



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

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 #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____-_____-_____- Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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)

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 #: _____

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: _____ Date: _____



1090035

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other (Explain) _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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API # 15-163-24012-00-00

Operator: Black Diamond Oil, Inc. Well Name & No: Pettijohn #1
 Location: 1535' FNL & 1945' FWL Section 30-7S-19W County: Rooks State: Kansas
 Rig No.: 6 Contractor: WW Drilling, LLC Tool Pusher: John Mayers 785-259-4392
 Drill Collars: 14 Size: 6 1/4 x 2 1/4 Rig Phone: 785-259-6941
 Make Pump: National K-380 Liner & Stroke: 6 x 14 Spud 2/27/2012 @ 1:45 PM
 Approx. TD: 3650 Elevation: 1987 K.B. 1992 KB Hole Complete:
 Mud Co.: Andy's Mud Mud Engineer: Ken Rupp Water Haul

Date	02/27/12	02/28/12	02/29/12	03/01/12	03/02/12	03/03/12	03/04/12		
Days	1-spud	2-drlg	3-drlg	4-dst #1	5-drlg	6-CFS	7-done		
Depth		768	2532	3121	3265	3437	3441		
Ft. Cut		768	1764	589	144	172	4		
D.T.		8-woc							
D.T.									
C.T.				5.25	17.5	16.25	20.5		
Bit Wt.	all	25,000	35000	38000	38000	38,000	38,000		
RPM	100	90	85	85	85	85	85		
Pressure	450	650	850	850	800	800	850		
SPM	60	60	60	60	60	60	60		
Mud Cost					7,723	7723	8008		
Mud Wt.		8.8	9.2	8.9	9	9.2	9.1		
Viscosity		28	29	55	55	55	57		
Water Loss					7.6	8	8		
Chlorides					800	1000	1,000		
L.C.M.				2#	2#	1.5 #	1.5#		
Dev. Sur		218 - 1/2"			3121-3/4"		3/4"-3441		
Dev. Sur									
Fuel	2430	2349	1944	3321	2997	2673	2430		
Water-Pit		3'	3'	4'	4'	4'	3'		
ACC Bit Hrs.		5	27.75	45.25	51.5	59.25	59.5		
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm	sh-lm		
Weather	clear	cloudy	clear	clear	ptly cldy	clear	clear		

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	218	218	2.5	2.5	RR	PD 6528	
2	7 7/8	Sm - F-27	3441	3223	59.5	62	New	PX 0028	
3								55.5 FPH	
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
218	8 5/8	150	Common, 3% cc, 2% gel	6:00 PM	2:00 AM	Allied Cem. Did circ.
3440	5 1/2	500	QMD	2:00am	3/4/2012	Quality Cementing

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	3086-3121	30	30	30	30	1' oil 60' ocm
2	3114-3145	30	30	30	30	100' gas 594' gassy-oil
3	3248-3279	15	30	15	30	660' gip, 778' co, 310' wcmo
4						
5						
6						
7						
8						
9						

Surface Casing Furnished by: Midwest Pipe - Milden delivered - 5 joints 23# 8 5/8, tally 211.16 set @ 217'

Remarks: Strap & weld surface by WW, Anhydrite 1489' - 1525', Short trip 35 stds @ 3121 (1.75Hrs) Pipe strap @ 3121, (0.99 board short) short trip 10 stds (1/2 hr). RTD 3441', short trip 10 stands (1/2 hr). LTD 3444' by Superior, logged 4.25 hrs. Ran 5 1/2 set @ 3440'. Pipe did not land. Plug down @ 2:00 am, 3/4/12. Rig released @ 4:00 am.

ALLIED OIL & GAS SERVICES, LLC 056917

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

Russell

DATE <u>2.27.12</u>	SEC <u>30</u>	TWP. <u>7</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>3:30</u>	JOB FINISH <u>6:00</u>
LEASE <u>Pett. John</u>	WELL # <u>1</u>	LOCATION <u>Stockton 10W, N4 W1.5</u>			COUNTY <u>Rock</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)				<u>with info</u>			

CONTRACTOR

TYPE OF JOB <u>Surface</u>
HOLE SIZE <u>12 1/4</u> T.D. <u>218</u>
CASING SIZE <u>8 1/2</u> DEPTH <u>218.16</u>
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT <u>15'</u>
CEMENT LEFT IN CSG. <u>15'</u>
PERFS.
DISPLACEMENT <u>12.9 bbl</u>

OWNER

CEMENT			
AMOUNT ORDERED	<u>150 sk class A</u>	<u>31.4</u>	
	<u>2% Gel</u>		
COMMON	<u>150</u>	@ <u>16.25</u>	<u>2437.50</u>
POZMIX		@	
GEL	<u>3</u>	@ <u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>5</u>	@ <u>58.20</u>	<u>291.00</u>
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	<u>150</u>	@ <u>2.25</u>	<u>337.50</u>
MILEAGE	<u>70 x 158 x .11</u>		<u>1216.60</u>
			<u>4364.35</u>

EQUIPMENT

PUMP TRUCK # <u>417</u>	CEMENTER <u>Todd</u>
	HELPER <u>Wendy</u>
BULK TRUCK # <u>473</u>	DRIVER <u>Chris</u>
BULK TRUCK #	DRIVER

REMARKS:

Estimated circulation, pumped 150 sk class A 3% gel 2% gel, Displaced 13 bbls
Cement circulated to surface
plug down at 6:00

SERVICE

DEPTH OF JOB	<u>218</u>		
PUMP TRUCK CHARGE			<u>1125.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>MILV 70</u>	@ <u>7.00</u>	<u>490.00</u>
MANIFOLD		@	
	<u>MILV 70</u>	@ <u>4.00</u>	<u>280.00</u>
		@	
		@	
			<u>1895.00</u>

CHARGE TO: Black Diamond
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@		
	@		

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

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

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

No. 5455

3-4-12

Date	3-3-12	Sec.	30	Twp.	7	Range	19	County	Rooks	State	KS	On Location		Finish	1:55 AM
Lease	Pettijohn	Well No.	1			Location Hwy 24 + Webster Dam, 3W, 3/4									
Contractor	W-W #6				Owner Law, S/Into										
Type Job	Production				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	7 7/8"		T.D.		3441'		Charge To				Black Diamond				
Csg.	5/2"		Depth		3445'		Street								
Tbg. Size			Depth				City				State				
Tool			Depth												
Cement Left in Csg.	43.78		Shoe Joint		43.78'		The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line			Displace		83 BUS		Cement Amount Ordered				500 sx QMDC 1/4# Flo Seal				

EQUIPMENT

Pumptrk	15	No.	Cementer	Cisco	500 gal mud Clear 48
			Helper		Common 500
Bulktrk	12	No.	Driver	Doug	Poz. Mix
			Driver		
Bulktrk	p.u.	No.	Driver	Rick	Gel.
			Driver		

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole 30SK	Hulls
Mouse Hole N/A	Salt
Centralizers 1, 3, 5, 7, 9, 11, 45	Flowseal 125 #
Baskets 2, 6, 46	Kol-Seal
D/V or Port Collar	Mud CLR 48 500 gal
pipe on bottom, break Circulation	CFL-117 or CD110 CAF 38
pump 500 gal Mud Clear 48	Sand
plug Rathole w/ 30 sx QMDC 1/4# F.S.	Handling 500
Cement 5/2" Casing with	Mileage -
470 sx QMDC 1/4# Flo-seal,	
shut down, wash pump & lines	
Released plug + Displaced with	
83 BUS of water. Released +	
Held. Lift pressure 800 #	
Land plug to 1500 #	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	7
Baskets	3
AFU Inserts	
Float Shoe	1
Latch Down	1
	1- Rotating head Assy.
Cement did Circulate.	

Pumptrk Charge 49 prod long string
Mileage 49

X Signature *Joe Rich*
John Mayer
Rick Hein

Tax
Discount
Total Charge



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Black Diamond

30 7n 19 Rooks Ks

P.O. Box 641
Hays Ks. 67601

Pettijohn 1

Job Ticket: 42050

DST#: 1

ATTN: Jeff Lawler

Test Start: 2012.03.01 @ 07:30:00

GENERAL INFORMATION:

Formation: **Oread**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:09:30

Time Test Ended: 12:46:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreuzer Jr.

Unit No: 36

Interval: 3086.00 ft (KB) To 3121.00 ft (KB) (TVD)

Reference Elevations: 1992.00 ft (KB)

Total Depth: 3121.00 ft (KB) (TVD)

1987.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6741 Outside

Press @ Run Depth: 42.75 psig @ 3088.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.01

End Date: 2012.03.01

Last Calib.: 2012.03.01

Start Time: 07:30:05

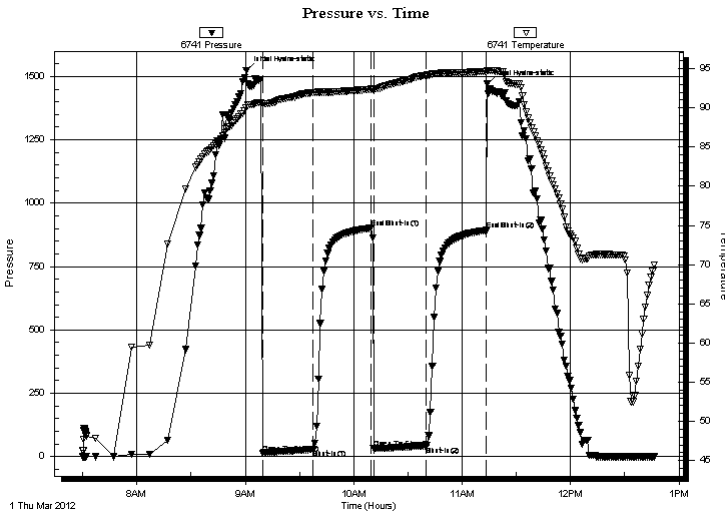
End Time: 12:46:29

Time On Btm: 2012.03.01 @ 09:00:30

Time Off Btm: 2012.03.01 @ 11:14:00

TEST COMMENT: IF: Weak blow, Built to 3/4 in. over 30mins.
IS: No blow back over 30 mins.
FF: Weak blow, Surface, Died in 2 mins.
FS: Non blow back over 30 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1524.05	90.04	Initial Hydro-static
9	14.90	90.51	Open To Flow (1)
37	28.65	91.95	Shut-In(1)
69	901.99	92.38	End Shut-In(1)
71	32.63	92.25	Open To Flow (2)
100	42.75	94.16	Shut-In(2)
133	893.12	94.63	End Shut-In(2)
134	1469.65	94.78	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	ocm-30%o70%m	0.30
2.00	oil-100%	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond

30 7n 19 Rooks Ks

P.O. Box 641
Hays Ks. 67601

Pettijohn 1

Job Ticket: 42050

DST#: 1

ATTN: Jeff Lawler

Test Start: 2012.03.01 @ 07:30:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 56.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 800.00 ppm

Filter Cake: 2.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	ocm-30%o70%m	0.295
2.00	oil-100%	0.010

Total Length: 62.00 ft Total Volume: 0.305 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6741

Outside Black Diamond

Petijohn 1

DST Test Number: 1

