

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
October 2008  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 6009  
Name: Double Eagle Exploration, Inc.  
Address 1: 221 S. Broadway, #310  
Address 2: \_\_\_\_\_  
City: Wichita State: KS. Zip: 67202 + \_\_\_\_\_  
Contact Person: Jim Robinson  
Phone: ( 316 ) 264-0422  
CONTRACTOR: License # 34233  
Name: Maverick Drilling, LLC  
Wellsite Geologist: Don Rider  
Purchaser: Plains Marketing, LP

Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ SLOW  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd.  
\_\_\_\_\_ 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. \_\_\_\_\_ Conv. to SWD  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
9-21-09 10-02-09 12-04-09  
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

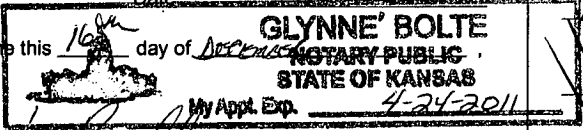
API No. 15 - 101-22191-00-00  
Spot Description: \_\_\_\_\_  
\_\_\_\_\_ E/2 W/2 SW Sec. 26 Twp. 16 S. R. 30  East  West  
1,320 Feet from  North /  South Line of Section  
990 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Lane  
Lease Name: Shay Dirreen Well #: 2A  
Field Name: Healy West  
Producing Formation: Lansing/Kansas City  
Elevation: Ground: 2851 Kelly Bushing: 2856  
Total Depth: 4600' Plug Back Total Depth: 4024'  
Amount of Surface Pipe Set and Cemented at: 393 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: 2237 Feet  
If Alternate II completion, cement circulated from: Did not circulate  
feet depth to: \_\_\_\_\_ w/ 400 sx cmt.

Drilling Fluid Management Plan Alt II NCR 12-17-09  
(Data must be collected from the Reserve Pit)  
Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls  
Dewatering method used: Evaporation  
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: Jim Robinson  
Title: Representative Date: 12-16-09  
Subscribed and sworn to before me this 16th day of December  
20 09  
Notary Public: Glynn Bolte  
Date Commission Expires: 4-24-2011



**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Double Eagle Exploration, Inc. Lease Name: Shay Dirreen Well #: 2A  
 Sec. 26 Twp. 16 S. R. 30  East  West County: Lane

**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 <i>(Attach Additional Sheets)</i>  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 <i>(Submit Copy)</i>  List All E. Logs Run: <b>Dual Induction, Compensated Density/Neutron, Micro</b>	<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:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>2236</td> <td>+619</td> </tr> <tr> <td>Topeka</td> <td>3623</td> <td>-775</td> </tr> <tr> <td>Heebner</td> <td>3900</td> <td>-1044</td> </tr> <tr> <td>Lansing/KC</td> <td>3930</td> <td>-1074</td> </tr> <tr> <td>Pawnee</td> <td>4406</td> <td>-1550</td> </tr> <tr> <td>Cherokee Shale</td> <td>4480</td> <td>-1624</td> </tr> <tr> <td>Mississippi</td> <td>4556</td> <td>-1700</td> </tr> </table>	Name	Top	Datum	Anhydrite	2236	+619	Topeka	3623	-775	Heebner	3900	-1044	Lansing/KC	3930	-1074	Pawnee	4406	-1550	Cherokee Shale	4480	-1624	Mississippi	4556	-1700
Name	Top	Datum																							
Anhydrite	2236	+619																							
Topeka	3623	-775																							
Heebner	3900	-1044																							
Lansing/KC	3930	-1074																							
Pawnee	4406	-1550																							
Cherokee Shale	4480	-1624																							
Mississippi	4556	-1700																							

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"	23#	393	Common	250	3%CC 2%gel
Production(Top)	7 7/8"	4 1/2"	10.50#	2237	Lite Class A	575	144 sks. floeal
(Bottom)	7 7/8"	4 1/2"	10.50#	4599	Common	175	10% salt 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	725'	Common	400	14 sks. Calcium
(squeezed 2 times under KCC directions)				

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	4552'-4556'	250 gal. 15% Acid	4552-56
4	4034'-4038'	250 gal. 15% Acid	4034-38
4	3973'-3977'	250 gal. 15% Acid	3973-77

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>4004'</u> Packer At: <u>None</u>			Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>12-04-09</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>50</u>	Gas Mcf	Water Bbls. <u>NA</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 <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3973'-3977'</u>
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Quality Oilwell Cementing Inc.

740 W WICHITA

P.O. Box 32

Russell, KS 67665

# Invoice

Date	Invoice #
11/12/2009	2071

<b>Bill To</b>
Double Eagle Exploration Inc 800 W 47th STE 318 Kansas City Mo 64112

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
200	common		
7	Calcium	13.00	2,600.00T
207	handling	42.00	294.00T
1	MILEAGE CHARGE	2.00	414.00
1	pump truck charge CIRCULATE CEMENT	800.00	390.00
53	pump truck mileage charge	550.00	550.00
579	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	7.00	371.00
427	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	-1.00	-579.00T
		-1.00	-427.00
	LEASE: SHAY DIRREEN WELL #A2-2A		
	lane county Sales Tax	5.30%	122.70
		<b>Total</b>	\$4,145.70

RECEIVED

DEC 16 2009

*W. Orman* KCC WICHITA

*Ken  
Patt  
12/16/09  
Shay*

APPROVED

11-17-09  
*JK*

FX BK  
11-17-09

Quality Oilwell Cementing Inc.

740 W WICHITA

P.O. Box 32

Russell, KS 67665

# Invoice

Date	Invoice #
11/13/2009	2979

<b>Bill To</b>
Double Eagle Exploration Inc 806 W 47th STE 318 Kansas City Mo 64112

P.O. No.	Terms	Project
	Net 30	

Quantity	Description	Rate	Amount
200	common		
7	Calcium	13.00	2,600.00
297	handling	42.00	12,474.00
1	MILEAGE CHARGE	2.00	2.00
1	pump truck charge PUMP INTO BACKSIDE	800.00	800.00
53	pump truck milcage charge	550.00	29,150.00
1,006	discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED	7.00	7,042.00
	LEASE: SHAY DIREEN WELD #A-2 2-A	-1.00	-1,006.00
	lane county Sales Tax	5.30%	213.22
	<i>12/16/09</i>		
		<b>APPROVED</b>	
		<i>11-13-09</i>	
		<b>RECEIVED</b>	
		<b>DEC 16 2009</b>	
		<b>KCC WICHITA</b>	
Thank you for your business. Dave			
<b>Total</b>			\$42,762.22

24 S. Lincoln Street  
P.O. Box 31  
Russell, KS 67665-2906

Voice: (785) 483-3887  
Fax: (785) 483-5566

**COPY**

**INVOICE**

Invoice Number: 120043

Invoice Date: Sep 21, 2009

Page: 1

**Bill To:**

Double Eagle Expl., Inc.  
221 S. Broadway #310  
Wichita, KS 67202

<b>Customer ID</b> DoubE	<b>Well Name# or Customer P.O.</b> Shay Dirreen #2A	<b>Payment Terms</b> Net 30 Days	
<b>Job Location</b> KS1-01	<b>Camp Location</b> Oakley	<b>Service Date</b> Sep 21, 2009	<b>Due Date</b> 10/21/09

Quantity	Item	Description	Unit Price	Amount
250.00	MAT	Class A Common		
5.00	MAT	Gel	15.45	3,862.50
9.00	MAT	Chloride	20.80	104.00
264.00	SER	Handling	58.20	523.80
55.00	SER	Mileage 264 sx @ .10 per sk per mi	2.40	633.60
1.00	SER	Surface	26.40	1,452.00
55.00	SER	Pump Truck Mileage	1,018.00	1,018.00
1.00	EQP	Plug	7.00	385.00
			68.00	68.00

RECEIVED  
DEC 16 2009  
KCC WICHITA

Subtotal	8,046.90
Sales Tax	241.59
Total Invoice Amount	8,288.49
Payment/Credit Applied	
<b>TOTAL</b>	<b>8,288.49</b>

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

\$ 2011 73

ONLY IF PAID ON OR BEFORE

Oct 21, 2009

# ALLIED CEMENTING CO., LLC. 043719

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

SERVICE POINT:  
Oaheuks

DATE <u>9-21-09</u>	SEC. <u>26</u>	TWP. <u>16S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>8:30pm</u>	JOB START <u>6:30am</u>	JOB FINISH <u>7:00am</u>
LEASE <u>Shay D. Brown</u>		WELL# <u>2A</u>		LOCATION <u>Healy 20-114 E - newin</u>		COUNTY <u>lane</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR MAUENCK 102

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 393'

CASING SIZE 8 7/8 DEPTH 393'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

DISPLACEMENT 24

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 250 SRS 10M  
370 cc 290 cc

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzzy

# 431 HELPER 12114

BULK TRUCK

# 347 DRIVER Darren

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>250</u>	@	<u>15.45</u>	<u>3862.50</u>
POZMIX		@		
GEL	<u>5</u>	@	<u>20.80</u>	<u>104.00</u>
CHLORIDE	<u>9</u>	@	<u>58.20</u>	<u>523.80</u>
ASC		@		
<b>RECEIVED</b>				
<u>DEC 16 2009</u>				
<b>KCC WICHITA</b>				
HANDLING	<u>264</u>	@	<u>2.42</u>	<u>633.60</u>
MILEAGE	<u>104.52 mile</u>	@		<u>1452.00</u>
				<b>TOTAL</b> <u>6575.90</u>

**REMARKS:**

ceement did circulate

Approx 5 SRS

Plug down @ 5:00am

Thanks Fuzzy crew

**SERVICE**

DEPTH OF JOB	<u>393'</u>		
PUMP TRUCK CHARGE	<u>1018.00</u>		
EXTRA FOOTAGE		@	
MILEAGE	<u>55</u>	@	<u>7.00</u> <u>385.00</u>
MANIFOLD		@	
<b>TOTAL</b> <u>1403.00</u>			

CHARGE TO: Double Eagle

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

<u>1-8 5/8 plug</u>	@	<u>68.00</u>
	@	
	@	
	@	
	@	
<b>TOTAL</b> <u>68.00</u>		

To Allied Cementing Co., LLC.

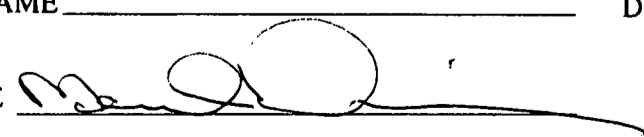
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

PRINTED NAME \_\_\_\_\_

SIGNATURE 



# COPY

# INVOICE

24 S. Lincoln Street  
 P.O. Box 31  
 Russell, KS 67665-2906  
 Voice: (785) 483-3887  
 Fax: (785) 483-5566

Invoice Number: 120168  
 Invoice Date: Oct 1, 2009  
 Page: 1

<b>Bill To:</b>
Double Eagle Expl., Inc. 221 S. Broadway #310 Wichita, KS 67202

Customer ID	Well Name# or Customer P.O.	Payment Terms	
DoubE	Shay Dirreen #2-A	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Oct 1, 2009	10/31/09

Quantity	Item	Description	Unit Price	Amount
575.00	MAT	Lightweight Class A	14.05	8,078.75
144.00	MAT	Flo Seal	2.50	360.00
500.00	MAT	WFR-2	1.27	635.00
620.00	SER	Handling	2.40	1,488.00
30.00	SER	Mileage 620 sx @ .10 per sk per mi	62.00	1,860.00
1.00	SER	Two Stage - Top	1,185.00	1,185.00

RECEIVED  
 DEC 16 2009  
 KCC WICHITA

APPROVED

ALL PRICES ARE NET, PAYABLE  
 30 DAYS FOLLOWING DATE OF  
 INVOICE. 1 1/2% CHARGED  
 THEREAFTER. IF ACCOUNT IS  
 CURRENT, TAKE DISCOUNT OF

\$ 3401.69

ONLY IF PAID ON OR BEFORE

Oct 31, 2009

Subtotal	13,606.75
Sales Tax	480.91
Total Invoice Amount	14,087.66
Payment/Credit Applied	
<b>TOTAL</b>	<b>14,087.66</b>

# ALLIED CEMENTING CO., LLC. 044379

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

SERVICE POINT: Carleton

DATE <u>10-1-09</u>	SEC. <u>26</u>	TWP. <u>16s</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>10-1-09</u> <u>5:00pm</u>	JOB START <u>12:00pm</u>	JOB FINISH <u>1:00pm</u>
LEASE <u>Snay</u>		WELL# <u>2-A</u>		LOCATION <u>Nearly 2n-114c</u>		COUNTY <u>lane</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)				<u>new</u>			

CONTRACTOR W Lawrence 102

TYPE OF JOB 2-stage (top)

HOLE SIZE 7 7/8 T.D. 4600'

CASING SIZE 4 1/2 DEPTH 2237'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT 35.5

OWNER \_\_\_\_\_

CEMENT

AMOUNT ORDERED 575 bld & 114

Cl. seal

500gal WFAT

EQUIPMENT

PUMP TRUCK CEMENTER Fuzzy

# 431 HELPER Kelly

BULK TRUCK

# 373 DRIVER L & RECEIVED

BULK TRUCK

# 326 DRIVER L & DEC 16 2009

COMMON	@	_____	_____
POZMIX	@	_____	_____
GEL	@	_____	_____
CHLORIDE	@	_____	_____
ASC	@	_____	_____
<u>bld</u>	@	<u>14.5</u>	<u>8078.75</u>
<u>Cl. seal</u>	@	<u>144</u>	<u>360.00</u>
<u>WFAT</u>	@	<u>500gal</u>	<u>635.00</u>
_____	@	_____	_____
_____	@	_____	_____
HANDLING <u>620</u>	@	<u>2.45</u>	<u>1488.00</u>
MILEAGE <u>10 x 34 mile</u>			<u>1860.00</u>
TOTAL			<u>12421.75</u>

REMARKS: KCC WICHITA

mix 500gal WFAT. mix 1500 in RH  
mix 5600 down csg. started  
logging and vms @ about 4500ft  
total loss & were regained, slowed  
mixing rate to 2 1/2 bbl/min & displ  
@ 1 1/2 bbl/min and were gaining  
bld & press @ 300'. Tool closed  
@ 1400' plus down @ 1:00pm

Thanks, Fuzzy & crew

SERVICE

DEPTH OF JOB	<u>2237</u>	_____	_____
PUMP TRUCK CHARGE			<u>1185.00</u>
EXTRA FOOTAGE	@	_____	_____
MILEAGE <u>50</u>	@		<u>NIC</u>
MANIFOLD	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
TOTAL			<u>1185.00</u>

PLUG & FLOAT EQUIPMENT

_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
_____	@	_____	_____
TOTAL			_____

CHARGE TO: Double Eagle

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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.

PRINTED NAME \_\_\_\_\_

SIGNATURE [Signature]

1269 F ROAD  
MORLAND, KS 67650

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS





# COPY

# INVOICE

24 S. Lincoln Street  
 P.O. Box 31  
 Russell, KS 67665-2906

Voice: (785) 483-3887  
 Fax: (785) 483-5566

Invoice Number: 120167  
 Invoice Date: Oct 1, 2009  
 Page: 1

**Bill To:**

Double Eagle Expl., Inc.  
 221 S. Broadway #310  
 Wichita, KS 67202

Customer ID	Well Name# or Customer P.O.	Payment Terms	
DoubE	Shay Dirreen #2-A	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Oakley	Oct 1, 2009	10/31/09

Quantity	Item	Description	Unit Price	Amount
175.00	MAT	Class A Common	15.45	2,703.75
3.00	MAT	Gel	20.80	62.40
18.00	MAT	Salt	23.95	431.10
500.00	MAT	WFR-2	1.27	635.00
196.00	SER	Handling	2.40	470.40
50.00	SER	Mileage 196 sx @.10 per sk per mi	19.60	980.00
1.00	SER	Two Stage - Bottom	2,185.00	2,185.00
50.00	SER	Pump Truck Mileage	7.00	350.00
1.00	EQP	AFU Float Shoe	206.00	206.00
10.00	EQP	Centralizers	32.00	320.00
3.00	EQP	Baskets	147.00	441.00
1.00	EQP	D V Tool	2,632.00	2,632.00

**RECEIVED**  
**DEC 16 2009**  
**KCC WICHITA**

**APPROVED**

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

**\$ 2854.16**

ONLY IF PAID ON OR BEFORE

**Oct 31, 2009**

Subtotal	11,416.65
Sales Tax	393.86
Total Invoice Amount	11,810.51
Payment/Credit Applied	
<b>TOTAL</b>	<b>11,810.51</b>

# ALLIED CEMENTING CO., LLC. 044378

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

SERVICE POINT:  
Onleuks

DATE <u>10-1-09</u>	SEC. <u>26</u>	TWP. <u>16 S</u>	RANGE <u>30 W</u>	CALLED OUT	ON LOCATION <u>5:00pm</u>	JOB START <u>8:00am</u>	JOB FINISH <u>8:30am</u>
Shay Brown LEASE	WELL# <u>2-W</u>	LOCATION <u>Nealy 2n-14e n.w.1/4</u>			COUNTY <u>lane</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Maurice #102

TYPE OF JOB 2-stage (Bottom)

HOLE SIZE 7 7/8 T.D. 4600'

CASING SIZE 4 1/2 10.5 DEPTH 4599'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DU Tool DEPTH 2237'

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 20'

CEMENT LEFT IN CSG. 20'

PERFS.

DISPLACEMENT 37.2 water, 35.5 mud

OWNER

CEMENT

AMOUNT ORDERED 175 sks Com

1070 salt 29 used

500 gal WFAE

COMMON	<u>175</u>	@	<u>15.45</u>	<u>2703.75</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>20.00</u>	<u>62.40</u>
CHLORIDE		@		
ASC		@		
SALT	<u>18 sks</u>	@	<u>23.95</u>	<u>431.10</u>
WFAE	<u>500 gal</u>	@	<u>1.27</u>	<u>635.00</u>
HANDLING	<u>196</u>	@	<u>2.40</u>	<u>470.40</u>
MILEAGE	<u>10.5 sk mile</u>			<u>980.00</u>
TOTAL				<u>5282.65</u>

**EQUIPMENT**

PUMP TRUCK CEMENTER Fuzz

# 431 HELPER Rilly

BULK TRUCK

# 373 DRIVER L Lane RECEIVED

BULK TRUCK

# DRIVER DEC 16 2009

**KCC WICHITA**

**REMARKS:**

mix 500 gal WFAE mix 175 sks cement  
washed pump lines. Drop plus  
and displace 37 water + 35.5 mud  
h/c press 600' hand press 1300'  
float hold. Drop DU Bone unit + 15 min  
open DU Tool @ 1200' Plugdown @  
8:30am Circ 3 has  
Thanks Fuzz crew

**SERVICE**

DEPTH OF JOB 4599'

PUMP TRUCK CHARGE 2185.00

EXTRA FOOTAGE @

MILEAGE 50 @ 7.00 350.00

MANIFOLD @

TOTAL 2535.00

CHARGE TO: Double Eagle

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

4 1/2

1- #10 Float shoe		<u>206.00</u>
1- Latchdown Assy	@	<u>w/c</u>
10- Cent	@	<u>32.00</u> <u>320.00</u>
3- Baskets	@	<u>147.00</u> <u>441.00</u>
1- DU Tool	@	<u>2632.00</u>
TOTAL		<u>3599.00</u>

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.

PRINTED NAME Harold Bellini

SIGNATURE \_\_\_\_\_

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

**DOUBLE EAGLE EXPLORATION**

**221 S. Broadway #410**

**Wichita, KS 67202**

---

**SHAY DIRREEN #2A**

**Sec 26, Twp 16S, R 30W**

**Lane Co., KS**

**Completion**

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12/02/09

Prepared by:  
X-Hand Engineering, Inc.  
Harold Bellerive  
1269 F. Road  
Morland, KS 67650  
(785-627-4531)

DOUBLE EAGLE EXPLORATION, INC.

Shay Dirreen #2A

November 09, 2009

Arrived on location. Rigged up Quality Plus Oilfield Services. Welded slip collar on 4½" casing. Moved in swab tank and filled with lease water. Tubing on location—unloaded and racked. Trip in hole with 3 7/8" bit and 2 3/8" tubing. Tallied in hole. Tagged DV tool @ 2236'. SHUT DOWN FOR DAY.

DOUBLE EAGLE EXPLORATION, INC.

Shay Dirreen #2A

November 10, 2009

Drilled out DV tool (six hours). Reamed clean. Ran pipe to T.D. @ 4572'. Circulated fresh water out of hole with lease water. Trip out of hole with tubing and bit. SHUT DOWN FOR DAY.

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DOUBLE EAGLE EXPLORATION, INC.

Shay Dirreen #2A

November 11, 2009

Rigged up Perf-Tech and ran GR CCL Bond log. Found T.D. @ 4570' and top of cement @ 3515'. Primary cement job looked very good. DV tool @ 2236' and top of cement on upper cement job @ 750' from surface. Called state rep (Steve Durant). Perforated @ 725'—four holes. Cemented with 200 sacks common with 3% cc. Displaced to 650' from surface and shut in. Closed in—pressure @ 310#. SHUT DOWN FOR DAY.

DOUBLE EAGLE EXPLORATION, INC.

Shay Dirreen #2A

November 12, 2009

Arrived on location. Rigged up Perf-Tech. Ran Temperature Survey. Found T.D. @ 600' and top of cement @ 550' from surface. Called state rep (Steve Durant). We will need to pump cement down annulus. Called cementers. Pumped 200 sacks common with 3% cc—pumped in @ 200#. Swabbed down hole—stayed full (no pressure, slight vacuum in eight minutes). Rigged down Quality Cement Co. Trip in hole with 3 7/8" bit and tubing. Tagged cement @ 602'. Rigged up pump and swivel. Drilled cement to 675'. Circulated clean. SHUT DOWN FOR DAY.

DOUBLE EAGLE EXPLORATION, INC.

Shay Dirreen #2A

November 13, 2009

Resumed drilling cement. Drilled out of cement @ 730'. Ran bit and tubing to T.D. @ 4571'. Circulated clean. Swabbed hole down to 4300' from surface through tubing. (Squeeze holes in casing—could not casing swab). Trip out of hole with tubing. Perforated Mississippi zone @ 4552'-4556' (4' four spf). Trip in hole with tubing and packer. Set packer @ 4531'. Swabbed down. Swabbed dry. SHUT DOWN FOR WEEKEND.

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DOUBLE EAGLE EXPLORATION, INC.

Shay Dirreen #2A

November 16, 2009

KCC WICHITA

Arrived on location. Made swab run—dry. Called for acid. Kansas Acid treated Mississippi zone @ 4552'-4556' with 250 gallons 15% MCA. Staged acid in @ 700#--no break. Total load 23.45 bbls. ISIP—680#. Let set one hour. Pressured @ 600#. Released pressure. Swabbed down. Recovered 17.71 bbls fluid—no show. Swabbed dry. Made one hour test—dry. Released packer. Trip out of hole with tubing. SHUT DOWN FOR DAY.

DOUBLE EAGLE EXPLORATION, INC.

Shay Dirreen #2A

November 17, 2009

Arrived on location. Rigged up Perf-Tech and perforated E-zone @ 4034'-4038'—four spf. Trip in hole with tubing, plug and packer. Set plug @ 4064' and packer @ 4031'. Swabbed down. Let set one hour. Recovered 200' fluid—33% oil. Made second hour test—recovered 200' fluid (35% oil). Spotted acid across perforations and treated with 250 gallons 15% MCA—maximum pressure of 200#, maximum rate of .25 bpm. ISIP—vacuum. Total load 21.75 bbls. Let set 30 minutes. Swabbed down. Recovered 16.75 bbls. Started hour test. First hour recovered 7.52 bbls fluid—28% oil. Second hour recovered 6.74 bbls fluid—29% oil. SHUT DOWN FOR DAY.

DOUBLE EAGLE EXPLORATION, INC.

Shay Dirreen #2A

November 18, 2009

Arrived on location. Made swab run—recovered 2100' of fluid, 500' oil. Released plug and packer. Trip out of hole with tubing. Rigged up Perf-Tech and perforated LKC B-zone @ 3973'-3977', four spf. Trip in hole with tools and tubing. Set plug @ 4025' and packer @ 3942'. Swabbed down. Swabbed dry. Made one hour pull—dry. Treated with 250 gallons 15% MCA. Hole loaded and took acid on vacuum @  $\frac{3}{4}$  bpm. Total load 20.79 bbls. ISIP—vacuum. Let set 30 minutes. Swabbed down. Recovered 14.77 bbls—good show of oil. Started hour test. First hour recovered 6.61 bbls fluid—72% oil. Second hour recovered 5.85 bbls fluid—97% oil. SHUT DOWN FOR DAY.

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DOUBLE EAGLE EXPLORATION, INC.

Shay Dirreen #2A

November 19, 2009

Arrived on location. Made swab run—recovered 1000' of clean oil, trace of water on bottom. Released plug and packer. Trip out of hole with tubing and tools. Rigged up Perf-Tech and set 4 1/2" CIBP @ 4024'. Trip in hole with production tubing. Ran as follows: 15' M/A, 1.10 S/N and 127 joints 2 3/8" tubing (set @ 4004'). Ran 6' gas anchor, 2" x 1 1/2" x 12' pump with one 2' x 3/4" pony rod, 158 - 3/4" rods, one 8' x 3/4" rod sub, one 6' x 3/4" rod sub, one 4' x 3/4" rod sub, one 2' rod sub and 22' x 1 1/4" polish rod and a 6' liner. Made necessary well-head connection. Rigged down Quality Plus Oilfield Services.

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**Rider Consulting Petroleum Geologist**

**Don V. Rider, Geologist...cell: 316-706-7199**

**Office 316-729-4445...8910 W. Central Park Ct...Wichita, KS 67205-2105**

**October 2, 2009**

**WELL RESUME**

**Operator: Double Eagle Exploration**

**API: 15-101-22191**

**Well Name: Shay Dirreen # 2A**

**Field: Dirreen**

**Location: E2,W2, SW**

**Sec.26 Twp.16S Rge.30W**

**County: Lane**

**State: Kansas**

**Spud Date: 09-21-09**

**Drilling Completed: 10-01-09**

**Elevations: GL- 2851'**

**KB- 2856'**

**Total Depth: Drillers TD- 4600'**

**Loggers TD-4597'**

**Contractor: Maverick Drilling, LLC. # 102**

**Well Site Geologist: Don V. Rider**

**Mud Logging Equipment: None**

**Samples: Unlagged samples were caught by drilling crew from 3400'-TD.**

**Mud Company: Mudco Mud**

**Type Drilling Mud: Chemical**

**Hole Size: 12 1/4" 0-393'; 7 7/8" 393'-TD**

**Casing: 8 5/8" set @ 393'**

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**Drill Time Kept:** 3400'-4600'

**Samples Examined :** 3400'-4600'

**Geological Supervision:** 3400'-4600'

**Cores:** None

**DST's:** Five, Trilobite Testing

**Electric Logs:** Superior

**Type Logs Run:** Dual Induction & Dual Compensated Porosity Log, Micro Log,

**Bottom Hole Formation:** Mississippian

**Well Status:** It was decided by all parties concerned to Set pipe on this well. This well ran seven foot low in the Lansing and three foot low in the Mississippian, to the Dirreen # 1 well.

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# Rider Consulting Petroleum Geologist

Don V. Rider, Geologist ...cell: 316-706-7199

Office 316-729-4445...8910 W. Central Park Ct...Wichita, KS 67205-2105

## DAILY REPORT

Direen # 2A, 26-16S-30W, Lane County, Kansas

Date	Depth	24 Hr. Footage	Remarks
09-21-09			Spud Date, Move in, rig up
09-22-09	393'		Set Surface pipe, 8 5/8" @ 393'
09-23-09	1601'	1208'	Drilling ahead,
09-24-09	2760'	1160'	Anhydrite 2236 (+ 619'), base 2265' (+ 591').
09-25-09	3380'	620'	Mud up @ 3393' Drilling, <b>DST # 1</b> 3415-3455', Howard, 30-30-15-30 IF: 1/2" died in 26 min, Recovery: 5' Mud, IFP: 16-16, FFP: 18-19, ISIP: 909, FSIP: 694, Hydro: 1564-1560, Temp: 100.
09-26-09	3587	208'	Survey 3/4", pipe strap .44 long. Topeka 3631 (-775)
09-27-09	3990'	403'	Heebner 3906 (-1050), Toronto 3922' (-1066'), Lansing 3940 (-1084'), <b>DST # 2</b> 3936-3990' A-B Zones Lansing. IF: BOB in 10min, IS 3/4", FF: BOB in 16min, FS: 1/2" Recovery: 140' GIP, 80' clean gassy oil, 93' O & WCM 10% oil, 183' W&M, 124' SMCW, IFP: 26-123, FFP: 134-226, ISIP: 411, FSIP: 412, Hydro: 1898-1866, Temp 120, Total fluid 480'.
09-28-09	4052'	62'	<b>DST # 3 4016-4052' D &amp; E zone Lansing</b> IF: BOB in 18min, FF: BOB in 25min, FS: 1/4", Recovery: 30' GIP, 45' Clean gassy oil 62' OCM, 10% oil, 108' SO&WCM 5% oil IFP: 23-61, FFP: 73-105, ISIP: 993, FSIP: 998, Hydro 1960-1939, Temp: 120.
09-29-09	4070'	18'	<b>DST # 4 4052-4070', F Zone KC, 30-30-30</b>

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30, IF: BOB in 1 min, FF: BOB in 2 min,  
Recovery: 2150' SMC water, IFP: 155-814,  
FFP: 830-1015, ISIP: 1050, FSIP: 1056,  
HYDRO: 1985-1974, TEMP: 126.

09-30-09 4250' 180'

**DST # 5 4160'-4250' I,J,K of KC**  
30-30-45-60,IF: 7 ½" in bucket, FF:  
7 ½" in bucket, Recovery: 160' SWCM  
30' mud, IFP: 24-50, FFP: 58-100, ISIP:  
903, FSIP: 884,HYDRO: 2013-2010,TEMP:  
119. Base Kansas City 4290'(-1434),  
Marmaton 4322 (-1466'),

10-01-09 4590' 340'

Pawnee 4406-1550, Fort Scott 4456 -1600',  
Cherokee 4480' -1624', Johnson Zone 4528  
-1672', Mississippian 4556' -1700', RTD  
4600' , CIR 1 ½ HR POH for log. Set Pipe

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**FORMATION DATA**  
(Corrected to R.A. Guard Log)

10-02-09

Elevation 2856'KB  
2851'GI

<b><u>Formation</u></b>	<b><u>Depth</u></b>	<b><u>Minus Data</u></b>
Anhydrite	2232'	+624'
Topeka	3626'	- 770'
Heebner	3902'	- 1046'
Toronto	3920'	- 1064'
Lansing	3938'	- 1082'
Base KC	4286'	- 1430'
Marmaton	4319'	- 1463'
Pawnee	4404'	- 1548'
Fort Scott	4456'	- 1600'
Cherokee	4480'	- 1624'
Johnson Zone	4530'	- 1674'
Mississippian	4552'	- 1696'

**Topeka 3626-3902'**

This area had an off-white gray fine crystalline limestone, chalky in part, slightly fossiliferous, with fair intercrystalline and vugular porosity, w/ fair shows free oil & stain. Strong odor and fair cut fluorescence. There were 11 shows in the Topeka.

**Toronto 3920'-3938'**

This area had an off-white, gray fine crystalline limestone, chalky, no show

**Lansing, Kansas City 3938'-4286'**

**A Zone 3938-3964'**

This area had an off-white micro crystalline limestone, fossiliferous limestone, with fair Pinpoint vugular porosities, fair free oil and stain, strong odor. See DST # 2.

**B Zone 3970-3988'**

This area had an off-white buff fine crystalline limestone, with fair oolitic and vugular porosities, fair free oil and stain, fair odor, fair cut fluorescence. See DST # 2.

**D & E Zone 4020'-4048'**

This area had an off-white brown fine crystalline fossiliferous limestone, with fair intercrystalline and vugular porosities, fair free oil and stain, strong odor, and good cut fluorescence. See DST# 3

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**I, J, K Zones 4150'-4248'**

This area had an off-white, buff, fine crystalline, oolitic limestone, with fair intercrystalline and pinpoint vugular porosities and fair free oil and stain with good odor. Condemned by DST # 5.

**Fort Scott 4456'-4480'**

This area had a Buff fine crystalline, sucrose limestone, with Pinpoint vugular porosities, trace free oil & stain Slight odor.

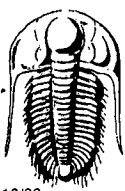
**Johnson Zone 4530-4540'**

This area had an off-white, oolitic, fine crystalline limestone with trace free oil and stain.

**Mississippian 4552-4600'**

This formation had an off-white, brown, oolitic foss, limestone, with vugular porosities, very minor free oil and stain, slight odor

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

No. 35372

10/08

Well Name & No. Dirreen # 2A Test No. 1 Date 9-25-09  
 Company Double Eagle Elevation 2856 KB 2848 GL  
 Address 8910 Central Park Ct, Wichita KS 67205  
 Co. Rep / Geo. Don Rider Rig Maverick  
 Location: Sec. 26 Twp. 16S Rge. 30W Co. Lane State KS

Interval Tested 3415 - 3455 Zone Tested Howard  
 Anchor Length 40' Drill Pipe Run 3417 Mud Wt. 8.5  
 Top Packer Depth 3410 Drill Collars Run 0 Vis 55  
 Bottom Packer Depth 3415 Wt. Pipe Run 0 WL 6.8  
 Total Depth 3455 Chlorides 900 ppm System LCM 2"

Blow Description IF: 1/2 inch drill on 26 mins  
IS: No return  
FF: No blow, flushed @ 5 mins, No blow. GTP = 0  
FS: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>M</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 100 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ ° F Chlorides \_\_\_\_\_ ppm

- (A) Initial Hydrostatic 1564
- (B) First Initial Flow 16
- (C) First Final Flow 16
- (D) Initial Shut-In 909
- (E) Second Initial Flow 18
- (F) Second Final Flow 19
- (G) Final Shut-In 694
- (H) Final Hydrostatic 1560

- Test \_\_\_\_\_
- Jars \_\_\_\_\_
- Safety Joint \_\_\_\_\_
- Circ Sub N/C
- Hourly Standby \_\_\_\_\_
- Mileage 60 = 60.00
- Sampler \_\_\_\_\_
- Straddle \_\_\_\_\_
- Shale Packer \_\_\_\_\_
- Extra Packer \_\_\_\_\_
- Extra Recorder \_\_\_\_\_
- Day Standby \_\_\_\_\_
- Accessibility \_\_\_\_\_

T-On Location KS: 45 pm  
 T-Started 16:30  
 T-Open 18:02 pm  
 T-Pulled 17:47  
 T-Out 21:23 pm

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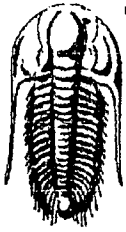
KCC WICHITA

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 15  
 Final Shut-In 30

Comments \_\_\_\_\_  
 Sub Total \_\_\_\_\_  
 Total \_\_\_\_\_

Approved By [Signature] Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Double Eagle  
 8910 Central Park CT  
 Wichita, KS 67205  
 ATTN: Don Rider

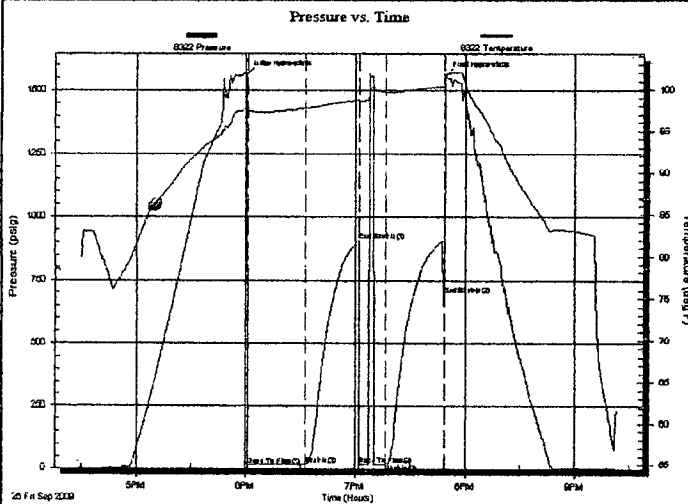
**Dirreen #2A**  
**26-16s-30w Lane**  
 Job Ticket: 35372      **DST#: 1**  
 Test Start: 2009.09.25 @ 16:30:05

**GENERAL INFORMATION:**

Formation: **Howard**  
 Deviated: No Whipstock      ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 18:01:00      Tester: Brandon Domsch  
 Time Test Ended: 21:22:59      Unit No: 48  
 Interval: **3415.00 ft (KB) To 3455.00 ft (KB) (TVD)**      Reference Elevations: 2856.00 ft (KB)  
 Total Depth: 3455.00 ft (KB) (TVD)      2848.00 ft (CF)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 8.00 ft

**Serial #: 8322      Inside**  
 Press@RunDepth: 19.06 psig @ 3416.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2009.09.25      End Date: 2009.09.25      Last Calib.: 2009.09.25  
 Start Time: 16:30:05      End Time: 21:22:59      Time On Btrm: 2009.09.25 @ 18:00:45  
 Time Off Btrm: 2009.09.25 @ 19:49:15

**TEST COMMENT:** IF: 1/2 inch died in 26 mins.  
 IS: No return.  
 FF: No blow, flushed tool @ 5 mins, no blow.  
 FS: No return.



**PRESSURE SUMMARY**

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1564.61	97.72	Initial Hydro-static
1	16.62	97.47	Open To Flow(1)
32	16.85	97.78	Shut-In(1)
62	909.19	98.79	End Shut-In(1)
62	18.32	98.54	Open To Flow(2)
76	19.06	99.70	Shut-In(2)
108	694.56	100.40	End Shut-In(2)
109	1560.25	101.33	Final Hydro-static

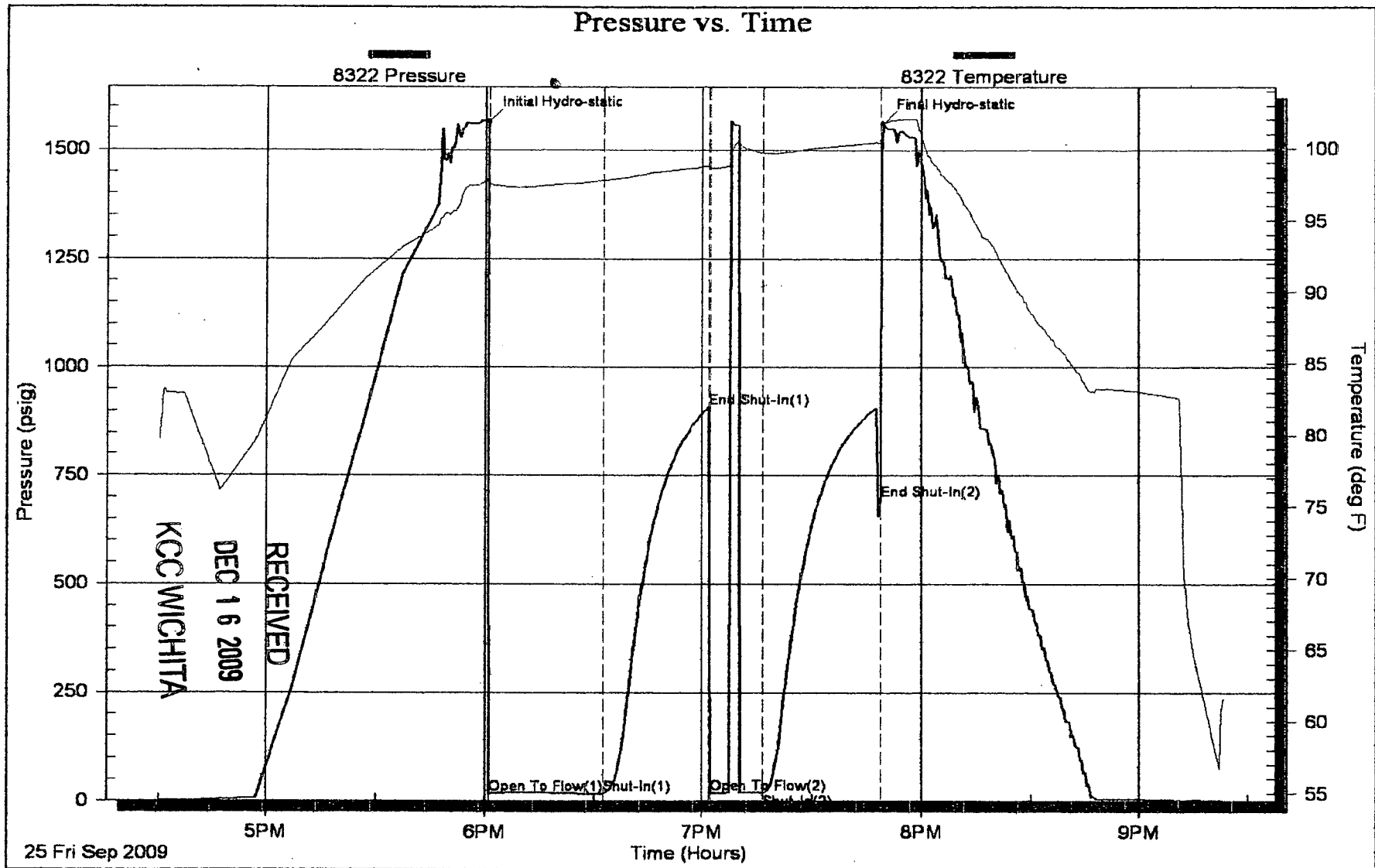
**Recovery**

Length (ft)	Description	Volume (bbl)
5	M 1000mm	

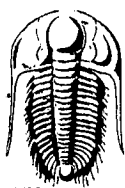
**Gas Rates**

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

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**DEC 16 2009**  
**KCC WICHITA**







# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

No. 35373

10/08

Well Name & No. Dirreen # 2A Test No. 2 Date 9-27-09  
 Company Double Eagle Elevation 2856 KB 2848 GL  
 Address 8910 Central Park Ct, Wichita KS 67205  
 Co. Rep / Geo. Don Rider Rig Maverick  
 Location: Sec. 26 Twp. 16s Rge. 30w Co. Lane State KS

Interval Tested 3936 - 3990 Zone Tested Lans 'A-B'  
 Anchor Length 54' Drill Pipe Run 3918 Mud Wt. 8.9  
 Top Packer Depth 3931 Drill Collars Run 0 Vis 45  
 Bottom Packer Depth 3936 Wt. Pipe Run 0 WL 9.2  
 Total Depth 3990 Chlorides 1800 ppm System LCM 1

Blow Description IF: BOB in 10 mins.  
IS: Built to 3/4 inch died back to weak surface.  
IF: BOB in 16 mins. GIP = 140F  
FS: Built to 1/2 inch died in 24 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>80</u>	<u>CGO</u>	<u>50</u>	<u>20</u>		
<u>93</u>	<u>OWCM</u>		<u>10</u>	<u>20</u>	<u>70</u>
<u>163</u>	<u>W+M</u>			<u>50</u>	<u>50</u>
<u>124</u>	<u>SMCW</u>			<u>90</u>	<u>10</u>
Rec Total	<u>480</u>	BHT	<u>120</u>	Gravity	<u>34</u>

API RW .18 @ 75 ° F Chlorides 38000 ppm

(A) Initial Hydrostatic 1898  Test \_\_\_\_\_ T-On Location 11:15 am  
 (B) First Initial Flow 26  Jars \_\_\_\_\_ T-Started 11:35 am  
 (C) First Final Flow 123  Safety Joint \_\_\_\_\_ T-Open 13:38 pm  
 (D) Initial Shut-In 411  Circ Sub N/C T-Pulled 16:23  
 (E) Second Initial Flow 134  Hourly Standby \_\_\_\_\_ T-Out 18:41 pm  
 (F) Second Final Flow 226  Mileage 60 - \$60.00 Comments \_\_\_\_\_  
 (G) Final Shut-In 412  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1866  Straddle \_\_\_\_\_

Initial Open 30  Shale Packer DEC 16 2009  Ruined Shale Packer \_\_\_\_\_  
 Initial Shut-In 30  Extra Packer KCC WICHITA  Ruined Packer \_\_\_\_\_  
 Final Flow 45  Extra Recorder \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Final Shut-In 60  Day Standby \_\_\_\_\_ Sub Total \_\_\_\_\_  
 Accessibility \_\_\_\_\_ Total \_\_\_\_\_

Approved By [Signature] Our Representative [Signature]  
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test. tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Double Eagle  
 8910 Central Park CT  
 Wichita, KS 67205  
 ATTN: Don Rider

**Dirreen #2A**  
**26-16s-30w Lane**  
 Job Ticket: 35373      **DST#: 2**  
 Test Start: 2009.09.27 @ 11:35:05

## GENERAL INFORMATION:

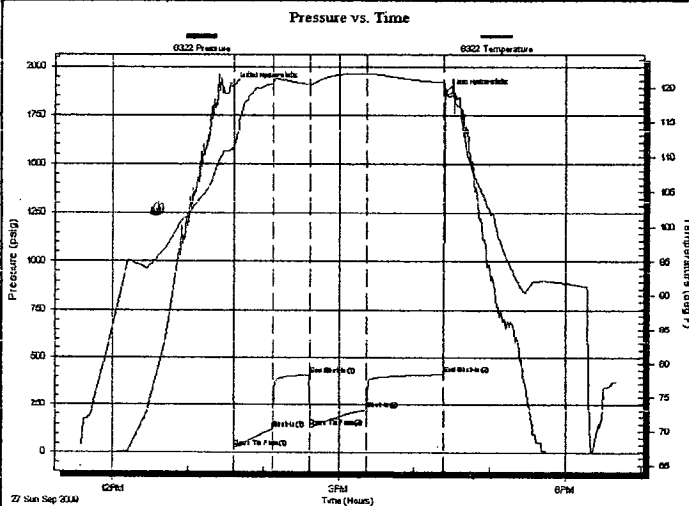
Formation: **Lans "A-B"**  
 Deviated: No Whipstock      ft (KB)  
 Test Type: Conventional Bottom Hole  
 Time Tool Opened: 13:37:00      Tester: Brandon Domsch  
 Time Test Ended: 18:41:14      Unit No: 48  
 Interval: **3936.00 ft (KB) To 3990.00 ft (KB) (TVD)**      Reference Elevations: 2856.00 ft (KB)  
 Total Depth: 3990.00 ft (KB) (TVD)      2848.00 ft (CF)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 8.00 ft

## Serial #: 8322

**Inside**

Press@RunDepth: 226.16 psig @ 3937.00 ft (KB)      Capacity: 8000.00 psig  
 Start Date: 2009.09.27      End Date: 2009.09.27      Last Calib.: 2009.09.27  
 Start Time: 11:35:05      End Time: 18:41:14      Time On Btm: 2009.09.27 @ 13:36:15  
 Time Off Btm: 2009.09.27 @ 16:23:59

**TEST COMMENT:** IF: BOB in 10 mins.  
 IS: Built to 3/4 inch died back to weak surface.  
 FF: BOB in 16 mins.  
 FS: Built to 1/2 inch died in 24 mins.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1898.80	111.26	Initial Hydro-static
1	26.67	110.53	Open To Flow (1)
32	123.33	120.69	Shut-In (1)
61	411.13	120.56	End Shut-In (1)
61	134.05	120.47	Open To Flow (2)
106	226.16	122.03	Shut-In (2)
167	412.80	120.83	End Shut-In (2)
168	1866.29	120.02	Final Hydro-static

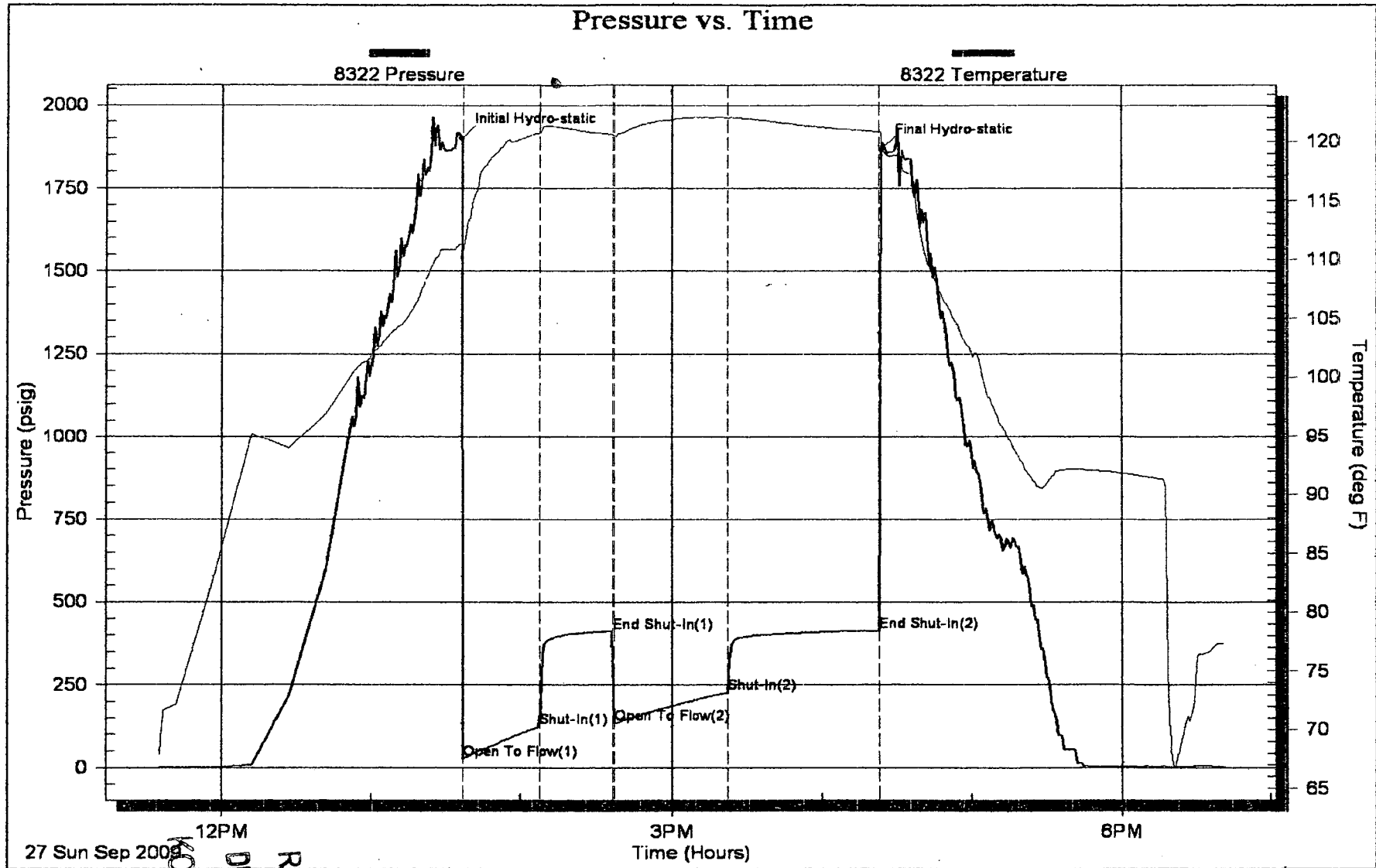
## Recovery

Length (ft)	Description	Volume (bbl)
124.00	SMCW 90%w 10%m	1.81
183.00	W&M 50%w 50%m	2.68
93.00	O&WCM 10%o 20%w 70%m	1.36
80.00	CGO 50%g 50%o	1.17
0.00	GIP = 140 FT	0.00
0.00	API = 36@80F = 34	0.00

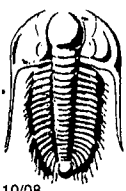
## Gas Rates

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

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# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

No. 35374

Well Name & No. Dirveen # 2A Test No. 3 Date 9-28-09  
 Company Double Eagle Elevation 2856 KB 2343 GL  
 Address 8710 Central Park Ct, Wichita KS 67205  
 Co. Rep / Geo. Don Picher Rig Nlaverick  
 Location: Sec. 26 Twp. 16S Rge. 30W Co. Lane State KS

Interval Tested 4016-4052 Zone Tested Lans "D-E"  
 Anchor Length 36' Drill Pipe Run 41009 Mud Wt. 9.2  
 Top Packer Depth 4011 Drill Collars Run 0 Vis 65  
 Bottom Packer Depth 4016 Wt. Pipe Run 0 WL 9.6  
 Total Depth 4052 Chlorides 3100 ppm System LCM Trc

Blow Description IF: BOB in 18 mins.  
IS: No return.  
IF: BOB in 25 mins.  
IS: 4 inch died in 7 mins, come back to a surface for 12 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>45</u>	<u>CGO</u>	<u>10%</u>	<u>90%</u>		
<u>52</u>	<u>OCM</u>		<u>10%</u>		<u>90%</u>
<u>108</u>	<u>50+WCM</u>		<u>5%</u>	<u>30%</u>	<u>65%</u>

Rec Total 215 BHT 120 Gravity 31 API RW N/A @ ° F Chlorides ppm

(A) Initial Hydrostatic 1960  Test  
 (B) First Initial Flow 23  Jars  
 (C) First Final Flow 61  Safety Joint  
 (D) Initial Shut-In 993  Circ Sub NIC  
 (E) Second Initial Flow 73  Hourly Standby  
 (F) Second Final Flow 105  Mileage 10 = \$10.00  
 (G) Final Shut-In 993  Sampler  
 (H) Final Hydrostatic 1939  Straddle  
 Shale Packer  
 Extra Packer  
 Extra Recorder  
 Day Standby  
 Accessibility

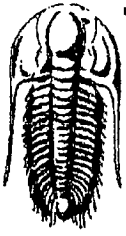
T-On Location 04:40am  
 T-Started 04:54am  
 T-Open 06:48am  
 T-Pulled 09:18am  
 T-Out 11:34am

Comments  
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**KCC WICHITA**  
 Ruined Shale Packer  
 Ruined Packer  
 Extra Copies  
 Sub Total  
 Total

Initial Open 30  
 Initial Shut-In 30  
 Final Flow 30  
 Final Shut-In 60  
 Sub Total  
 Approved By [Signature] Our Representative [Signature]

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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Double Eagle  
8910 Central Park CT  
Wichita, KS 67205  
ATTN: Don Rider

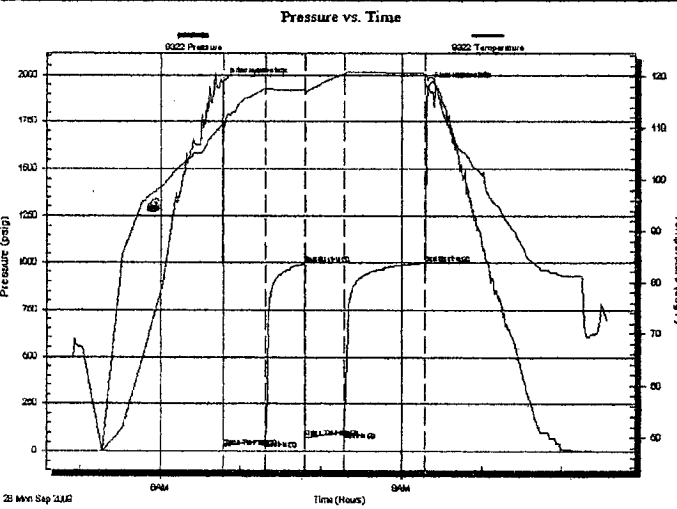
**Dirreen #2A**  
**26-16s-30w Lane**  
Job Ticket: 35374      **DST#: 3**  
Test Start: 2009.09.28 @ 04:54:05

## GENERAL INFORMATION:

Formation: **Lans. "D-E"**  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 06:47:15  
Time Test Ended: 11:34:29  
Test Type: Conventional Bottom Hole  
Tester: Brandon Domsch  
Unit No: 48  
Interval: **4016.00 ft (KB) To 4052.00 ft (KB) (TVD)**  
Reference Elevations: 2856.00 ft (KB)  
Total Depth: 4052.00 ft (KB) (TVD)      2848.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 8.00 ft

**Serial #: 8322      Inside**  
Press@RunDepth: 105.06 psig @ 4017.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2009.09.28      End Date: 2009.09.28      Last Calib.: 2009.09.28  
Start Time: 04:54:05      End Time: 11:34:29      Time On Btrm: 2009.09.28 @ 06:46:30  
Time Off Btrm: 2009.09.28 @ 09:18:59

**TEST COMMENT:** IF: BOB in 18 mins.  
IS: No return.  
FF: BOB in 25 mins.  
FS: 1/4 inch died in 7 mins, came back to a surface for 12 mins.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1960.51	110.32	Initial Hydro-static
1	23.43	110.14	Open To Flow (1)
32	61.18	117.60	Shut-In (1)
61	993.72	117.32	End Shut-In (1)
62	73.71	117.26	Open To Flow (2)
91	105.06	120.54	Shut-In (2)
151	998.39	120.54	End Shut-In (2)
153	1939.77	119.71	Final Hydro-static

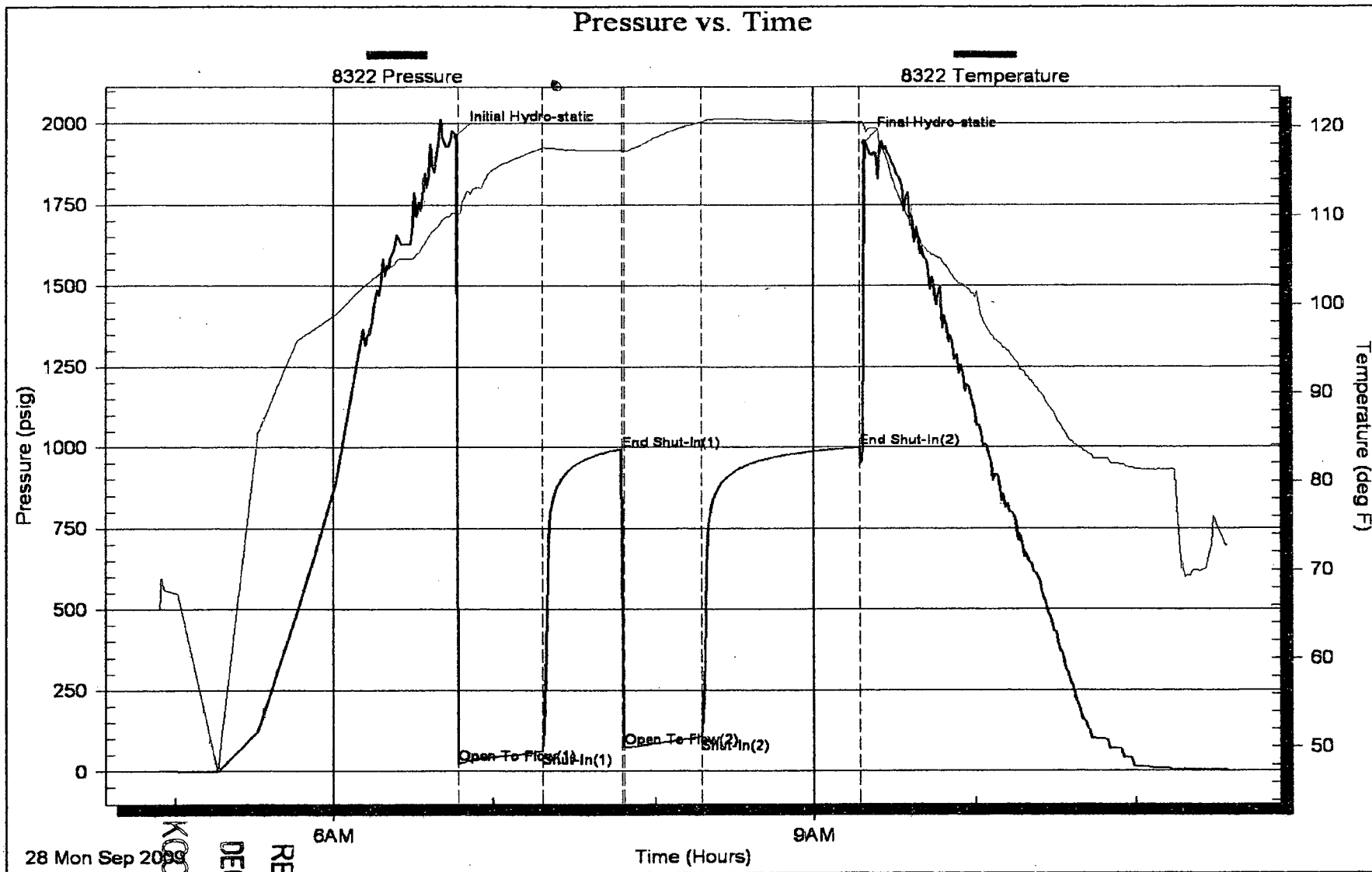
## Recovery

Length (ft)	Description	Volume (bbl)
108.00	SO&WCM 5%o 30%w 65%m	1.58
62.00	OCM 10%o 90%m	0.91
45.00	CGO 10%g 90%o	0.66
0.00	GIP = 30 ft	0.00
0.00	API = 32 @ 70F = 31	0.00
0.00	RW = NA	0.00

## Gas Rates

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

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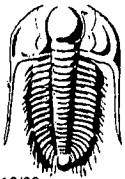
28 Mon Sep 2009

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KCO MICHITA

6AM

Time (Hours)

9AM



# TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

NO. 35375

Well Name & No. Dirzeen # 2A Test No. 4 Date 9-23-09  
 Company Double Eagle Elevation 2856 KB 2848 GL  
 Address 3910 Central Park CT, Wichita KS 67205  
 Co. Rep / Geo. Don Rider Rig Maverick #102  
 Location: Sec. 26 Twp. 16e Rge. 30w Co. lane State KS

Interval Tested 4052-4070 Zone Tested Lans "F"  
 Anchor Length 18' Drill Pipe Run 4040 Mud Wt. 9.2  
 Top Packer Depth 4047 Drill Collars Run 0 Vis 67  
 Bottom Packer Depth 4052 Wt. Pipe Run 0 WL 9.6  
 Total Depth 4070 Chlorides 3600 ppm System LCM Tcc

Blow Description IF: POB in 1min.  
IF: No return  
FF: POB in 2 mins.  
FF: No return.  
6FP = 0

Rec	Feet of	%gas	%oil	%water	%mud
<u>124</u>	<u>SWCM</u>			<u>20%</u>	<u>80%</u>
<u>2211</u>	<u>SMCW</u>			<u>98%</u>	<u>2%</u>
<u>15</u>	<u>M</u>			<u>100%</u>	<u>0%</u>

Rec Total 2150 BHT 125 Gravity \_\_\_\_\_ API RW .28 @ 40 ° F Chlorides 48000 ppm

(A) Initial Hydrostatic <u>1985</u>	<input checked="" type="checkbox"/> Test	T-On Location <u>21:30pm</u>
(B) First Initial Flow <u>155</u>	<input type="checkbox"/> Jars	T-Started <u>21:47pm</u>
(C) First Final Flow <u>814</u>	<input checked="" type="checkbox"/> Safety Joint	T-Open <u>23:51pm</u>
(D) Initial Shut-In <u>1050</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>01:51am</u>
(E) Second Initial Flow <u>830</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>04:55am</u>
(F) Second Final Flow <u>1015</u>	<input checked="" type="checkbox"/> Mileage <u>60 = 60.00</u>	Comments _____
(G) Final Shut-In <u>1056</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1974</u>	<input type="checkbox"/> Straddle	

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Initial Open 30  Ruined Shale Packer  
 Initial Shut-In 30  Ruined Packer  
 Final Flow 30  Extra Copies  
 Final Shut-In 30  Day Standby  
 Sub Total \_\_\_\_\_  
 Total \_\_\_\_\_

Approved By [Signature] Our Representative [Signature]

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**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Double Eagle  
8910 Central Park CT  
Wichita, KS 67205  
ATTN: Don Rider

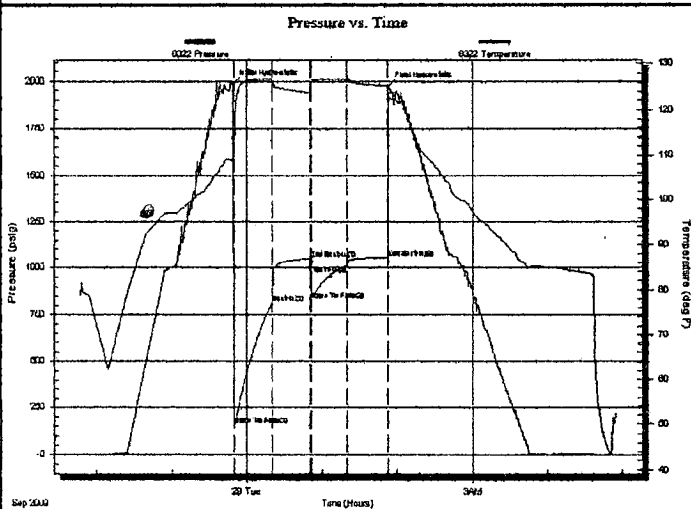
**Dirreen #2A**  
**26-16s-30w Lane**  
Job Ticket: 35375      **DST#: 4**  
Test Start: 2009.09.28 @ 21:47:05

## GENERAL INFORMATION:

Formation: **Lans. "F"**  
Deviated: No Whipstock      ft (KB)  
Time Tool Opened: 23:50:15  
Time Test Ended: 04:54:59  
Test Type: Conventional Bottom Hole  
Tester: Brandon Domsch  
Unit No: 48  
Interval: **4052.00 ft (KB) To 4070.00 ft (KB) (TVD)**  
Reference Elevations: 2856.00 ft (KB)  
Total Depth: 4070.00 ft (KB) (TVD)      2848.00 ft (CF)  
Hole Diameter: 7.88 inches      Hole Condition: Fair      KB to GR/CF: 8.00 ft

**Serial #: 8322**      **Inside**  
Press@RunDepth: 1015.50 psig @ 4053.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2009.09.28      End Date: 2009.09.29      Last Calib.: 2009.09.29  
Start Time: 21:47:05      End Time: 04:54:59      Time On Btrr: 2009.09.28 @ 23:49:30  
Time Off Btrr: 2009.09.29 @ 01:53:15

**TEST COMMENT:** IF: BOB in 1 min.  
IS: No return.  
FF: BOB in 2 mins.  
FS: No return.



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1985.24	108.69	Initial Hydro-static
1	155.50	110.44	Open To Flow (1)
31	814.56	126.59	Shut-In(1)
62	1050.83	123.84	End Shut-In(1)
62	830.44	123.75	Open To Flow (2)
91	1015.50	126.62	Shut-In(2)
123	1056.62	125.31	End Shut-In(2)
124	1974.40	123.21	Final Hydro-static

## Recovery

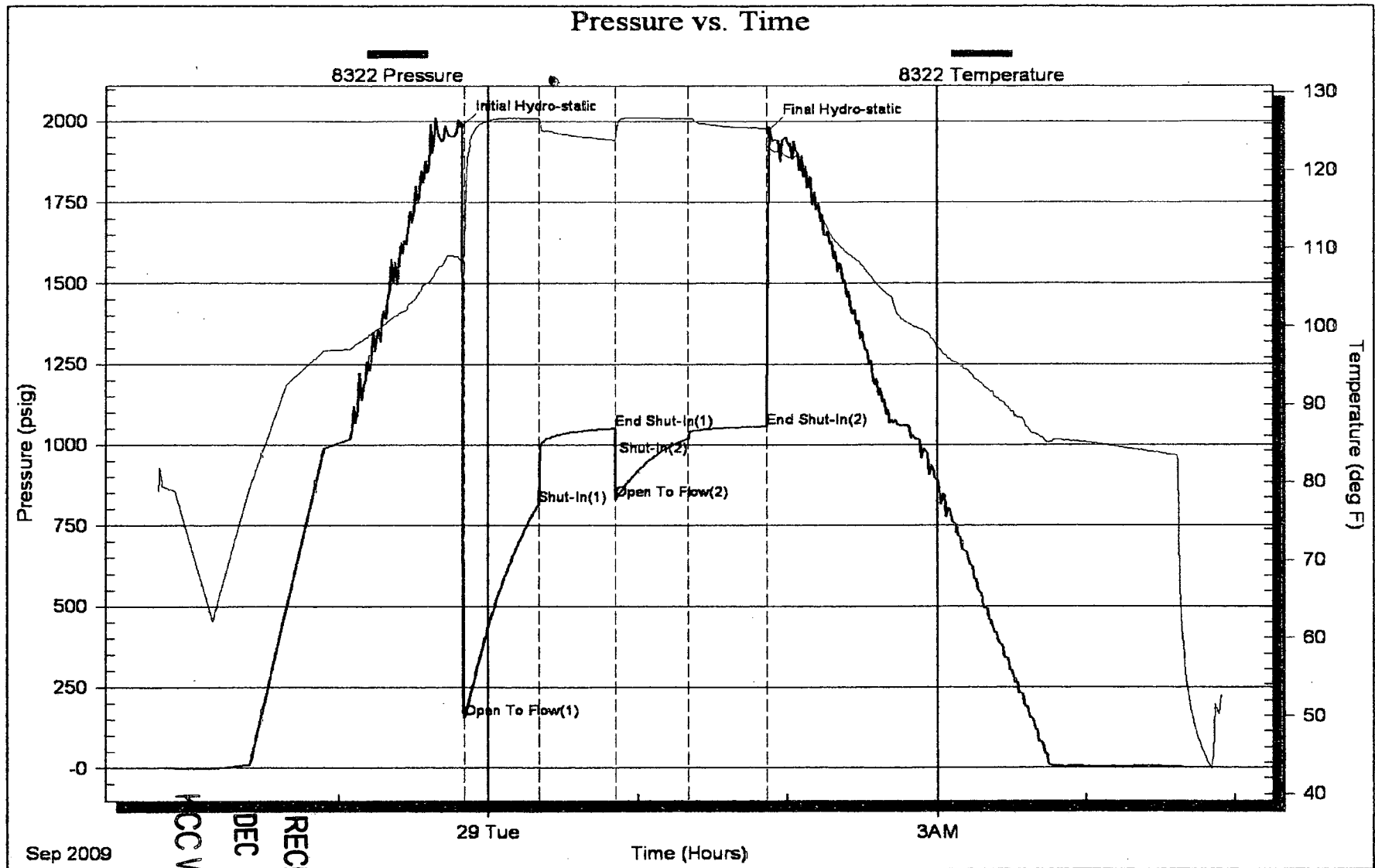
Length (ft)	Description	Volume (bbl)
15.00	M 100% m	0.22
2011.00	SMCW 98% w 2% m	29.41
124.00	WCM 20% w 80% m	1.81
0.00	GIP = 0	0.00
0.00	RW = .28 @ 40F = 48000 ppm	0.00

## Gas Rates

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

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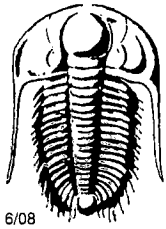
Sep 2009

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HCC WICHITA

29 Tue

Time (Hours)

3AM



# TRILOBITE TESTING INC.

34876

P.O. Box 1733 • Hays, Kansas 67601

## Test Ticket

Well Name & No. Direen #2A Test No. 5 Date 9-30-09  
 Company Double Eagle Zone Tested Lans "I, J, K"  
 Address 2910 Central Park CT, Wichita KS 67205 Elevation 2856 KB 2343 GL  
 Co. Rep / Geo. Don Rider Rig Maverick #102  
 Location: Sec. 26 Twp. 16s Rge. 30w Co. Lane State KS  
 Comment: \_\_\_\_\_

Interval Tested 4160-4250 Drill Pipe Size 4 1/2 x 4  
 Anchor Length 90' Wt. Pipe Run 0  
 Top Packer Depth 4155 Drill Collar Run 0  
 Bottom Packer Depth 4160 Ft. Run 4162  
 Total Depth 4250 Recorder #(s) 8322 & 6741 @ 4/161  
 Blow Description IF: Built to 7 1/2 inches. IFP: 24-50  
70% No returns. ISP: 903 Mud Hydro  
FF: Built to 7 1/2 inches. FFP: 58-100 2013-2010  
F: No return. FSP: 884

Recovery - Total Feet	GIP	Ft. in DC	Ft. in DP	%gas	%oil	%water	%mud
190	0	0	190			15%	85%
Rec. 160	Feet of SWCM						
Rec. 30	Feet of M						100%
Rec. .	Feet of						
Rec. _____	Feet of _____						
Rec. _____	Feet of _____						

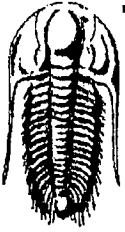
BHT \_\_\_\_\_ °F Gravity \_\_\_\_\_ °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides N/A ppm Recovery \_\_\_\_\_ Chlorides 2200 ppm System

IF <u>30</u>	<input checked="" type="checkbox"/> Test	<input type="checkbox"/> Sampler	<input type="checkbox"/> Day Standby
ISI <u>30</u>	<input type="checkbox"/> Jars	<input type="checkbox"/> Straddle	<input type="checkbox"/> Accessibility
FF <u>45</u>	<input checked="" type="checkbox"/> Safety Joint	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
FSI <u>60</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/A</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
T-on Loc <u>23:40 pm</u>	<input type="checkbox"/> Hourly Standby	<input type="checkbox"/> Extra Recorder	<input type="checkbox"/> Extra Copies
T-started <u>00:24 pm</u>	<input checked="" type="checkbox"/> Mileage <u>60 = 60.00</u>	<input type="checkbox"/> Other <b>RECEIVED</b>	
T-open <u>02:24 am</u>			
T-pulled <u>05:07 am</u>	Sub Total _____	Sub Total <b>DEC 16 2009</b>	Sub Total _____
T-out _____		<b>KCC WICHITA</b>	Total _____

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Approved By \_\_\_\_\_

Our Representative [Signature]



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Double Eagle  
8910 Central Park CT  
Wichita, KS 67205  
ATTN: Don Rider

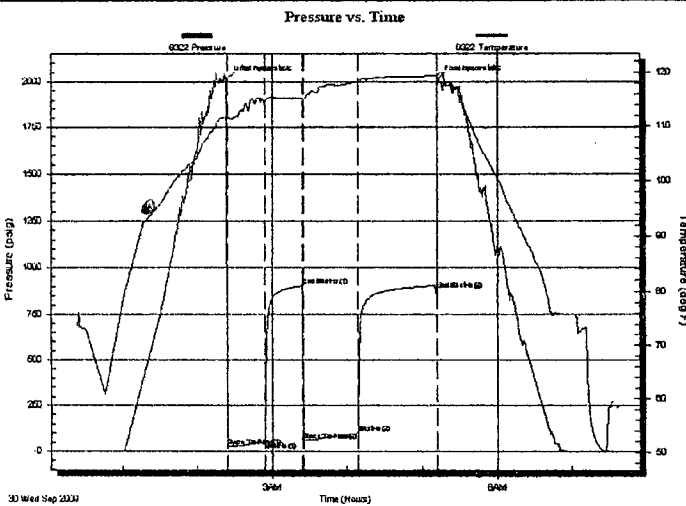
**Dirreen #2A**  
**26-16s-30w Lane**  
Job Ticket: 34876      **DST#: 6**  
Test Start: 2009.09.30 @ 00:24:05

### GENERAL INFORMATION:

Formation: <b>Lans, "I, J, K"</b>	Test Type: Conventional Bottom Hole
Deviated: No Whipstock      ft (KB)	Tester: Brandon Domsch
Time Tool Opened: 02:24:15	Unit No: 48
Time Test Ended: 07:33:14	Reference Elevations: 2856.00 ft (KB)
<b>Interval: 4160.00 ft (KB) To 4250.00 ft (KB) (TVD)</b>	2848.00 ft (CF)
Total Depth: 4250.00 ft (KB) (TVD)	KB to GR/CF: 8.00 ft
Hole Diameter: 7.88 inches Hole Condition: Fair	

<b>Serial #: 8322</b> <b>Inside</b>	Capacity: 8000.00 psig
Press@RunDepth: 100.49 psig @ 4161.00 ft (KB)	Last Calib.: 2009.09.30
Start Date: 2009.09.30      End Date: 2009.09.30	Time On Btm: 2009.09.30 @ 02:24:00
Start Time: 00:24:05      End Time: 07:33:14	Time Off Btm: 2009.09.30 @ 05:12:30

**TEST COMMENT:** IF: Built to 7 1/2 inches.  
IS: No return.  
FF: Built to 7 1/2 inches.  
FS: No retrun.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2013.16	111.59	Initial Hydro-static
1	24.66	111.16	Open To Flow (1)
31	50.82	114.27	Shut-In(1)
60	903.36	115.12	End Shut-In(1)
61	58.93	114.93	Open To Flow (2)
105	100.49	118.40	Shut-In(2)
168	884.33	119.34	End Shut-In(2)
169	2010.69	118.97	Final Hydro-static

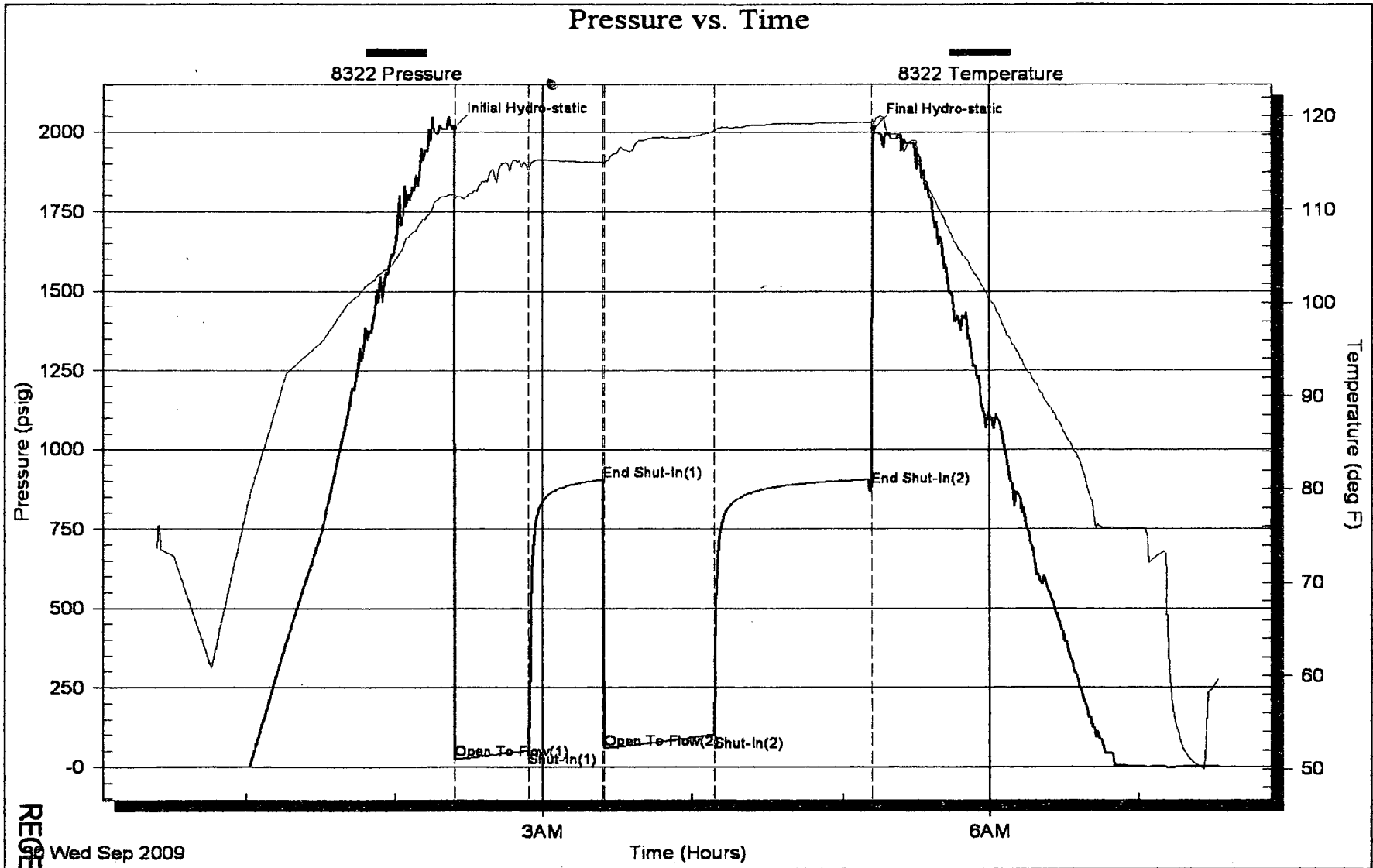
### Recovery

Length (ft)	Description	Volume (bbl)
30.00	M 100% m	0.44
160.00	SWCM 15%w 85% m	2.34
0.00	GIP = 0	0.00
0.00	RW = NA	0.00

### Gas Rates

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

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**KCC WICHITA**



KCC WICHITA

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Wed Sep 2009