

KANSAS CORPORATION COMMISSION
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

ORIGINAL

OPERATOR: License # 6677
Name: SANDLIN OIL CORPORATION
Address 1: 621 17TH STREET, SUITE 2055
Address 2: _____
City: DENVER State: CO Zip: 80293 + 2001
Contact Person: GARY SANDLIN
Phone: (303) 292-3313
CONTRACTOR: License # 33905
Name: ROYAL DRILLING INC.
Wellsite Geologist: HERB DEINES
Purchaser: NATIONAL COOPERATIVE REFINERY

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>12/8/2011</u>	<u>12/14/2011</u>	<u>1/1/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-26234-00-00
Spot Description: _____
SW SW SE - Sec. 15 Twp. 12 S. R. 18 East West
330 Feet from North / South Line of Section
2,310 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: ELLIS
Lease Name: KARLIN Well #: 4
Field Name: BEEMIS SHUTTS
Producing Formation: ARBUCKLE
Elevation: Ground: 2172 Kelly Bushing: 2177
Total Depth: 3900 Plug Back Total Depth: 3733
Amount of Surface Pipe Set and Cemented at: 220 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: _____
feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 88000 ppm Fluid volume: 800 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 #: _____

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.

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.

Signature: Gary Sandlin
Title: PRESIDENT SANDLIN OIL CORP Date: 2/20/2012

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: Dg

Date: 2/28/12

RECEIVED

FEB 23 2012

KCC WICHITA

Operator Name: SANDLIN OIL CORPORATION Lease Name: KARLIN Well #: 4
 Sec. 15 Twp. 12 S. R. 18 East West County: ELLIS

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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: DIL, SONIC, MICRO, CDNL, BOND	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>HEEBNER</td> <td>3484</td> <td>-1207</td> </tr> <tr> <td>LANSING</td> <td>3432</td> <td>-1255</td> </tr> <tr> <td>BASE KC</td> <td>3891</td> <td>-1514</td> </tr> <tr> <td>ARBUCKLE</td> <td>3703</td> <td>-1555</td> </tr> </tbody> </table>	Name	Top	Datum	HEEBNER	3484	-1207	LANSING	3432	-1255	BASE KC	3891	-1514	ARBUCKLE	3703	-1555
Name	Top	Datum														
HEEBNER	3484	-1207														
LANSING	3432	-1255														
BASE KC	3891	-1514														
ARBUCKLE	3703	-1555														

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
SURFACE	12.25	8.625	20	220	COMMON	180	3%CC, 2% GEL
PRODUCTION	7.875	5.5	14	3886	COMMON	150	10% SALT, 2% GEL
PORT COLLAR				2030	60/40 LT	385	1/4 FLOEALSK, 2% XSAND

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 checked="" type="checkbox"/> Plug Off Zone	3740	COMMON	70	FL-10 FRICTION REDUCER
	3745	PLUG 3830		

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
4	3712 - 3724		

TUBING RECORD:	Size: <u>2-3/8</u>	Set At: <u>3730</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.		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>12</u>	Gas Mcf	Water Bbls. <u>0</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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3712-3724</u>
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ALLIED CEMENTING CO., LLC. 038213

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

SERVICE POINT:
Russell, KS.

DATE <u>12-8-2011</u>	SEC. <u>15</u>	TWP. <u>12S</u>	RANGE <u>18W</u>	CALLED OUT	ON LOCATION	JOB START <u>10:00 AM</u>	JOB FINISH <u>10:30 PM</u>
LEASE <u>KARLIN</u>	WELL # <u>4</u>	LOCATION <u>HAYS 7N 4E Y4 N.</u>		COUNTY <u>ELLIS</u>	STATE <u>KANSAS</u>		
OLD OR NEW (Circle one)							

CONTRACTOR <u>Royal Dalg, Ryt #1</u>	OWNER
TYPE OF JOB <u>Cement Surface</u>	
HOLESIZE <u>12 1/4</u>	T.D. <u>221</u>
CASING SIZE <u>8 5/8 (New)</u>	DEPTH <u>230</u>
TUBING SIZE <u>20# CSG</u>	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>	
PERFS.	
DISPLACEMENT <u>13 BBL</u>	
EQUIPMENT	
PUMP TRUCK CEMENTER <u>Glen</u>	
# <u>417</u> HELPER <u>Woody</u>	
BULK TRUCK	
# <u>413</u> DRIVER <u>Cody</u>	
BULK TRUCK	
# DRIVER	
CEMENT	
AMOUNT ORDERED <u>180 SX Comm</u>	
	<u>390 CC</u>
	<u>2% Gel</u>
COMMON <u>180</u>	@ <u>16.25</u> <u>2925.00</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>188</u>	@ <u>225</u> <u>423.00</u>
MILEAGE <u>188/11/60</u>	@ <u>1240.80</u>
TOTAL	<u>4943.55</u>

REMARKS:

Ran 5 New JT's of 8 5/8 20# csg,
Set @ 220 Reviewed Circulation
& cement w/ 180 SX Comm 390cc
2% Gel, Displace 13 BBL @ 250 #
Behind & shut in @ 250 #
Cement did circulate
to surface ~~2000~~

SERVICE

DEPTH OF JOB	
PUMP TRUCK CHARGE	<u>1125.00</u>
EXTRA FOOTAGE	@
MILEAGE <u>HV 60</u>	@ <u>7.00</u> <u>420.00</u>
MANIFOLD	@
<u>LV 60</u>	@ <u>4.00</u> <u>240.00</u>
TOTAL	<u>1785.00</u>

CHARGE TO Sandlin Oil Corporation
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

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 Tom Blake

SALES TAX (If Any) _____
TOTAL CHARGES 6728.55
DISCOUNT _____ IF PAID IN 30 DAYS

RECEIVED
FEB 23 2012
KCC WICHITA

ALLIED CEMENTING CO., LLC. 038216

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

SERVICE POINT:
Russell Ks.

DATE <u>12-14-2011</u>	SEC. <u>15</u>	TWP. <u>12 S</u>	RANGE <u>18 W</u>	CALLED OUT	ON LOCATION	JOB START <u>8:30 PM</u>	JOB FINISH <u>9:00 PM</u>
LEASE <u>KARLIN</u>		WELL # <u>4</u>		LOCATION <u>Hays Ks. 7 1/2 E 1/4 N 12th</u>		COUNTY <u>ELLIS</u>	STATE <u>KANSAS</u>
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR Royal DRG. Rig #1
 TYPE OF JOB PRODUCTION STRING
 HOLE SIZE 7 7/8 RTD T.D. 3900
 CASING SIZE 5 1/2 New DEPTH 3886
 TUBING SIZE 1 1/2 # CSG. DEPTH
 DRILL PIPE DEPTH
 TOOL AFU INSERT DEPTH 3184
 PRES. MAX MINIMUM
~~MISSING~~ Port Collar @ SHOE JOINT 42.50
 CEMENT LEFT IN CSG. 42.50
 PERFS.
 DISPLACEMENT 93.80 / BBL

OWNER
 CEMENT
 AMOUNT ORDERED 150 sx Comm.
10% Salt 2% Gel

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		@		
ASC		@		
<u>Salt</u>	<u>8.25</u>	@	<u>23.95</u>	<u>197.58</u>
HANDLING	<u>161</u>	@	<u>2.25</u>	<u>362.25</u>
MILEAGE	<u>161 x .11 x 60</u>			<u>1062.60</u>
TOTAL				<u>4123.68</u>

EQUIPMENT

PUMP TRUCK CEMENTER G/LENN
 # 417 HELPER WOODY
 BULK TRUCK
 # 378 DRIVER CODY
 BULK TRUCK
 # DRIVER

REMARKS:

(PORT COLLAR ON # 44 2035)

Ran New JT'S off 14# CSG.
Set @ 3886, received CIRCULATIONAL,
30 MIN. ON BOTTOM, MIX MUD FLUSH, &
Cement w/ 10.5 sx Comm. 10% salt 2% gel
Clear-Lide, Release RUBBER PLUG,
& Displace 93.80 BBL H2O, LAND
Plug @ #. Release PRESSURE & FLOAT

30sx @ RAT Hole
1.5sx @ mouse Hole

CHARGE TO: SANDLIN OIL CORP.
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>2225.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>HV 60</u>	@	<u>7.00</u>	<u>420.00</u>
MANIFOLD	<u>LV 60</u>	@	<u>4.00</u>	<u>240.00</u>
TOTAL				<u>2885.00</u>

PLUG & FLOAT EQUIPMENT

IR	<u>SOLID RUBBER PLUG</u>			<u>73.00</u>
W	<u>GUIDE SHOE</u>	@		<u>240.00</u>
W	<u>AFU-INSERT</u>	@		<u>256.00</u>
W	<u>1 BASKET</u>	@		<u>337.00</u>
W	<u>4 CENTRALIZERS</u>	@	<u>49.00</u>	<u>196.00</u>
IR.	<u>1-PORT COLLAR</u>	@		<u>1820.00</u>
TOTAL				<u>2952.00</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 _____

ALLIED CEMENTING CO.. LLC. 038221

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

SERVICE POINT:
Russell Ks.

DATE <u>12-19-2011</u>	SEC. <u>15</u>	TWP. <u>12</u>	RANGE <u>18</u>	CALLED OUT	ON LOCATION	JOB START <u>6:00PM</u>	JOB FINISH <u>6:30PM</u>
LEASE <u>KARLIN</u>	WELL # <u>4</u>	LOCATION <u>Harris Ks. 2N 1/2 E 14N 200</u>		COUNTY <u>ELLIS</u>	STATE <u>KANSAS</u>		
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR Express Well Service
 TYPE OF JOB Circulate Cement on Port Collar
 HOLE SIZE _____ T.D. 3900'
 CASING SIZE 5 1/2 DEPTH 3886
 TUBING SIZE 2 3/8 DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL PORT Collar @ DEPTH 2030
 PRES. MAX 1,000 # MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 42.80
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT T-7.80 / Gave 6 3/4 BBL
 EQUIPMENT _____
 PUMP TRUCK CEMENTER Glenny
 # 417 HELPER Woody
 BULK TRUCK _____
 # 423 DRIVER Cody
 BULK TRUCK _____
 # _____ DRIVER _____

OWNER _____
 CEMENT
 AMOUNT ORDERED 385 SX 60 Lite-Wt
w/ 1/4 # FO - Seal Per SX
2 SX SAND
 COMMON 231 SX @ 16.25 3753.75
 POZMIX 154 SX @ 8.50 1309.00
 GEL 13 SX @ 21.25 276.25
 CHLORIDE _____ @ _____
 ASC _____ @ _____
 SAND 2 SX @ 13.10 26.20
 FLO-Seal 85 LBS @ 2.70 229.50
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 400 @ 2.25 900.00
 MILEAGE 8 TON Mile 35.2 0.00
 TOTAL 6846.70

REMARKS:

Ran 2 3/8 Tubing w/ PC opening Tool to 2030'
Valve & Pressure gauge on Backside, Valve on
Tubing, Pumped 3 BBL H2O, + Received Circulation
Pressure to 1,000# + Shut in, Leaked to
"O" PSI in 7 minutes, Spd 2 SX SAND @
380', ReTest to 1,000#, Same Bleed-off
Decide to open PC, + Circulate Cement,
used 385 SX Lite-wt. Cement
Circulated to surface, Ran 7-JTS
+ washed clean, came out of hole w/ tubing,
 CHARGE TO: SANDLIN OIL

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE 2225.00
 EXTRA FOOTAGE @ _____
 MILEAGE 8 HV ME @ 7.00 56.00
 MANIFOLD @ _____
 8 LYNT @ 4.00 32.00
 _____ @ _____
 TOTAL 2313.00

PLUG & FLOAT EQUIPMENT

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

SALES TAX (If Any) _____
 TOTAL CHARGES 9159.70
 DISCOUNT _____ IF PAID IN 30 DAYS

STREET _____
 CITY _____ STATE _____ ZIP _____

Cement DID circulate to
surface. Pat STAB - KCC ON
LOCATION.

THANKS

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 Frank Parker

RECEIVED
 FEB 23 2012
 KCC WICHITA

ALLIED CEMENTING CO., LLC. 038223

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

SERVICE POINT

Russell, Ks.

DATE <u>12-22-2011</u>	SEC. <u>15</u>	TWP. <u>12S</u>	RANGE <u>16W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 PM</u>	JOB FINISH <u>4:30 PM</u>
LEASE <u>KARLIN</u>	WELL # <u>4</u>	LOCATION <u>Hays 7 N 1/2 E 1/4 N 120</u>			COUNTY <u>Ellis</u>	STATE <u>KANSAS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR <u>Express Well Service</u>	OWNER
TYPE OF JOB <u>Squeeze "ARB" Pore w/ Retainer</u>	CEMENT
HOLE SIZE _____ T.D. _____	AMOUNT ORDERED <u>70 SX Cem.</u>
CASING SIZE <u>5 1/2</u>	DEPTH _____
TUBING SIZE <u>2 3/8</u>	DEPTH _____
DRILL PIPE _____	DEPTH _____
TOOL Cement Retainer DEPTH <u>3735</u>	COMMON <u>70 SX</u> @ <u>16.25</u> <u>1137.50</u>
PRES. MAX <u>2500 #</u>	MINIMUM <u>1,000 #</u>
MEAS. LINE _____	SHOE JOINT _____
CEMENT LEFT IN CSG. _____	POZMIX _____ @ _____
PERFS. @ <u>3740 - 3745 (10 Holes)</u>	GEL _____ @ _____
DISPLACEMENT <u>7-14 1/2 BBL</u>	CHLORIDE _____ @ _____
EQUIPMENT <u>3700</u>	ASC _____ @ _____
<u>3740</u>	<u>FL-10 Friction Reducer 7 #</u> @ <u>16.60</u> <u>116.20</u>
<u>160 FT = 25 SX cement</u>	_____ @ _____
PUMP TRUCK CEMENTER <u>Allen</u>	_____ @ _____
# <u>417</u> HELPER <u>Woody</u>	_____ @ _____
BULK TRUCK _____	_____ @ _____
# <u>378</u> DRIVER <u>Tony</u>	_____ @ _____
BULK TRUCK _____	_____ @ _____
# _____ DRIVER _____	_____ @ _____
HANDLING <u>70 Total SX</u> @ <u>Ymen</u> <u>344.00</u>	_____ @ _____
MILEAGE <u>8 Ton/line</u> @ _____ <u>61.60</u>	_____ @ _____
TOTAL <u>1659.30</u>	

REMARKS:

* PERF @ 3740-3745 w/ 10 Holes.
Set Perm. Plug @ 3830, Set Cement Retainer @ 3735, 2 3/8 tubing w/ Stinger @ 3733, Load Hole, Recirculate Circ, Close Backline Valve + Press CSG to 1000# (Held) Stng INTO Cement Retainer, Took Insecticidal Rate of 1/2 Bbl @ 1300#, mixed 70 SX Cem. Cement First 25 SX w/ Friction Reducer. Displaced a total of 12 BBL @ 1/2" + HAD Running Squeeze @ 2500# (held for 15 min)

SERVICE	
DEPTH OF JOB _____	
PUMP TRUCK CHARGE _____	<u>1050.00</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE <u>8 H VMT</u> @ <u>7.00</u> <u>56.00</u>	
MANIFOLD _____ @ _____	
<u>8 H VMT</u> @ <u>4.00</u> <u>32.00</u>	
TOTAL <u>1138.00</u>	

CHARGE TO: SANDLIN OIL CORPORATION
STREET _____

CITY _____ STATE _____ ZIP _____
With 2500# PSI ON TUBING, Pulled out of Retainer + WASHED Clean, Short way, Pumped 35 BBL. GOT APPROX 60 SX Cement IN (PERF @ 3740-45) (PERFECT Fill Between 2 7/8 + 5 1/2" (25 SX) Thanks
To Allied Cementing Co., LLC (160 FT)

PLUG & FLOAT EQUIPMENT

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

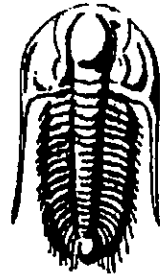
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on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

SALES TAX (If Any) _____	
TOTAL CHARGES <u>2797.30</u>	
DISCOUNT _____	IF PAID IN 30 DAYS

PRINTED NAME Fred Barber
SIGNATURE Fred Barber

No Charge

RECEIVED
FEB 23 2012
KCC WICHITA



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Sandlin Oil Corporation**

621 17th St
Ste 2055
Denver CO 80293-2001

ATTN: Gary Sandlin

Karlin #4

15-12s-18w Ellis,KS

Start Date: 2011.12.13 @ 03:45:14

End Date: 2011.12.13 @ 08:39:08

Job Ticket #: 46015 DST #: 1

RECEIVED

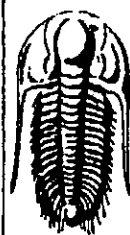
FEB 23 2012

KCC WICHITA

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2011.12.15 @ 15:07:26

Sandlin Oil Corporation
15-12s-18w Ellis,KS
Karlin #4
DST # 1
Arbuckle
2011.12.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sandlin Oil Corporation
621 17th St
Ste 2055
Denver CO 80293-2001
ATTN: Gary Sandlin

15-12s-18w Ellis,KS

Karlin #4
Job Ticket: 46015 **DST#: 1**
Test Start: 2011.12.13 @ 03:45:14

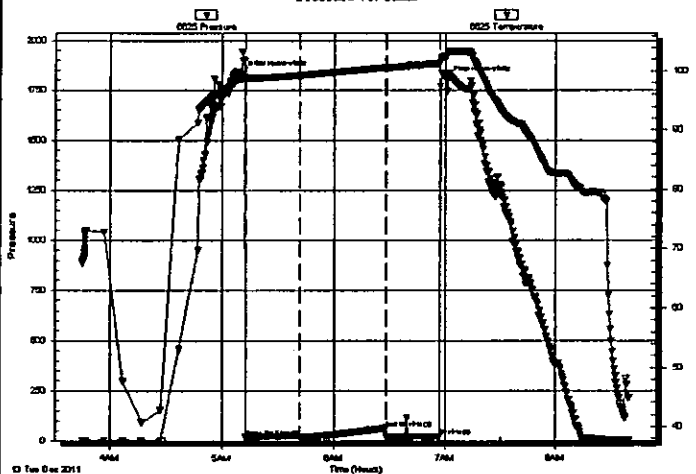
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 05:12:09
Time Test Ended: 08:39:08
Interval: **3646.00 ft (KB) To 3710.00 ft (KB) (TVD)**
Total Depth: **3710.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Ray Schwager
Unit No: 42
Reference Elevations: 2176.00 ft (KB)
2171.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 6625 Inside
Press@RunDepth: 21.94 psig @ 3650.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.12.13 End Date: 2011.12.13 Last Calib.: 2011.12.13
Start Time: 03:45:14 End Time: 08:39:08 Time On Btm: 2011.12.13 @ 05:09:39
Time Off Btm: 2011.12.13 @ 07:00:09

TEST COMMENT: 30-IFP-w k bl 1/4"to 1/2"bl
45-ISIP-no bl
30-FFP-no bl,flushed tool
pulled tool

Pressure vs. Time



PRESSURE SUMMARY

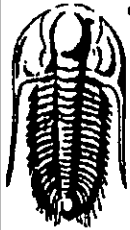
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1831.97	98.48	Initial Hydro-static
3	19.81	98.61	Open To Flow (1)
32	21.94	99.18	Shut-In(1)
78	60.21	100.49	End Shut-In(1)
79	20.46	100.48	Open To Flow (2)
107	22.80	101.29	Shut-In(2)
111	1799.73	102.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Mud w/show of oil	0.07

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Sandlin Oil Corporation
621 17th St
Ste 2055
Denver CO 80293-2001
ATTN: Gary Sandlin

15-12s-18w Ells,KS
Karlin #4
Job Ticket: 46015 DST#: 1
Test Start: 2011.12.13 @ 03:45:14

Tool Information

Drill Pipe:	Length: 3637.00 ft	Diameter: 3.80 inches	Volume: 51.02 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 51.02 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3646.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	31.00 ft			
Tool Length:	52.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

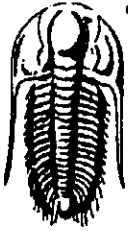
Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Change Over Sub	1.00			3626.00	
Shut In Tool	5.00			3631.00	
Hydraulic tool	5.00			3636.00	
Packer	5.00			3641.00	21.00 Bottom Of Top Packer
Packer	5.00			3646.00	
Stubb	1.00			3647.00	
Perforations	3.00			3650.00	
Recorder	0.00	6625	Inside	3650.00	
Recorder	0.00	8700	Outside	3650.00	
Perforations	24.00			3674.00	
Bullnose	3.00			3677.00	31.00 Bottom Packers & Anchor

Total Tool Length: 52.00

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sandlin Oil Corporation

15-12s-18w Ellis,KS

621 17th St
Ste 2055
Denver CO 80293-2001
ATTN: Gary Sandlin

Karlin #4
Job Ticket: 46015 **DST#: 1**
Test Start: 2011.12.13 @ 03:45:14

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: 58.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.74 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Mud w/show of oil	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 6625

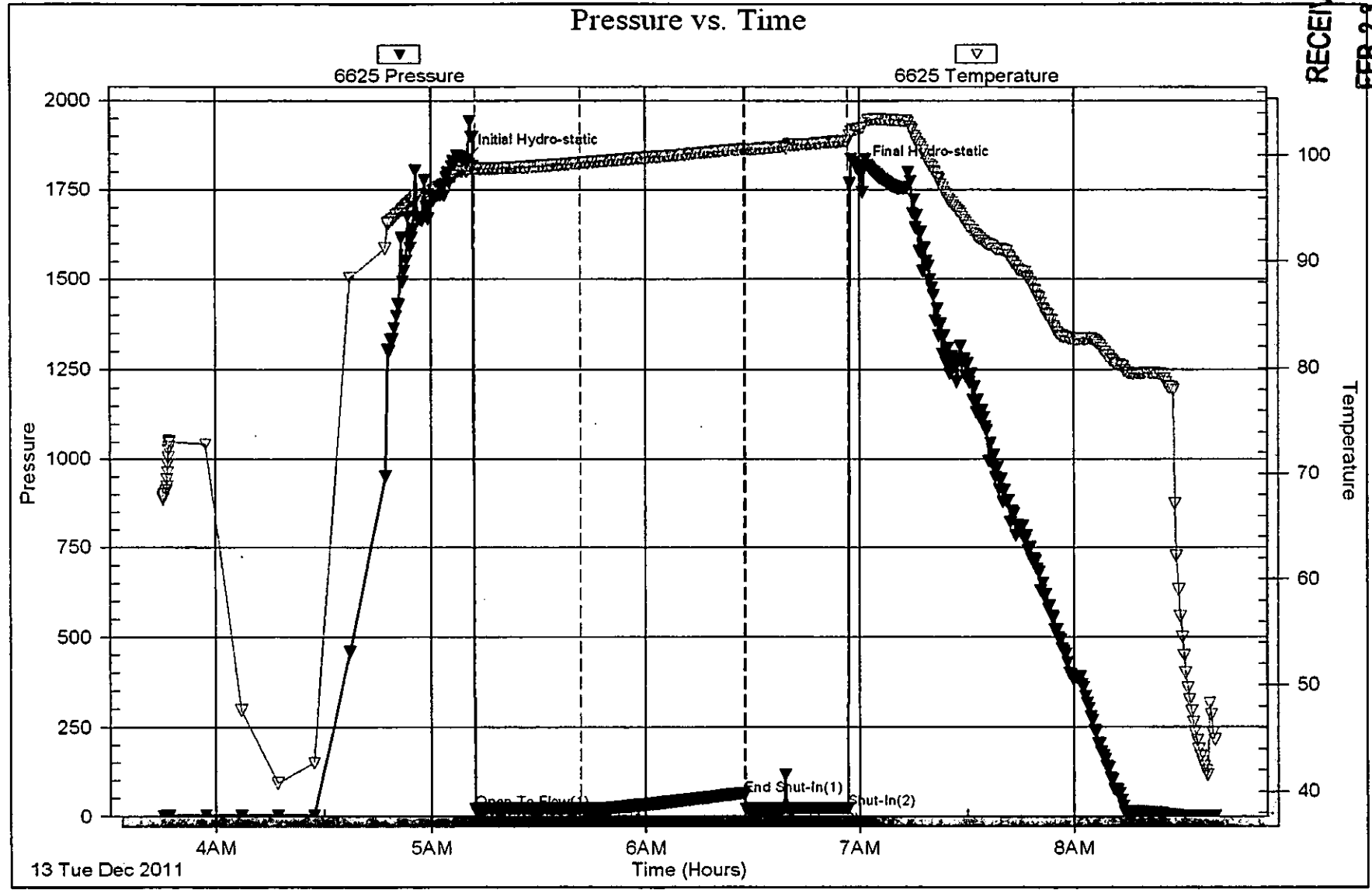
Inside

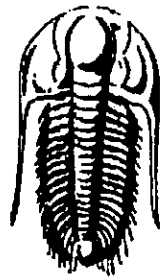
Sandlin Oil Corporation

Karlin #4

DST Test Number: 1

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Sandlin Oil Corporation**

621 17th St
Ste 2055
Denver CO 80293-2001

ATTN: Gary Sandlin

Karlin #4

15-12s-18w Ellis,KS

Start Date: 2011.12.13 @ 21:35:32

End Date: 2011.12.14 @ 04:11:56

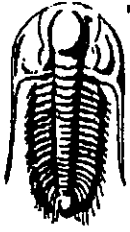
Job Ticket #: 46016 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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Printed: 2011.12.15 @ 15:07:47

Sandlin Oil Corporation
15-12s-18w Ellis,KS
Karlin #4
DST # 2
Arbuckle
2011.12.13



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sandlin Oil Corporation
621 17th St
Ste 2055
Denver CO 80293-2001
ATTN: Gary Sandlin

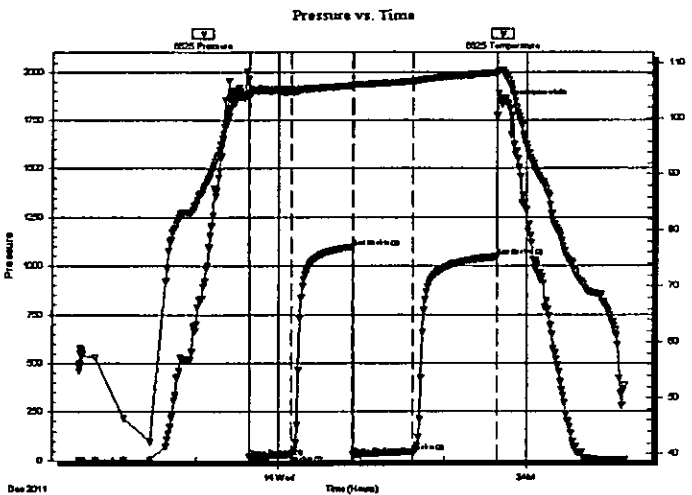
15-12s-18w Ellis,KS
Karlin #4
Job Ticket: 46016 **DST#: 2**
Test Start: 2011.12.13 @ 21:35:32

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 23:38:27
Time Test Ended: 04:11:56
Interval: **3712.00 ft (KB) To 3726.00 ft (KB) (TVD)**
Total Depth: **3780.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: Fair
Test Type: **Conventional Straddle (Reset)**
Tester: **Ray Schwager**
Unit No: **42**
Reference Elevations: **2176.00 ft (KB)**
2171.00 ft (CF)
KB to GR/CF: **5.00 ft**

Serial #: 6625 **Inside**
Press@RunDepth: **44.58 psig @ 3717.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.12.13** End Date: **2011.12.14** Last Calib.: **2011.12.14**
Start Time: **21:35:32** End Time: **04:11:56** Time On Btm: **2011.12.13 @ 23:34:57**
Time Off Btm: **2011.12.14 @ 02:42:26**

TEST COMMENT: 30-IFP-w k bl 1/2" to 2 1/4" bl
45-ISIP-no bl
45-FFP-w k bl surface to 1" bl
60-FSIP-no bl



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1858.17	103.84	Initial Hydro-static
4	17.81	104.34	Open To Flow (1)
34	27.83	104.77	Shut-In(1)
79	1096.56	105.90	End Shut-In(1)
80	29.56	106.07	Open To Flow (2)
122	44.58	106.68	Shut-In(2)
184	1045.31	108.22	End Shut-In(2)
188	1835.62	108.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	CO	0.84
30.00	MO 30% M70% O	0.42

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Sandlin Oil Corporation
621 17th St
Ste 2055
Denver CO 80293-2001
ATTN: Gary Sandlin

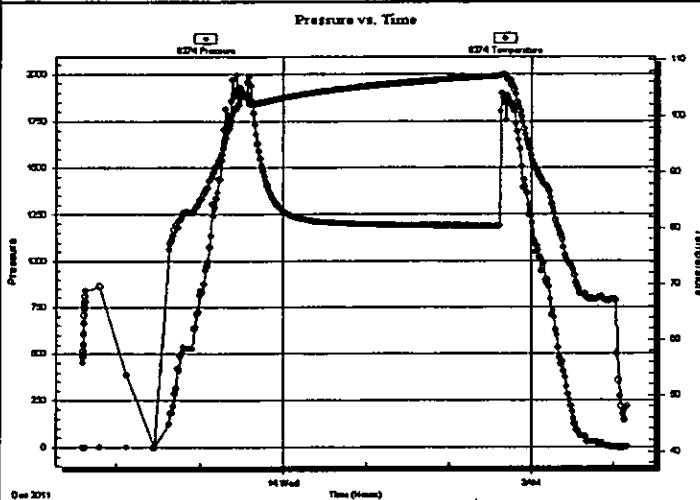
15-12s-18w Ellis,KS
Karlin #4
Job Ticket: 46016 **DST#: 2**
Test Start: 2011.12.13 @ 21:35:32

GENERAL INFORMATION:

Formation: Arbuckle		Test Type: Conventional Straddle (Reset)
Deviated: No Whipstock ft (KB)		Tester: Ray Schwager
Time Tool Opened: 23:38:27		Unit No: 42
Time Test Ended: 04:11:56		
Interval: 3712.00 ft (KB) To 3726.00 ft (KB) (TVD)		Reference Elevations: 2176.00 ft (KB)
Total Depth: 3780.00 ft (KB) (TVD)		2171.00 ft (CF)
Hole Diameter: 7.88 inches	Hole Condition: Fair	KB to GR/CF: 5.00 ft

Serial #: 8374	Below (Straddle)				
Press@RunDepth: psig @ 3748.00 ft (KB)		Capacity: 8000.00 psig			
Start Date: 2011.12.13	End Date: 2011.12.14	Last Calib.: 2011.12.14			
Start Time: 21:35:20	End Time: 04:10:14	Time On Btrr			
		Time Off Btrr			

TEST COMMENT: 30-IFP-w k bl 1/2" to 2 1/4" bl
45-ISIP-no bl
45-FFP-w k bl surface to 1" bl
60-FSIP-no bl



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

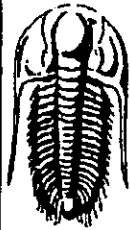
Length (ft)	Description	Volume (bbl)
60.00	OO	0.84
30.00	MO 30% M70% O	0.42

* Recovery from multiple tests

Gas Rates

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

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DRILL STEM TEST REPORT

TOOL DIAGRAM

Sandlin Oil Corporation

15-12s-18w Ellis,KS

621 17th St
Ste 2055
Denver CO 80293-2001
ATTN: Gary Sandlin

Karlin #4

Job Ticket: 46016

DST#: 2

Test Start: 2011.12.13 @ 21:35:32

Tool Information

Drill Pipe:	Length: 3710.00 ft	Diameter: 3.80 inches	Volume: 52.04 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 52.04 bbl</u>	Tool Chased: 0.00 ft
Drill Pipe Above KB:	19.00 ft			String Weight: Initial 46000.00 lb
Depth to Top Packer:	3712.00 ft			Final 47000.00 lb
Depth to Bottom Packer:	3726.00 ft			
Interval between Packers:	14.00 ft			
Tool Length:	93.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3692.00	
Shut In Tool	5.00			3697.00	
Hydraulic tool	5.00			3702.00	
Packer	5.00			3707.00	21.00 Bottom Of Top Packer
Packer	5.00			3712.00	
Stubb	1.00			3713.00	
Perforations	4.00			3717.00	
Recorder	0.00	6625	Inside	3717.00	
Recorder	0.00	8700	Outside	3717.00	
Perforations	5.00			3722.00	
Blank Off Sub	1.00			3723.00	
Blank Spacing	3.00			3726.00	14.00 Tool Interval
Packer	5.00			3731.00	
Stubb	1.00			3732.00	
Perforations	16.00			3748.00	
Recorder	0.00	8374	Below	3748.00	
Blank Spacing	33.00			3781.00	
Bullnose	3.00			3784.00	58.00 Bottom Packers & Anchor

Total Tool Length: 93.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Sandlin Oil Corporation

15-12s-18w Ellis,KS

621 17th St
Ste 2055
Denver CO 80293-2001
ATTN: Gary Sandlin

Karlin #4
Job Ticket: 46016 DST#: 2
Test Start: 2011.12.13 @ 21:35:32

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 24 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.73 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: 1.00 inches		

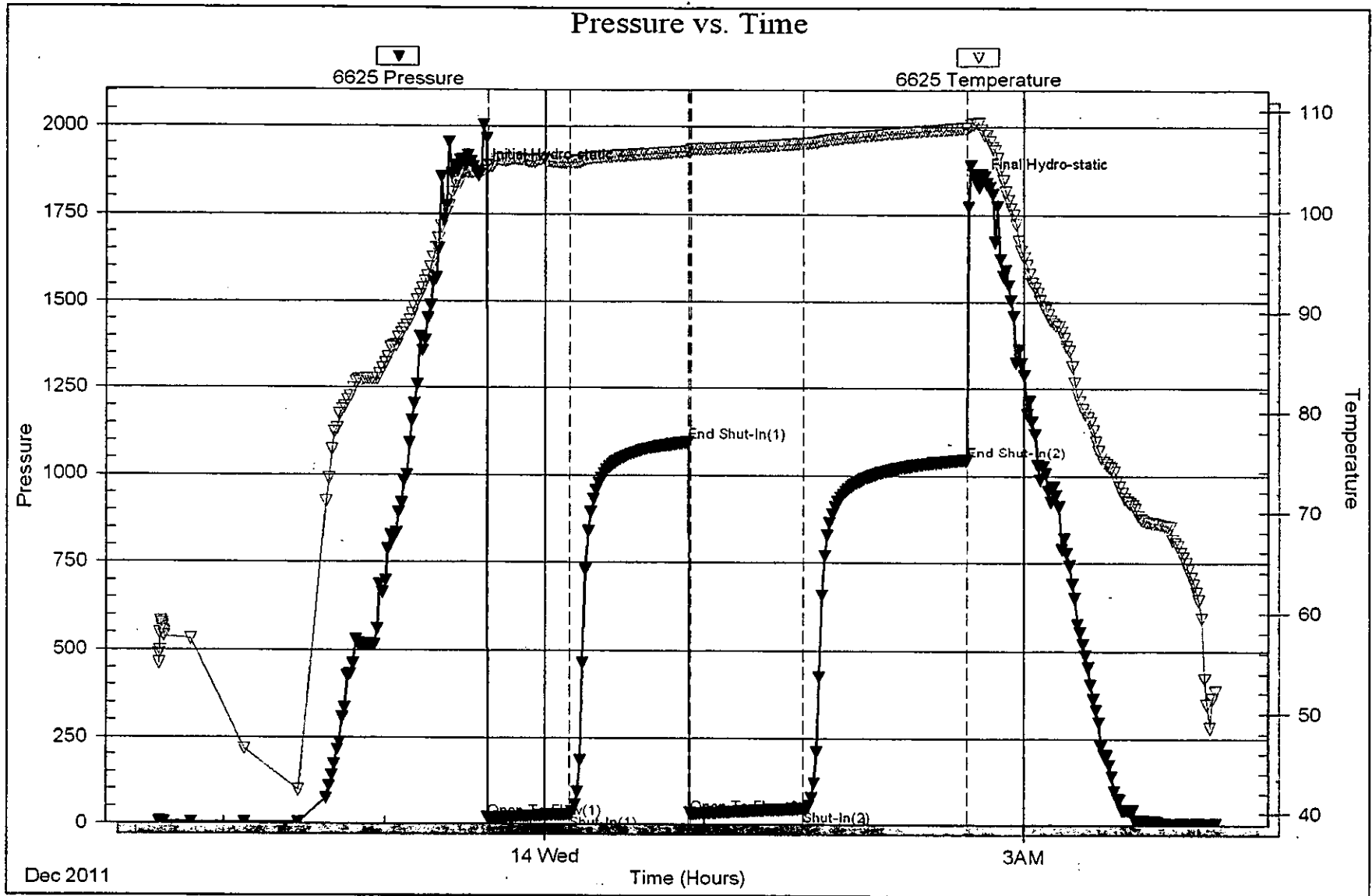
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	CO	0.842
30.00	MO 30%M70%O	0.421

Total Length: 90.00 ft Total Volume: 1.263 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

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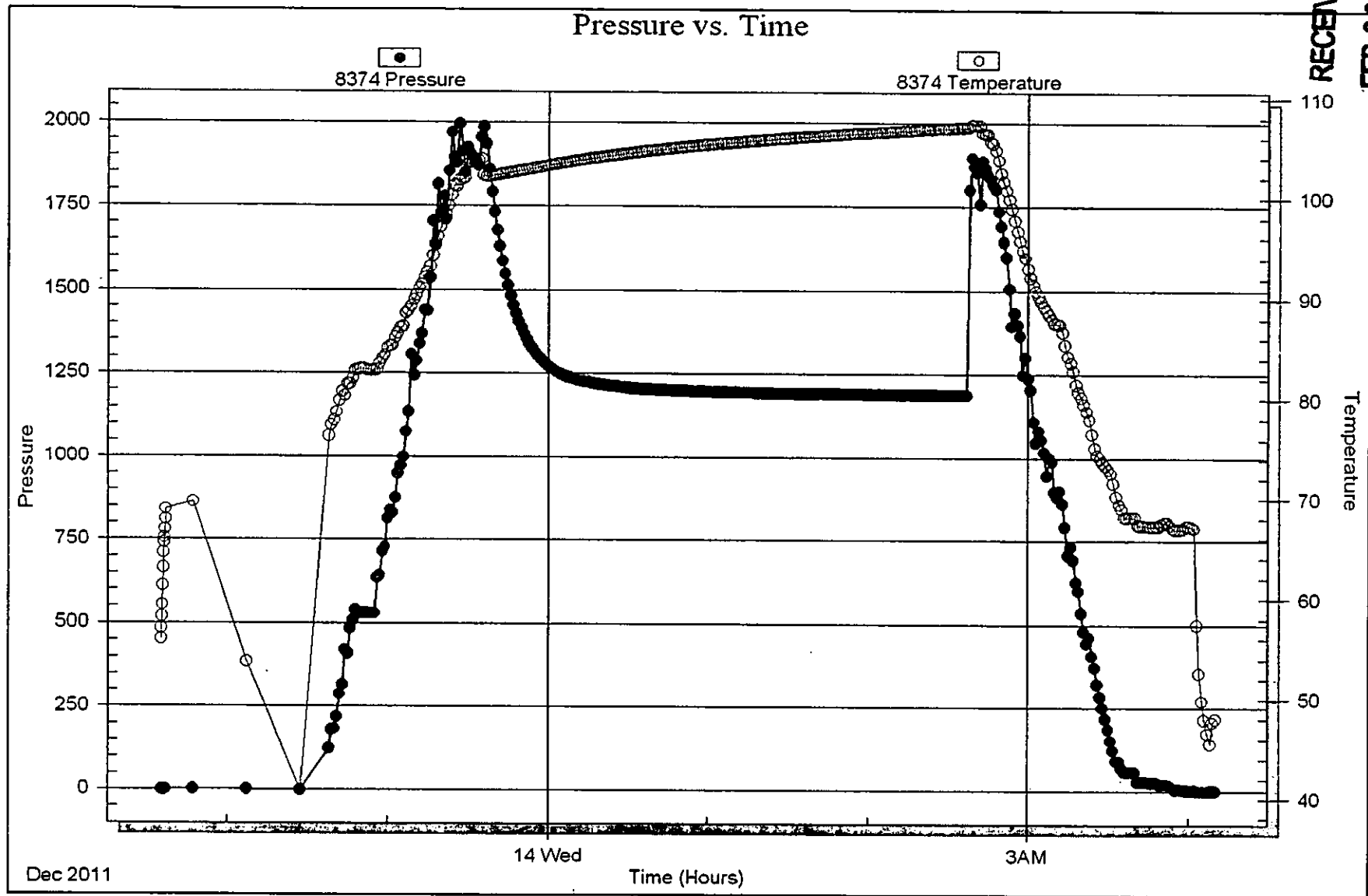


Serial #: 8374

Below (Stratton) Oil Corporation

Karlin #4

DST Test Number: 2



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