



KANSAS CORPORATION COMMISSION 1064128
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 # 31714
Name: Novy Oil & Gas, Inc.
Address 1: 125 N MARKET STE 1230
Address 2: _____
City: WICHITA State: KS Zip: 67202 + 1712
Contact Person: Michael Novy
Phone: (316) 265-4651
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Dave Goldak
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 #: _____

<u>08/16/2011</u>	<u>08/22/2011</u>	<u>09/19/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-155-21576-00-00
Spot Description: _____
S2 N2 SW Sec. 17 Twp. 22 S. R. 8 East West
1650 Feet from North / South Line of Section
1320 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Reno
Lease Name: Diana Well #: 1
Field Name: Sterling SW
Producing Formation: Mississippi conglomerate
Elevation: Ground: 1701 Kelly Bushing: 1705
Total Depth: 3638 Plug Back Total Depth: 3638
Amount of Surface Pipe Set and Cemented at: 263 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: 51000 ppm Fluid volume: 1000 bbls
Dewatering method used: Evaporated
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: Deanna Garlick Date: 12/19/2011



1064128

Operator Name: Novy Oil & Gas, Inc. Lease Name: Diana Well #: 1
 Sec. 17 Twp. 22 S. R. 8 East West County: Reno

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: Diff, Gr, CDL, CN, CAI Mirco,	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>2936</td> <td>-1231</td> </tr> <tr> <td>Lancing</td> <td>3120</td> <td>-1415</td> </tr> <tr> <td>BKC</td> <td>3455</td> <td>-1750</td> </tr> <tr> <td>Conglomerate</td> <td>3536</td> <td>-1831</td> </tr> <tr> <td>Kinderhook</td> <td>3572</td> <td>-1867</td> </tr> </table>	Name	Top	Datum	Heebner	2936	-1231	Lancing	3120	-1415	BKC	3455	-1750	Conglomerate	3536	-1831	Kinderhook	3572	-1867
Name	Top	Datum																	
Heebner	2936	-1231																	
Lancing	3120	-1415																	
BKC	3455	-1750																	
Conglomerate	3536	-1831																	
Kinderhook	3572	-1867																	

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	12.25	8.625	23	263	common	250	3%CC, 2%GEL
Production	7.875	5.5	15.5	3635	60/40 poz	150	10# gil, 1/4# sel

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	3530 -32 & 3536 -40	1000 g mac	3540

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. <u>09/19/2011</u>		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <u>swab</u>	
Estimated Production Per 24 Hours	Oil Bbls. <u>5</u>	Gas Mcf <u>0</u>	Water Bbls. <u>1000</u>
		Gas-Oil Ratio	Gravity

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 checked="" 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: <u>3530-32</u> <u>3536-40</u>
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ALLIED CEMENTING CO., LLC. 038152

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

SERVICE POINT:
Russell KS

DATE <u>8-16-2011</u>	SEC. <u>17</u>	TWP. <u>22</u>	RANGE <u>8</u>	CALLED OUT	ON LOCATION	JOB START <u>9:00 PM</u>	JOB FINISH <u>9:30 PM</u>
LEASE <u>Diana</u>	WELL# <u>1</u>	LOCATION <u>GREAT Bend KS, S. To Hwy 140</u>			COUNTY	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>30 E water</u>			

CONTRACTOR <u>Royal DRUG, Rig#</u>	OWNER
TYPE OF JOB <u>Cement Surface</u>	CEMENT
HOLE SIZE <u>12 1/4</u>	T.D. <u>263'</u>
CASING SIZE <u>8 5/8</u>	DEPTH <u>263'</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	COMMON
PERFS.	POZMIX
DISPLACEMENT <u>15 1/2 / BBL</u>	GEL
	CHLORIDE
	ASC

EQUIPMENT	
PUMP TRUCK CEMENTER <u>Glenn</u>	
# <u>417</u> HELPER <u>woody</u>	
BULK TRUCK	
# <u>410</u> DRIVER <u>NICK</u>	
BULK TRUCK	
# DRIVER	
HANDLING	
MILEAGE	

REMARKS:

Ran 6 JTS OF New 23 # CSG

Set @ 263' Received Circulation

& Cement w/ 250 sx Comm

3% cc & 2% Gel Displace

15 1/2 BBL H₂O & Shot IN

@ 350#.

Cement DID circulate

to Surface! THANKS

CHARGE TO: Noxy Oil & Gas INC.

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

To Allied Cementing Co., LLC.

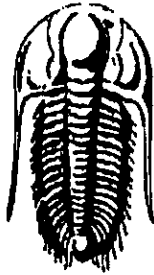
You are hereby requested to rent cementing equipment

Customer <i>Navy Oil & Gas, Inc</i>	Lease No.	Date <i>8-22-11</i>
Lease <i>DIANA</i>	Well # <i>1</i>	
Field Order # <i>04488A</i>	Station <i>Pratt</i>	Casing <i>5 1/2</i>
Type Job <i>5 1/2" L.S.</i>	Depth <i>3632</i>	County <i>RENO</i>
	Formation <i>CMW</i>	State <i>Ks</i>
	TD <i>3633 LTD</i>	Legal Description <i>17-22-8</i>

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size <i>5 1/2</i>	Tubing Size	Shots/Ft		Acid <i>12-BB1 mud Flush</i>	RATE	PRESS	ISIP	
Depth <i>3632</i>	Depth	From	To <i>150</i>	Pre Pad <i>30 SKs 60/40 Por</i>	Max <i>@ 14.3#</i>		5 Min.	
Volume <i>86</i>	Volume	From	To	Pad	Min		10 Min.	
Max Press <i>1500#</i>	Max Press	From	To <i>30</i>	Frac <i>30 SKs 60/40 Por</i>	Avg <i>R.H.</i>		15 Min.	
Well Connection <i>PC</i>	Annulus Vol.	From	To <i>20</i>	SKs <i>60/40 Por</i>	HHP Used <i>M.H.</i>		Annulus Pressure	
Plug Depth <i>3613</i>	Packer Depth	From	To	Flush <i>Disp. H2O</i>	Gas Volume		Total Load	

Customer Representative <i>(Kurt) Mike Navy</i>	Station Manager <i>Scotty</i>	Treater <i>Allen</i>
Service Units <i>28443 19889 19842 19960 19918</i>		
Driver Names <i>Allen James Anthony Dale Phye</i>		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>10:30 PM 8-22-11</i>					<i>on loc. discuss safety, setup, plan for rig laying down drill pipe.</i>
<i>12:30 AM</i>					<i>Start 5 1/2" casing 15.5# shoe joint 19.20 w/ float shoe + L.O. Baffle in collar.</i>
					<i>cent- 2-3-4-5-7-9 - Basket 1-8</i>
					<i>Tag Bottom, Pickup 1' FT</i>
<i>200</i>					<i>Hook up + circ w/ Rig.</i>
<i>230</i>	<i>400#</i>		<i>5</i>	<i>5</i>	<i>Pump 5 Bbls #20 spacer</i>
			<i>12</i>	<i>5</i>	<i>Pump 12 Bbls mud flush</i>
			<i>5</i>	<i>5</i>	<i>Pump 5 Bbls H2O spacer</i>
			<i>38</i>	<i>5</i>	<i>Mix + pump 150 SKs 60/40 Por</i>
					<i>Finish mix washout Pump + Line</i>
<i>247</i>				<i>7</i>	<i>Drop L.O. Plug. Start Disp.</i>
	<i>600#</i>			<i>7</i>	<i>Caught Lift w/ 57 Bbls out</i>
<i>300</i>	<i>1500#</i>		<i>86</i>	<i>5</i>	<i>Plug down</i>
	<i>0#</i>				<i>Release PST 0#</i>
					<i>Plug Rat hole w/ 30 SKs 60/40 Por</i>
					<i>Plug mouse hole w/ 20 SKs 60/40 Por</i>
					<i>Washup + Rackup</i>
<i>345</i>					<i>Job complete.</i>
					<i>thanks Allen, James, Dale</i>



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas Inc.**

125 N. Market, Ste. 1230
Wichita Ks. 67202

ATTN: David Goldak

17-22s-8w Reno Ks.

Diana #1

Start Date: 2011.08.20 @ 16:56:38

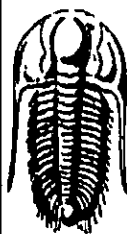
End Date: 2011.08.21 @ 03:35:53

Job Ticket #: 43958 DST #: 1

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Novy Oil & Gas Inc.
125 N. Market, Ste. 1230
Wichita Ks. 67202
ATTN: David Goldak

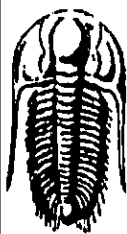
Diana #1
17-22s-8w Reno Ks.
Job Ticket: 43958 DST#: 1
Test Start: 2011.08.20 @ 16:56:38

Tool Information

Drill Pipe:	Length: 3505.00 ft	Diameter: 3.80 inches	Volume: 49.17 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 59000.00 lb
			<u>Total Volume: 49.17 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	21.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3512.00 ft			Final 49000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	35.00 ft			
Tool Length:	63.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3485.00	
Shut in tool	5.00			3490.00	
HMV	5.00			3495.00	
Jars	5.00			3500.00	
Safety Joint	3.00			3503.00	
Packer	4.00			3507.00	28.00 Bottom Of Top Packer
Packer	5.00			3512.00	
Stubb	1.00			3513.00	
Recorder	0.00	8167	Inside	3513.00	
Recorder	0.00	8370	Outside	3513.00	
Perforations	29.00			3542.00	
Bullnose	5.00			3547.00	35.00 Bottom Packers & Anchor
Total Tool Length:		63.00			



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Novy Oil & Gas Inc.
125 N. Market, Ste. 1230
Wichita Ks. 67202
ATTN: David Goldak

Diana #1
17-22s-8w Reno Ks.
Job Ticket: 43958 DST#: 1
Test Start: 2011.08.20 @ 16:56:38

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: 109000 ppm	
Viscosity: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 8700.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

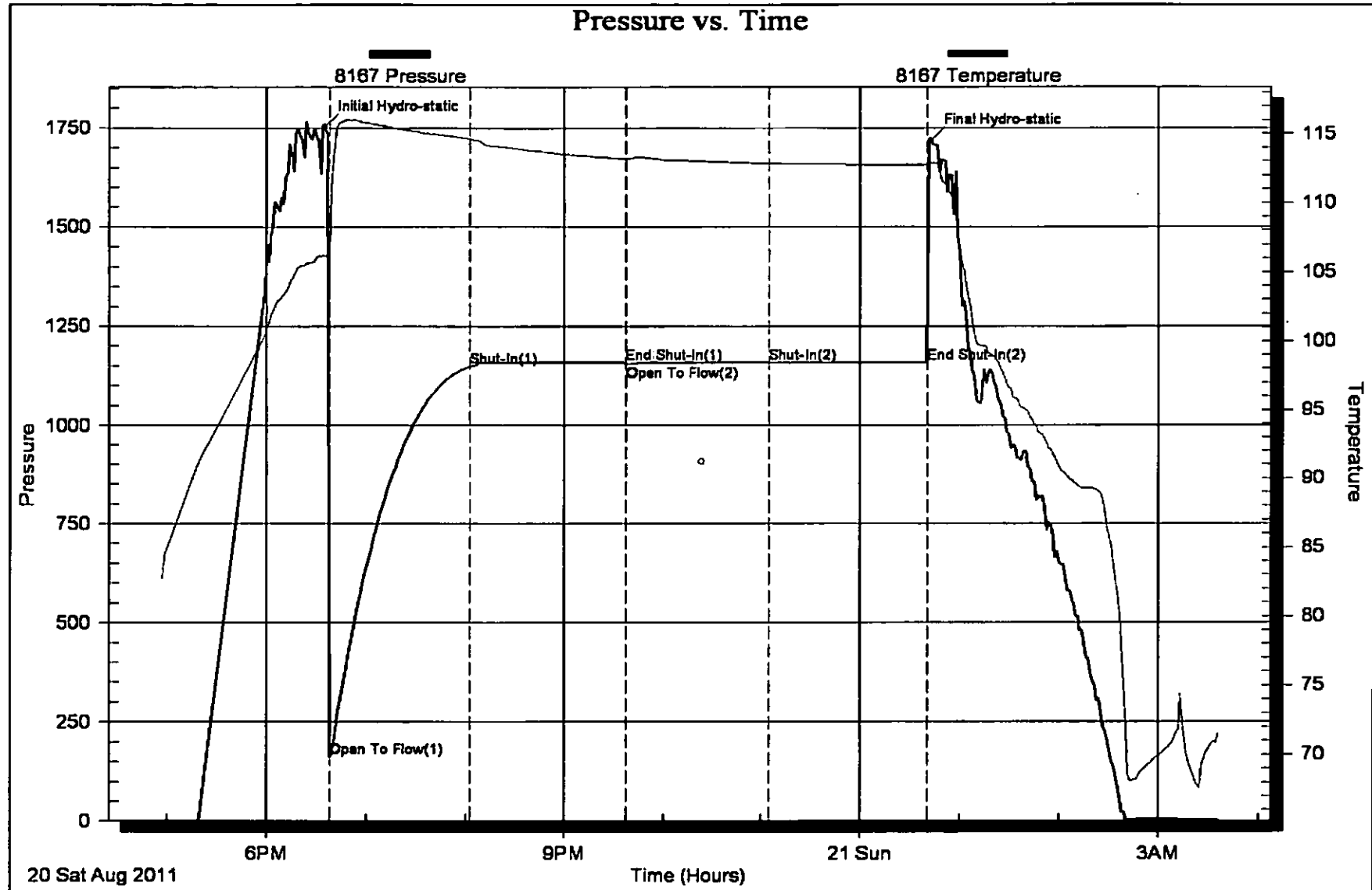
Length ft	Description	Volume bbl
135.00	GOCMW 36%g 9%o 18%m 37%w	1.894
375.00	GOCMW 25%g 4%o 8%m 63%w	5.260
1950.00	GSW/w few o specs. 4%g 96%w	27.353
0.00	RW .08ohms@66deg.	0.000

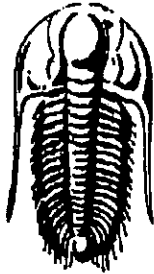
Total Length: 2460.00 ft Total Volume: 34.507 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas Inc.**

125 N. Market, Ste. 1230
Wichita Ks. 67202

ATTN: David Goldak

17-22s-8w Reno Ks.

Diana #1

Start Date: 2011.08.21 @ 10:28:42

End Date: 2011.08.21 @ 17:15:42

Job Ticket #: 43959 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Novy Oil & Gas Inc.

Diana #1

17-22s-8w Reno Ks.

DST # 2

Conglomerate

2011.08.21



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Novy Oil & Gas Inc.
125 N. Market, Ste. 1230
Wichita Ks. 67202
ATTN: David Goldak

Diana #1
17-22s-8w Reno Ks.
Job Ticket: 43959 DST#: 2
Test Start: 2011.08.21 @ 10:28:42

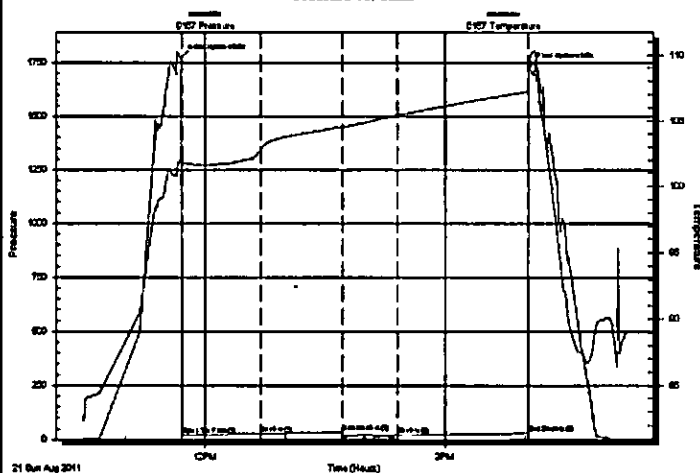
GENERAL INFORMATION:

Formation: **Congolmerate**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 11:42:57
Time Test Ended: 17:15:42
Interval: **3556.00 ft (KB) To 3564.00 ft (KB) (TVD)**
Total Depth: **3564.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Poor**
Test Type: **Conventional Bottom Hole**
Tester: **Gary Pevoteaux**
Unit No: **56**
Reference Elevations: **1705.00 ft (KB)**
1698.00 ft (CF)
KB to GR/CF: **7.00 ft**

Serial #: 8167 **Inside**
Press@RunDepth: **19.47 psig @ 3557.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.08.21** End Date: **2011.08.21** Last Calib.: **2011.08.21**
Start Time: **10:28:47** End Time: **17:15:41** Time On Btm: **2011.08.21 @ 11:41:57**
Time Off Btm: **2011.08.21 @ 16:03:27**

TEST COMMENT: IF: Weak blow .n1 - 1 1/2".
IS: No blow.
FF: Weak blow . 1". Dead in 45 mins.
FS: No blow.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1772.03	102.02	Initial Hydro-static
1	19.71	101.57	Open To Flow (1)
60	24.86	102.84	Shut-in(1)
121	34.48	104.53	End Shut-in(1)
122	15.91	104.51	Open To Flow (2)
162	19.47	105.40	Shut-in(2)
260	28.63	107.21	End Shut-in(2)
262	1731.41	109.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Drig.mud /Trace of GIP	0.21

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Novy Oil & Gas Inc.
125 N. Market, Ste. 1230
Wichita Ks. 67202
ATTN: David Goldak

Diana #1
17-22s-8w Reno Ks.
Job Ticket: 43959 **DST#: 2**
Test Start: 2011.08.21 @ 10:28:42

Tool Information

Drill Pipe:	Length: 3538.00 ft	Diameter: 3.80 inches	Volume: 49.63 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 49.63 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3556.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	8.00 ft			
Tool Length:	36.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3529.00	
Shut in tool	5.00			3534.00	
HMV	5.00			3539.00	
Jars	5.00			3544.00	
Safety Joint	3.00			3547.00	
Packer	4.00			3551.00	28.00 Bottom Of Top Packer
Packer	5.00			3556.00	
Stubb	1.00			3557.00	
Recorder	0.00	8167	Inside	3557.00	
Recorder	0.00	8370	Outside	3557.00	
Perforations	2.00			3559.00	
Bullnose	5.00			3564.00	8.00 Bottom Packers & Anchor

Total Tool Length: 36.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Novy Oil & Gas Inc.

Diana #1

125 N. Market, Ste. 1230
Wichita Ks. 67202

17-22s-8w Reno Ks.

Job Ticket: 43959

DST#: 2

ATTN: David Goldak

Test Start: 2011.08.21 @ 10:28:42

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:	13500 ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 13500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	Orig. mud / Trace of GIP	0.210

Total Length: 15.00 ft Total Volume: 0.210 bbl

Num Fluid Samples: 0

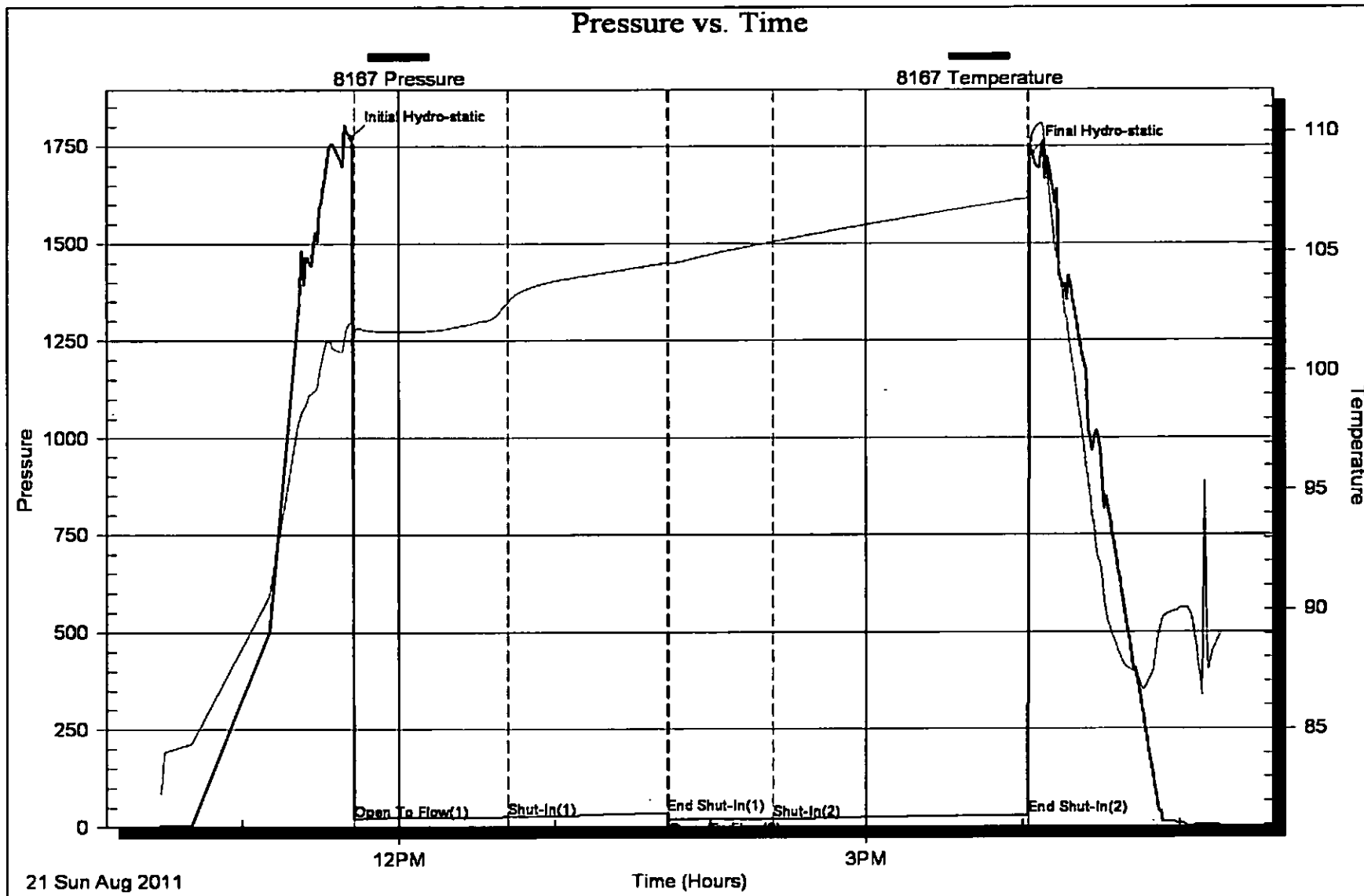
Num Gas Bombs: 0

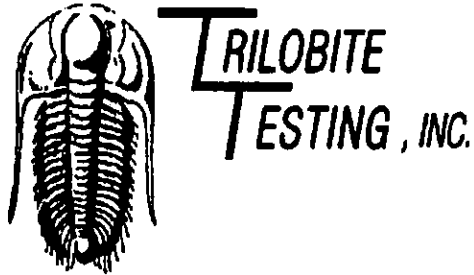
Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





DRILL STEM TEST REPORT

Prepared For: **Novy Oil & Gas Inc.**

125 N. Market, Ste. 1230
Wichita Ks. 67202

ATTN: David Goldak

17-22s-8w Reno Ks.

Diana #1

Start Date: 2011.08.22 @ 00:18:29

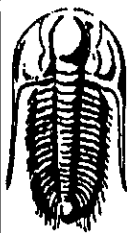
End Date: 2011.08.22 @ 06:32:29

Job Ticket #: 43960 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Novy Oil & Gas Inc.
125 N. Market, Ste. 1230
Wichita Ks. 67202
ATTN: David Goldak

Diana #1
17-22s-8w Reno Ks.
Job Ticket: 43960 **DST#: 3**
Test Start: 2011.08.22 @ 00:18:29

GENERAL INFORMATION:

Formation: **Conglomerate**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 01:57:14
 Time Test Ended: 06:32:29
 Interval: **3564.00 ft (KB) To 3582.00 ft (KB) (TVD)**
 Total Depth: **3582.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Poor
 Test Type: **Conventional Bottom Hole**
 Tester: **Gary Pevoteaux**
 Unit No: **56**
 Reference Elevations: **1705.00 ft (KB)**
1698.00 ft (CF)
 KB to GR/CF: **7.00 ft**

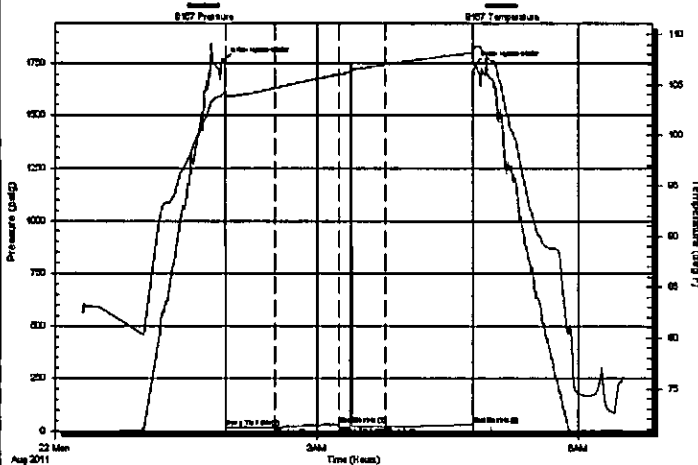
Serial #: 8167

Inside

Press@RunDepth: **19.47 psig @ 3565.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.08.22** End Date: **2011.08.22** Last Calib.: **2011.08.22**
 Start Time: **00:18:34** End Time: **06:32:28** Time On Btm: **2011.08.22 @ 01:55:44**
 Time Off Btm: **2011.08.22 @ 04:48:59**

TEST COMMENT: IF: Weak blow . (surface) Dead in 2 mins.
 IS: No blow .
 FF: No blow . Flushed tool 10 mins. in to FFP.
 FS: No blow .

Pressure vs. Time



PRESSURE SUMMARY

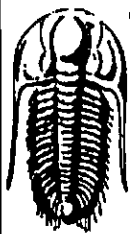
Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1760.76	104.17	Initial Hydro-static
2	18.88	103.70	Open To Flow (1)
36	17.95	104.67	Shut-In(1)
80	32.85	106.03	End Shut-In(1)
80	19.97	106.04	Open To Flow (2)
111	19.47	106.95	Shut-In(2)
172	31.08	108.19	End Shut-In(2)
174	1744.92	108.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	Drig. mud	0.04

Gas Rates

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



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TOOL DIAGRAM

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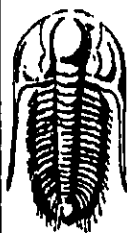
Tool Information

Drill Pipe:	Length: 3567.00 ft	Diameter: 3.80 inches	Volume: 50.04 bbl	Tool Weight: 2400.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 24000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 56000.00 lb
			<u>Total Volume: 50.04 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 37000.00 lb
Depth to Top Packer:	3564.00 ft			Final 37000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	18.00 ft			
Tool Length:	46.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
C.O. Sub	1.00			3537.00	
Shut in tool	5.00			3542.00	
HMV	5.00			3547.00	
Jars	5.00			3552.00	
Safety Joint	3.00			3555.00	
Packer	4.00			3559.00	28.00 Bottom Of Top Packer
Packer	5.00			3564.00	
Stubb	1.00			3565.00	
Recorder	0.00	8167	Inside	3565.00	
Recorder	0.00	8370	Outside	3565.00	
Perforations	12.00			3577.00	
Bullnose	5.00			3582.00	18.00 Bottom Packers & Anchor

Total Tool Length: 46.00



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FLUID SUMMARY

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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:	13500 ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl		
Water Loss: 14.38 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 13500.00 ppm			
Filter Cake: 0.20 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
3.00	Orig. mud	0.042

Total Length: 3.00 ft Total Volume: 0.042 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none
 Laboratory Name: Laboratory Location:
 Recovery Comments:

