

Operator Name: Black Diamond Oil, Inc. Lease Name: Roberts Well #: 1
 Sec. 17 Twp. 7 S. R. 23 East West County: Graham

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Micro, Dual Induction and compensated density neutron	<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>2126</td> <td>+313</td> </tr> <tr> <td>Topeka</td> <td>3462</td> <td>-1023</td> </tr> <tr> <td>Heebner</td> <td>3665</td> <td>-1226</td> </tr> <tr> <td>Lansing KC</td> <td>3700</td> <td>-1261</td> </tr> <tr> <td>Base KC</td> <td>3901</td> <td>-1462</td> </tr> </table>	Name	Top	Datum	Anhydrite	2126	+313	Topeka	3462	-1023	Heebner	3665	-1226	Lansing KC	3700	-1261	Base KC	3901	-1462
Name	Top	Datum																	
Anhydrite	2126	+313																	
Topeka	3462	-1023																	
Heebner	3665	-1226																	
Lansing KC	3700	-1261																	
Base KC	3901	-1462																	

CASING RECORD <input 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	12.25	8.625	23	265	Common	185	3% CC
Production	7.875	5.5	15.5	3974	SMD	470	

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
4	3830-32	2000 Gal 15% MCA	
1	3890,3878,3866,3860	2000 Gal 15% MCA & 4000 Gal 20% NE	
1	3780,3767,3757,3740	2000 Gal 15% MCA	

TUBING RECORD:		Size: <u>2.875</u>	Set At: <u>3920</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>1/2/2011</u>		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. <u>30</u>	Gas Mcf <u>0</u>	Water Bbls. <u>50</u>	Gas-Oil Ratio	Gravity <u>32</u>

DISPOSITION OF GAS: <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3740-3890</u>
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RECEIVED
 JAN 27 2011
 KCC WICHITA

API # 15-065-23655-00-00

Operator: Black Diamond Oil, Inc.

Well Name & No: Roberts #1

Location: 1,570' FNL & 980' FWL, Section 17-7s-23w

County: Graham

State: Kansas

Rig No.: 10 Contractor: WW Drilling, LLC

Tool Pusher: Marty Mills 785-731-6251

Drill Collars: 14 Size: 6 1/4 x 2 1/4

Rig Phone: 785-259-4570

Make Pump: National K-380

Liner & Stroke: 6 x 14

Spud 10/25/2010 @ 1:30 PM

Approx. TD: 4000-Arb.

Elevation: 2434

K.B. 2439

KB Hole Complete: 10/30/2010 @ 4:15 am

Mud Co.: Andy's Mud

Mud Engineer: Kirk Werth

Water Well

Date	10/25/10	10/26/10	10/27/10	10/28/10	10/29/10	10/30/10	10/31/10			
Days	1-Spud	2-WOC	3-drig	4-drlg	5-dst #1	6-LDDP	7-done			
Depth		265	2690	3670	3940	3975	3975			
Ft. Cut		265	2425	980	270	35				
D.T.		8-woc								
D.T.				1-dwks		floline-1/4				
C.T.		5	1.25		14.75	21.5	8.25			
Bit Wt.			30,000	35,000	38,000	38,000				
RPM			80	80	80	85				
Pressure			850	1000	1000	900				
SPM			59	59	58	58				
Mud Cost				7495	7495	7936				
Mud Wt.			9.4	9.2	9.4	9.4				
Viscosity			29	48	55	52				
Water Loss				8	8	8.8				
Chlorides				1000	1000	2000				
L.C.M.			trace	1#	1#	1#				
Dev. Sur		3/4"@265			1"-3940					
Dev. Sur										
Fuel	2650	2560	2259	3242	2969	2854	2754			
Water-Pit	full	3/4.	full	2.5'	3'	full				
ACC Bit Hrs.			21.25	43	52	53.75				
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm				
Weather	cloudy	clear	cloudy	clear	clear	clear	clear			

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	265	265	1.5	1.5	RR	C14782	
2	7 7/8	Sm - F-27	3975	3710	53.75	55.25	New	PS 2957	71.9 fph
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
264	8 5/8	160	Common, 3% cc, 2% gel	5:45PM		Quality Did Circ. Fell
25'	1"	25 sx	Common, 3% cc,	4:15 AM	8:15 AM	Allied Did Circulate
3966	5 1/2	470	SMD	1:15 PM	3:15 pm	Swift - did circulate

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	3805-3937	60	60	60	60	186' gip, 123' gocm, 134' go
2	3657-3718	30	30	30	30	619' mcw
3						
4						
5						
6						
7						
8						
9						

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Surface Casing Furnished by: Midwestern Pipe works: 6 joints 8 5/8, 23 #, tally 256.04 Set @ 264' **KCC WICHITA**
 Remarks: Spud @ 1:30 PM 10/25/2010. Strap & weld surface, Cement fell 25'. Wait on cement trucks (2.25 hr) Cement 25sx. WOC -4 hrs. Anhydrite @ 2129-2165', Displaced @ 3072', (600 bbls.) RTD 3940', short trip 42 stands, (2.5 hr), pipe strap 4.67 short, LTD 3937', logged (3.75 hr) Run straddle. drilled 35', ran 95 joints 5 1/2, plug down @ 1:15 pm, rig released @ 3:15 pm on 10/30/2010.



WW DRILLING, LLC

PO Box 307 WaKeeney, KS 67672

Office: 785-743-6774 Fax: 785-743-6752

PIPE & TUBING TALLY BOOK

DATE 10-29 COMPANY Black Diamond LEASE Roberts WELL NO. 1
 SIZE 5 1/2" WEIGHT 15.5 MAKE _____ GRADE _____ RANGE S-3
 THREAD _____ COLLAR LENGTH _____ CONDITION NEW TRANSFER NOS. _____ OVERALL TALLY
 THREADS OFF TALLY

Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd	Joint No.	Feet	Hnd
1	43	37	21	41	29	41	41	29	61	35	20	81	34	35	101			121			141		
2	44	52	22	43	93	42	43	93	62	38	80	82	35	95	102			122			142		
3	35	60	23	43	53	43	43	53	63	34	16	83	34	74	103			123			143		
4	37	30	24	44	48	44	44	48	64	44	49	84	35	86	104			124			144		
5	41	3	25	44	29	45	44	29	65	34	99	85	44	22	105			125			145		
6	34	40	26	44	50	46	44	50	66	40	41	86	34	10	106			126			146		
7	30	79	27	44	38	47	44	38	67	44	60	87	44	97	107			127			147		
8	44	44	28	41	75	48	44	53	68	44	-	88	44	48	108			128			148		
9	43	43	29	44	51	49	44	51	69	43	30	89	43	30	109			129			149		
10	44	13	30	44	44	50	44	44	70	44	20	90	44	14	110			130			150		
11	44	09	31	43	40	51	34	26	71	44	60	91	34	00	111			131			151		
12	44	51	32	44	50	52	44	52	72	44	50	92	44	72	112			132			152		
13			33	43	74	53	33	80	73	34	26	93	44	55	113			133			153		
14	44	54	34	44	54	54	44	54	74	34	95	94	44	54	114			134			154		
15	43	75	35	43	40	55	43	40	75	44	09	95	44	52	115			135			155		
16	44	50	36	44	99	56	34	12	76	34	81	96			116			136			156		
17	44	54	37	44	49	57	44	49	77	44	-	97			117			137			157		
18	41	66	38	44	56	58	44	49	78	42	54	98			118			138			158		
19	33	28	39	34	30	59	44	58	79	44	47	99			119			139			159		
20	44	50	40	44	53	60	44	45	80	43	80	100			120			140			160		

826.65 856.62 856.61 817.83 474.92 TOTALS

Drillers TD 3948 Loggers TD 3937 3834.09

No. Jts. Run 95 Size 5 1/2 Wt. 15.5 # Tested 4400 #

Cent @ 1, 3, 5, 7, 9, 11, 13, 48

Basket @ 1, 44, 44 D. V. Tool @ _____ Port Collar @ _____

Cemented by SMF CONCRETING SKs. Type Cement 470 SX SMD 500 GALS MUD FLUSH 20 bbls L

Flush 500 GALS MUD FLUSH 20 SX

Jts. To Be Left Out NONE

Shoe Jt. 30.74 Pipe Set @ 3966.40 Off Bottom 9'

Plug Down 1:15 P.M AM PM 1 1 Rig Release @ _____ AM PM

Job by Doc Buelter

Pipe Left On Location NONE Jts. Talley _____ Threads Of _____

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PIPE TALLY

Date 10/25/10

Black Diamond Duo

Company

Roberts #1 I-70 - Gordon East - 3 1/2 South

Lease to 4 Corner Rd - 1 1/2 E - South into

	Size <u>8 7/8</u>		New <input checked="" type="checkbox"/>		Used		Limited Service <input checked="" type="checkbox"/>		Weight <u>23</u>		Grade		Type		Range <u>R23</u>			
	Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10								
	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.	Feet	In.
1	43	-																
2																		
3																		
4																		
5	43	-																
6	4250																	
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
Total	25750																	

Subtotal this page

Total Number of Joints 615

GRAND TOTAL 25750

Tallied By [Signature]

Received In Good Order By [Signature]

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JAN 27 2011

KCC WICHITA

Casing Head & Accessories

Other

Limited Service and/or Used Materials are sold "as is, without warranty either expressed or implied."

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 4559

Date	10-25-10	Sec.	17	Twp.	7	Range	23	County	Graham	State	KS	On Location		Finish	5:45PM
Lease	Roberts	Well No.	2	Location Hill City N 1/2 1/2 4W 2S 1/4 E S 1/2 T10											
Contractor	WW # 10							Owner							
Type Job	Surface							To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Hole Size	12 1/4		T.D.		265		Charge To: Black Diamond Oil								
Csg.	8 5/16		23 1/2		Depth 265		Street								
Tbg. Size			Depth				City								
Tool			Depth				State								
Cement Left in Csg.	10-15'		Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		16 bbls		Cement Amount Ordered 16000m 350cc 250gal								

EQUIPMENT

Pumptrk	1	No.	Cementer	Branzon	Common
			Helper		
Bulktrk	12	No.	Driver	Rick	Poz. Mix
			Driver		
Bulktrk	14	No.	Driver	Doug	Gel
			Driver		

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Koi-Seal
D/V or Port Collar	Mud CLR 48
Cement Did Circ'd	CFL-117 or CD110.CAF 38
	Sand
	Handling
	Mileage

FLOAT EQUIPMENT

Thank You's	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge
	Mileage

X Signature *[Handwritten Signature]*

Tax RECEIVED
Discount
Total Charge 2011
KCC WICHITA

ALLIED CEMENTING CO., LLC. 035499

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

SERVICE POINT: Osage K

DATE <u>10/26/10</u>	SEC. <u>17</u>	TWP. <u>7</u>	RANGE <u>23</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00</u>	JOB FINISH <u>4:15</u>
LEASE <u>Roberts</u>	WELL # <u>1</u>	LOCATION <u>Hill Co. 3W SW 1/4 NW 1/4</u>			COUNTY <u>Graham</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)			<u>E 1/16, S 1/8</u>				

CONTRACTOR

TYPE OF JOB 1" Cement 20 Surface

HOLE SIZE 12 1/4 T.D.

CASING SIZE 8 1/2 DEPTH

TUBING SIZE DEPTH

DRILL PIPE 4 1/2 DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 50.6 - 390.00

EQUIPMENT

PUMP TRUCK CEMENTER Alan

422 HELPER Wayne

BULK TRUCK

394 DRIVER Darren

BULK TRUCK

DRIVER

COMMON <u>25</u>	@ <u>15.45</u>	<u>386.25</u>
POZMIX	@	
GEL	@	
CHLORIDE <u>2</u>	@ <u>57.00</u>	<u>116.40</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>52 SK</u>	@ <u>2.40</u>	<u>124.80</u>
MILEAGE <u>100 SK/mile</u>		<u>492.00</u>
TOTAL		<u>1069.20</u>

REMARKS:

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE 999.00

EXTRA FOOTAGE

MILEAGE 85 @ 7.00 595.00

MANIFOLD

RECEIVED

JAN 27 2011

TOTAL 1594.00

CHARGE TO: Black Diamond

STREET

CITY STATE ZIP

KCC WICHITA

PLUG & FLOAT EQUIPMENT

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) 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 and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

	@	
	@	
	@	
	@	
	@	
TOTAL		

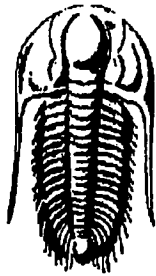
PRINTED NAME Mary Milk

SIGNATURE Mary Milk

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Inc.**

PO Box 641
Hays, KS 67601

ATTN: Tony Richardson

17-7-23 Graham, KS

Roberts #1

Start Date: 2010.10.29 @ 06:20:00

End Date: 2010.10.29 @ 14:15:00

Job Ticket #: 38424 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Black Diamond Inc.

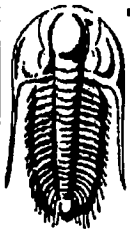
Roberts #1

17-7-23 Graham, KS

DST # 1

LKC H-L

2010.10.29



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Black Diamond Inc.

Roberts #1

PO Box 641
Hays, KS 67601

17-7-23 Graham, KS

Job Ticket: 38424 DST#: 1

ATTN: Tony Richardson

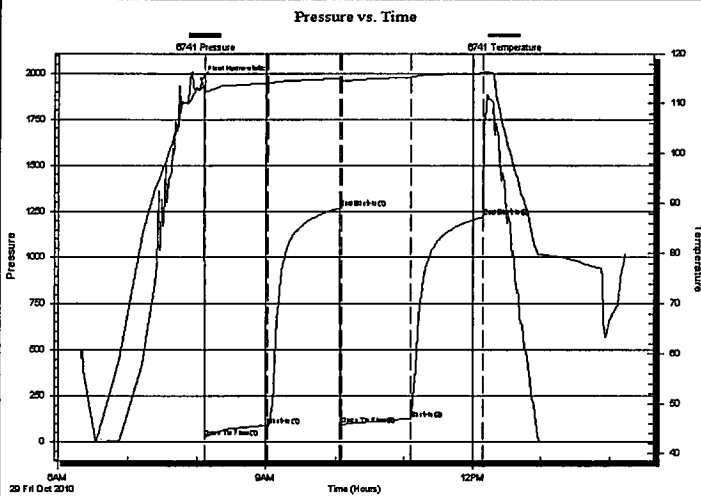
Test Start: 2010.10.29 @ 06:20:00

GENERAL INFORMATION:

Formation: **LKC H-L**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: **08:06:30**
 Time Test Ended: **14:15:00**
 Interval: **3805.00 ft (KB) To 3937.00 ft (KB) (TVD)**
 Total Depth: **3937.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole**
 Tester: **Chuck Kreutzer Jr.**
 Unit No: **36**
 Reference Elevations: **2441.00 ft (KB)**
2437.00 ft (CF)
KB to GR/CF: 4.00 ft

Serial #: 6741 **Inside**
 Press@RunDepth: **127.28 psig @ 3836.00 ft (KB)**
 Start Date: **2010.10.29** End Date: **2010.10.29**
 Start Time: **06:20:01** End Time: **14:15:00**
 Capacity: **8000.00 psig**
 Last Calib.: **2010.10.29**
 Time On Btm:
 Time Off Btm: **2010.10.29 @ 08:03:00**

TEST COMMENT: IF: Fair blow, Built to B.O.B in 50 mins.
 IS: Bled off, Blow back after 10 mins. Died after 2 mins.
 FF: Weak blow, Built to 4 in.
 FS: Bled off, Blow back after 10 mins. Weak surface.



PRESSURE SUMMARY

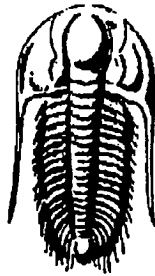
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1970.14	113.25	Final Hydro-static
4	23.86	112.60	Open To Flow (1)
59	90.42	114.24	Shut-In(1)
121	1266.58	115.12	End Shut-In(1)
122	95.20	114.69	Open To Flow (2)
183	127.28	115.36	Shut-In(2)
247	1220.88	116.17	End Shut-In(2)

Recovery

Length (ft)	Description	Volume (bbl)
123.00	gocm-5%g35%o60%m	0.60
144.00	go-10%g90%o	2.02
0.00	186ft. gas in pipe	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Inc.**

PO Box 641
Hays, KS 67601

ATTN: Tony Richardson

17-7-23 Graham, KS

Roberts #1

Start Date: 2010.10.29 @ 18:00:00

End Date: 2010.10.30 @ 00:20:00

Job Ticket #: 38425 DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Black Diamond Inc.

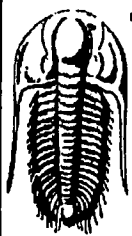
Roberts #1

17-7-23 Graham, KS

DST # 2

Toronto-LKC-A

2010.10.29



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Black Diamond Inc.

Roberts #1

PO Box 641
Hays, KS 67601

17-7-23 Graham, KS

Job Ticket: 38425

DST#: 2

ATTN: Tony Richardson

Test Start: 2010.10.29 @ 18:00:00

GENERAL INFORMATION:

Formation: **Toronto-LKC-A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:26:30

Time Test Ended: 00:20:00

Test Type: Conventional Straddle

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: **3657.00 ft (KB) To 3715.00 ft (KB) (TVD)**

Reference Elevations: 2441.00 ft (KB)

Total Depth: 3937.00 ft (KB) (TVD)

2437.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 4.00 ft

Serial #: 6741 Outside

Press@RunDepth: 400.40 psig @ 3658.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.10.29

End Date:

2010.10.30

Last Calib.: 2010.10.30

Start Time: 18:00:01

End Time:

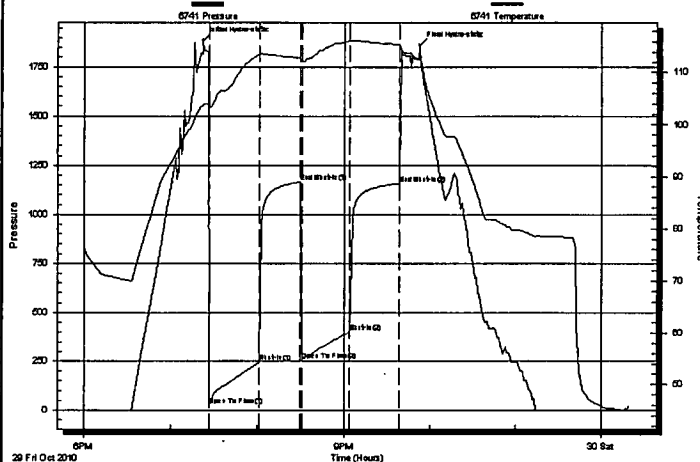
00:20:00

Time On Btm: 2010.10.29 @ 19:22:00

Time Off Btm: 2010.10.29 @ 21:52:30

TEST COMMENT: IF: Strong blow, Built to B.O.B in 8 mins.
IS: Bled off, No blow back
FF: Strong blow, Built to B.O.B in 5 mins.
FS: Bled off, No blow back

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1885.76	103.70	Initial Hydro-static
5	25.50	103.23	Open To Flow (1)
40	245.94	113.45	Shut-In(1)
68	1166.04	112.82	End Shut-In(1)
69	255.67	112.06	Open To Flow (2)
102	400.40	116.07	Shut-In(2)
137	1158.01	115.37	End Shut-In(2)
151	1861.58	112.57	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
123.00	w cm-25%w 75%m	0.60
496.00	mcw -25%m75%w	6.96

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

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