1 1/4	SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PF9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	8 1/4	MTL. ADDED (REMARKS)				TOTAL	FT.

REMARKS: 7:00-10:15 DRLG 10:15-10:30 Jet #1 10:30-3:00 DRLG

FROM	TO	FORMATION	ROTA SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
1110	1918	sand & shale	80	30	500	DM Kevin LaDuke	8
						EM Riley Deutscher	8
						H Mick Smyth	8
SLOPE TEST		ACCIDENT: -					
@	FT.					H Stephen Hejny	8
	DEG. OFF						

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT	90	DRILLING	7 1/2	SIZE D. P.	
SIZE	4 3/8	VISC.		CORING	✓ 1/4	SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PF9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	15 3/4	MTL. ADDED (REMARKS)			Jet 1/4	TOTAL	FT.

REMARKS: 3:00-3:15 Drlg 3:15-3:30 Jet #1 @ 1142' 3:30-3:45 Drlg 3:45-4:00 Rig ✓
 4:00-11:00 Drlg

DAILY DRILLING REPORT

43

CONTRACTOR

WW Drilling LLC

Saturday

DATE 4-14-07

COMPANY

Black Diamond Oil Co. LEASE Griffin

WELL NO.

A-123

RIG NO.

6

DISTRICT

COUNTY

Morton

STATE

KS

D. P. STRING NO.

SIZE

4 1/2 FH

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.		NAME	HRS.
1948	1948	Anhydrite	80	32	500	DM	Robert Dickerson	8
1948	2375	Sand & shale				EM	Kyle Smith	8
						H	Weldon Keen	8
						H	Jerry Simms	8
						H	Justin Woods	8

200
strings
53K
58K

BIT AND COREHEAD RECORD			MUD RECORD			TIME RECORD			DRILL STEM RECORD		
RUN NO.	1	37 Gel	WEIGHT			DRILLING	7 1/2		SIZE D. P.		
SIZE	7 7/8	3 Soda	VISC.			CORING			SIZE COLL.		
MAKE	Smith	1 Caus	WTR. LOSS-C.C.			OTHER RIGV	1/4		JTS. D. P.		FT.
SERIAL NO.	PF9896	1 Lig	FILTER CAKE			REPAIRS			KELLY DOWN		FT.
DEPTH IN	221	1/3 Pac	PH.			TRIP			COLLARS		FT.
HOURS RUN	23 1/4	0 HULLS	MTL. ADDED (REMARKS)			Jet	1/4		TOTAL		FT.

REMARKS: 11:00-12:00 Drlg 12:00-12:30 RIGV & Jet #1 12:30-7:00 Drilling

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.		NAME	HRS.
2375	2787		80	35	500	DM	Dusty Wertz	8
						EM	Jeff Weigel	8
						H	Joel Beyers	8
						H	Sid Deutscher	8

BIT AND COREHEAD RECORD			MUD RECORD			TIME RECORD			DRILL STEM RECORD		
RUN NO.	44	37 Gel	WEIGHT			DRILLING	7 1/4		SIZE D. P.		
SIZE	5	3 Soda	VISC.			CORING	RIGV 1/4		SIZE COLL.		
MAKE	Smith	3 Caus	WTR. LOSS-C.C.			OTHER	Jet 1/4		JTS. D. P.		FT.
SERIAL NO.	PF9896	3 Lig	FILTER CAKE			REPAIRS			KELLY DOWN		FT.
DEPTH IN	221	1 Pac	PH.			TRIP			COLLARS		FT.
HOURS RUN	30 1/2	0 HULLS	MTL. ADDED (REMARKS)			Jet	1/4		TOTAL		FT.

REMARKS: 7:00-7:15 RIGV 7:15-8:00 DRLG 8:00-8:15 Jet #1
8:15-1:30 DRLG 1:30-1:45 Jet #1 1:45-3:00 DRLG

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.		NAME	HRS.
2787	3014	shale	80	35	500	DM	Kevin LaDuke	8
						EM	Riley Deutscher	8
						H	Myck Smith	8
						H	Justin Woods	8

BIT AND COREHEAD RECORD			MUD RECORD			TIME RECORD			DRILL STEM RECORD		
RUN NO.	1	18 Gel	WEIGHT			DRILLING	5 3/4		SIZE D. P.		
SIZE	7 7/8	20 Soda	VISC.			CORING			SIZE COLL.		
MAKE	Smith	1 Caus	WTR. LOSS-C.C.			OTHER RIGV	1/4		JTS. D. P.		FT.
SERIAL NO.	PF9896	1 Lig	FILTER CAKE			REPAIRS	1 1/4		KELLY DOWN		FT.
DEPTH IN	221	1/3 Pac	PH.			TRIP			COLLARS		FT.
HOURS RUN	36 1/4	0 HULLS	MTL. ADDED (REMARKS)			Jet	3/4		TOTAL		FT.

REMARKS: 3:00-3:15 RIGV 3:15-4:30 Drilling 4:30-5:30 Roto seal
5:30-8:00 Drlg 8:00-8:15 Jets Wash #2 8:15-9:15 Drlg 9:15-9:30 Roto Seal
9:30-9:45 Jet #1 9:45-10:30 Drilling 10:30-10:45 Jet #1 10:45-11:00 Drlg

DAILY DRILLING REPORT
43

CONTRACTOR
Ww Drilling

Sunday

DATE
4-15-07

COMPANY
Black Diamond Oil

LEASE
Griffin A

WELL NO.
1-23

RIG NO.
6

DISTRICT
Norton

COUNTY

STATE
KS

D. P. STRING NO.
1

SIZE
4 1/2 FH

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.		NAME	HRB.
3014		Shale	80	35	525	DM	Robert Dickerson	8
11:30 string wt. 65K						EM	Kyle Smith	8
1:00 string wt. 70K						H	Weldon Koehn	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)				H		
@	FT.					H		
DEG. OFF.							Jerry Simms	8
						DRLR	Justin Woods	8

BIT AND COREHEAD RECORD			MUD RECORD		TIME RECORD		DRILL STEM RECORD		
RUN NO.	1	36 Gel	WEIGHT	8.8 / 8.8	DRILLING	7 3/4	SIZE D. P.		
SIZE	7 3/8	4 Soda	VISC.	57 / 51	CORING		SIZE COLL.		
MAKE	Smith	2 Caus	WTR. LOSS-C.C.		OTHER	Rig ✓ 1/4	JTS. D. P.		FT.
SERIAL NO.	PF9896	2 Lig	FILTER CAKE		REPAIRS		KELLY DOWN		FT.
DEPTH IN	221	2/3 Pac	PH.		TRIP		COLLARS		FT.
HOURS RUN	44	0 HULLS	MTL. ADDED (REMARKS)				TOTAL		FT.

REMARKS: 11:00 - 11:30 Drlg 11:30 - 11:45 Rig ✓ 11:45 - 7:00 Drlg

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.		NAME	HRB.
3300	3485		80	35	525	DM	Jeff Weigel	8
						EM	Joel Beyers	8
						H	Stared Deutscher	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)				H		
@	FT.	Standby Tank in Premix				H		
DEG. OFF.								
						DRLR	Sid Deutscher	8

BIT AND COREHEAD RECORD			MUD RECORD		TIME RECORD		DRILL STEM RECORD		
RUN NO.		20 Gel	WEIGHT		DRILLING	5 1/2	SIZE D. P.		
SIZE		3 Soda	VISC.		CORING	Rig ✓ 1/4	SIZE COLL.		
MAKE		2 Caustic	WTR. LOSS-C.C.		OTHER		JTS. D. P.		FT.
SERIAL NO.	PF9896	1 Lig	FILTER CAKE		REPAIRS		KELLY DOWN		FT.
DEPTH IN		1/3 Pac	PH.		TRIP		COLLARS		FT.
HOURS RUN	49 1/2	15 HULLS	MTL. ADDED (REMARKS)				TOTAL		FT.

REMARKS: 7:00 - 7:30 DRLG 7:30 - 7:45 RIG ✓ 7:45 - 17:45 DRLG 17:45 - 1:45 OF 3485
1:45 - 3:00 SHORT TRIP

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.		NAME	HRB.
3485	3485					DM	Kevin LaDuke	8
						EM	Riley Deutscher	8
						H	Mick Smyth	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)				H		
@	3485 FT.					H		
DEG. OFF.								
						DRLR	Stephen Hejny	8

BIT AND COREHEAD RECORD			MUD RECORD		TIME RECORD		DRILL STEM RECORD		
RUN NO.			WEIGHT		DRILLING		SIZE D. P.		
SIZE			VISC.		CORING		SIZE COLL.		
MAKE			WTR. LOSS-C.C.		OTHER		JTS. D. P.		FT.
SERIAL NO.	PF 9896		FILTER CAKE		REPAIRS		KELLY DOWN		FT.
DEPTH IN			PH.		TRIP		COLLARS		FT.
HOURS RUN	49 1/2		MTL. ADDED (REMARKS)				TOTAL		FT.

REMARKS: 3:00 - 4:45 Short Trip 4:45 - 9:45 CTCH 5:45 - 6:00 Survey
6:00 - 7:45 TOWBB 7:45 - 8:00 MUTT 8:00 - 9:15 TIWTT PINTest 5x4s
9:15 - 11:00 DST #1

DAILY DRILLING REPORT

43

CONTRACTOR

W W Drilling LLC

DATE

4-16-07

COMPANY

Black Diamond Oil Co.

LEASE

Griffin "A"

WELL NO.

1-23

RIG NO.

6

DISTRICT

COUNTY

Norton

STATE

KS

D. P. STRING NO.

1

SIZE

4 1/2 FH

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3485	3485					John Ambrog	8
		(8 Hrs - CO. TIME)				Kyle Smith	8
						Weldon Koehn	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.	Fuel	5"			Jerry Simms	8
DEG. OFF		Fresh water 3'				Justin Woods	8

BIT AND COREHEAD RECORD

MUD RECORD

TIME RECORD

DRILL STEM RECORD

RUN NO.	SIZE	MAKE	SERIAL NO.	DEPTH IN	HOURS RUN	WEIGHT	VISC.	WTR. LOSS-C.C.	FILTER CAKE	PH.	MTL. ADDED (REMARKS)	DRILLING	CORING	OTHER	REPAIRS	TRIP	SIZE D. P.	SIZE COLL.	JTS. D. P.	FT.	KELLY DOWN	FT.	COLLARS	FT.	TOTAL	FT.
1	7 7/8	Smith	PF9896	221	49 1/2											CT	8									

REMARKS: 11:00-1:00 Testing DST#1 1:00-2:00 TOWTT 2:00-2:15 LDTT 2:15-3:00 W.D.O. Master to change anchor & MUTT 3:00-3:45 T.I.WTT 3:45-4:15-7:00 Testing DST#2

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3485			60	35	550	Dusty Wertz	8
						Jeff Weigel	8
						Toel Beyers	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.	[6 Hrs - CO. TIME]					
DEG. OFF						Sid Deutscher	8

BIT AND COREHEAD RECORD

MUD RECORD

TIME RECORD

DRILL STEM RECORD

RUN NO.	SIZE	MAKE	SERIAL NO.	DEPTH IN	HOURS RUN	WEIGHT	VISC.	WTR. LOSS-C.C.	FILTER CAKE	PH.	MTL. ADDED (REMARKS)	DRILLING	CORING	OTHER	REPAIRS	TRIP	SIZE D. P.	SIZE COLL.	JTS. D. P.	FT.	KELLY DOWN	FT.	COLLARS	FT.	TOTAL	FT.
			PF9896		55 1/2											6										

REMARKS: 7:00-7:15 TESTING 7:15-8:45 T.O.W.T 8:45-9:00 BREAK TOOL 9:00-10:30 T.I.W.B 10:30-12:30 DRLG 12:30-1:30 CFS@3530 1:30-3:00 T.O.W.B

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3530						Kevin La Duke	8
						Riley Deutscher	8
						Mick Smyth	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.	8 Hrs - CO. TIME					
DEG. OFF						Stephen Hejny	8

BIT AND COREHEAD RECORD

MUD RECORD

TIME RECORD

DRILL STEM RECORD

RUN NO.	SIZE	MAKE	SERIAL NO.	DEPTH IN	HOURS RUN	WEIGHT	VISC.	WTR. LOSS-C.C.	FILTER CAKE	PH.	MTL. ADDED (REMARKS)	DRILLING	CORING	OTHER	REPAIRS	TRIP	SIZE D. P.	SIZE COLL.	JTS. D. P.	FT.	KELLY DOWN	FT.	COLLARS	FT.	TOTAL	FT.
1	7 7/8	Smith	PF9896	221	51 1/2											6 hrs										

REMARKS: 3:00-3:30 MUTT 3:30-4:30 T.I.WTT 4:30-8:30 DST#3 8:30-9:45 TOWTT 9:45-10:00 BDTT 10:00-11:00 T.I.W.B

DAILY DRILLING REPORT

43

CONTRACTOR

WW Drilling

Tuesday

DATE

4-17-07

COMPANY

Black Diamond

LEASE

Griffin "A"

WELL NO.

1-23

RIG NO.

6

DISTRICT

COUNTY

Norton

STATE

KS

D. P. STRING NO.

1

SIZE

4 1/2 FH

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3530	3644	Lime & shale	80	35	550	John Amlong	8
2:00 String wt.	72K					Kyle Smith	8
3:00 String wt.	72K					Weldon Koehn	8
SLOPE TEST		ACCIDENT: - (3 Hrs - CO. TIME)				Jerry Simms	8
@	FT.	Fuel 46"				Justin Woods	8
DEG. OFF		Water 3'					

BIT AND COREHEAD RECORD

MUD RECORD

TIME RECORD

DRILL STEM RECORD

RUN NO.	1	WEIGHT	9.4	DRILLING	4 3/4	SIZE D. P.	
SIZE	7 7/8	VISC.	51	CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER	Rig 1/4	JTS. D. P.	FT.
SERIAL NO.	PF9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	56 1/4	MTL. ADDED (REMARKS)		CT	3	TOTAL	FT.

REMARKS: 11:00-11:30 T.I.W.B 11:30-11:45 Rig 11:45-12:15 Drilling
12:15-12:45 CFS 12:45-5:00 Drly 5:00-6:15 CFS @ 3644 6:15-7:00 T.O.W.B

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3466	3644					Dusty Wertz	8
						Jeff Weigel	8
						Joel Beyers	8
SLOPE TEST		ACCIDENT: - (8 Hrs - CO. TIME)				Sid Deutscher	8
@	FT.						
DEG. OFF							

BIT AND COREHEAD RECORD

MUD RECORD

TIME RECORD

DRILL STEM RECORD

RUN NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PF9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN	56 1/4	MTL. ADDED (REMARKS)		NO TIME	8	TOTAL	FT.

REMARKS: 7:00-7:30 T.O.W.B 7:30-8:00 MUTT 8:00-9:00 T.I.W.T
9:00-12:00 TESTING 12:00-1:00 T.O.W.T 1:00-1:30 BREAK LAY TOOL
1:30-3:00 T.I.W.B

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3644	3725		80	35K	600	Ken LaDuke	8
00 Systs	70 000					Riley Deutscher	8
						Mick Deutscher	8
SLOPE TEST		ACCIDENT: - (All Hrs - CO. TIME)				Stephen Hejny	8
@	FT.						
DEG. OFF							

BIT AND COREHEAD RECORD

MUD RECORD

TIME RECORD

DRILL STEM RECORD

RUN NO.	1	WEIGHT	9.2	DRILLING	3 1/2	SIZE D. P.	
SIZE	7 7/8	VISC.	53	CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER	CoTime 4 1/4	JTS. D. P.	FT.
SERIAL NO.	PF9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	59 3/4	MTL. ADDED (REMARKS)		Job	1/4	TOTAL	FT.

REMARKS: 3:00-3:45 T.O.W.B 3:45-4:00 Job #1 4:00-6:00 Drly 6:00-7:15 CFS @ 3713
7:15-7:45 Drly 7:45-8:45 CFS @ 3720 8:45-9:00 Drly 9:00-10:05 CFS @ 3725
10:05-11:00 Trip start trip

DAILY DRILLING REPORT

43
 COMPANY Black Diamond Oil
 DISTRICT
 COUNTY Norton
 STATE KS
 CONTRACTOR WW Drilling
 LEASE Griffin A
 DATE Wednesday 4-18-07
 WELL NO. 1-23
 RIG NO. 6
 D. P. STRING NO. 1
 SIZE 4 1/2 FH

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3725	3725	Arbuckle				John Amlong	8
						Kyle Smith	8
						Weldon Koehn	8
SLOPE TEST		ACCIDENT:- (GIVE NAME)					
@	FT.	Fuel 4 1/2" (8 hrs - 10. YDME)				Jerry Simms	8
	DEG. OFF	Water 3'				Justin Woods	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PF9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	59 3/4	MTL. ADDED (REMARKS)			CT 8	TOTAL	FT.

REMARKS: 11:00-12:00 CTCH 12:00-1:15 TOWB 1:15-1:45 MUTT 1:45-3:00 TIWTT 3:00-7:00 DST #5

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3725	3735	Arbuckle				Dusty Wertz	8
						Jeff Weigel	8
						Joel Beyers	8
SLOPE TEST		ACCIDENT:- (GIVE NAME)					
@	FT.	(7 1/2 Hrs - 10. YDME)				Sid Deutscher	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING	1/2	SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PF9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN	60 1/4	MTL. ADDED (REMARKS)			10 TIME 7 1/2	TOTAL	FT.

REMARKS: 7:00-8:45 T.O.W.T.T Dump Fluid 8:45-9:15 BREAK LAY TOOL CLEAN UP 9:15-10:30 T.I.W.B 10:30-11:00 DRLG 11:00-12:00 CFS @ 3735 12:00-1:00 T.O.W.B 1:00-1:15 MUTT 1:15-2:30 T.I.W.T.T 2:30-3:00 TESTING

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3735	3735	*"Double Rounder"				Kevin LaDuke	8
						Riley Deutscher	8
						Mick Smyth	8
SLOPE TEST		ACCIDENT:- (GIVE NAME)					
@	FT.	(8 Hrs - 10 TIME)				Stephen Heiny	8

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING		SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PF 9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN	60 1/4	MTL. ADDED (REMARKS)			CT 8	TOTAL	FT.

REMARKS: 3:01-3:15 DST #6 3:15-4:15 TOWTT 4:15-4:45 WOO 4:45-6:30 TIWBB 6:30-7:45 CTCH 7:45-9:00 TOWBB 9:00-9:15 MUTT 9:15-10:30 TIWTT 10:30-11:00 DST #4

DAILY DRILLING REPORT
43

CONTRACTOR: **Ww Drilling** DATE: **4-19-07**
 COMPANY: **Black Diamond Oil** LEASE: **Griffin "A"** WELL NO.: **1-23** RIG NO.: **6**
 DISTRICT: COUNTY: **Norton** STATE: **KS** D. P. STRING NO.: **4** SIZE: **4 1/2 FH**

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3735		Arbuckle				John Amlong	8
						Kyle Smith	8
						Weldon Koehn	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.	fuel 39'		(7 1/2 Hrs - CO. TIME)		Jerry Simms 8	
	DEG. OFF	water 4'				Justin Woods 8	

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.	1	WEIGHT		DRILLING	72	SIZE D. P.	
SIZE	7 7/8	VISC.		CORING		SIZE COLL.	
MAKE	Smith	WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PF9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	221	PH.		TRIP		COLLARS	FT.
HOURS RUN	60 1/4	MTL. ADDED (REMARKS)		CT	7 1/2	TOTAL	FT.

REMARKS: 11:00-2:30 DST #7 3724-3735 2:30-4:15 TOW TT & clean floor 4:15-4:30 BDTT 4:30-5:00 WOD 5:00-6:30 T.I.W.B 6:30-7:00 Drilling

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3750	3820		80	35	550	Dusty Wertz	8
						Jeff Weigel	8
						Joel Beyers	8
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
10	@ 3820 FT.			(5 3/4 Hrs - CO. TIME)		Sid Deutscher 8	
	DEG. OFF						

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING	2	SIZE D. P.	
SIZE		VISC.		CORING	RIG 1/4	SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.	PF9896	FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN	62 1/4	PH.		TRIP	5 3/4	COLLARS	FT.
HOURS RUN	60 3/4	MTL. ADDED (REMARKS)		CO TIME		TOTAL	FT.

REMARKS: 7:00-8:00 DRLG 8:00-8:15 RIGV 8:15-9:15 DRLG 9:15-10:15 CFS @ 3820 10:15-10:30 DROP SHOT 10:30-12:00 T.O.W.B 12:00-3:00 LOGGING

FROM	TO	FORMATION	ROTARY SPEED	WEIGHT ON BIT	PUMP PRES.	NAME	HRS.
3820						Kevin LaDuke	12 1/2
						Biley Deutscher	12 1/2
						Mick Smyth	12 1/2
SLOPE TEST		ACCIDENT: - (GIVE NAME)					
@	FT.	11 Hrs - CO. TIME					
	DEG. OFF	RIG RELEASED @ 2:00 AM 4/20/07				Stephen Hejny 12 1/2	

BIT AND COREHEAD RECORD		MUD RECORD		TIME RECORD		DRILL STEM RECORD	
RUN NO.		WEIGHT		DRILLING	11	SIZE D. P.	
SIZE		VISC.		CORING		SIZE COLL.	
MAKE		WTR. LOSS-C.C.		OTHER		JTS. D. P.	FT.
SERIAL NO.		FILTER CAKE		REPAIRS		KELLY DOWN	FT.
DEPTH IN		PH.		TRIP		COLLARS	FT.
HOURS RUN		MTL. ADDED (REMARKS)		CT	11	TOTAL	FT.

REMARKS: 3:00-4:15 Logging 4:15-7:00 Lay Down DC & Run Plug Stds 7:00-8:00 Wait on Cementers 8:00-12:00 Lay Down Pipe Logging Lay Down Kelly Plug Borthole 12:00-3:00 Jet Pits & Tear down