

OCT 05 2009

CONSERVATION DIVISION  
WICHITA, KS

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

ORIGINAL

OPERATOR: License # 32198  
Name: PETROSANTANDER (USA) INC  
Address 1: 6363 WOODWAY DR SUITE 350  
Address 2: \_\_\_\_\_  
City: HOUSTON State: TX Zip: 77057 + \_\_\_\_\_  
Contact Person: LILIANA HERNANDEZ  
Phone: ( 713 ) 784-8700  
CONTRACTOR: License # 33784  
Name: TRINIDAD DRILLING LIMITED  
Wellsite Geologist: \_\_\_\_\_  
Purchaser: \_\_\_\_\_

Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_  
\_\_\_\_\_ 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.: \_\_\_\_\_  
10-27-2007      11-05-2007      12-05-2007  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 119-21187-0000  
Spot Description: \_\_\_\_\_  
\_\_\_\_\_ W/2 \_\_\_\_\_ SW \_\_\_\_\_ SW Sec. 2 Twp. 33 S. R. 30  East  West  
660' Feet from  North /  South Line of Section  
625' Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: MEADE  
Lease Name: STEVENS UNIT Well #: SMU - 213  
Field Name: STEVENS  
Producing Formation: MORROW  
Elevation: Ground: 2720' Kelly Bushing: 2732'  
Total Depth: 5850' Plug Back Total Depth: 5847'  
Amount of Surface Pipe Set and Cemented at: 1513' 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/ \_\_\_\_\_

**Drilling Fluid Management Plan**  
*(Data must be collected from the Reserve Pit)*  
Chloride content: 2400 ppm Fluid volume: 1038 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.: \_\_\_\_\_

AT#1 - Dig - 10/16/09 <sup>SX cmt.</sup>

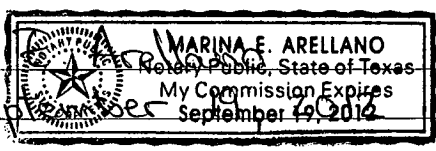
**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information 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: Liliana Hernandez  
Title: SENIOR ENGINEER Date: 10-01-2009

Subscribed and sworn to before me this 1 day of October

20 09  
Notary Public: Marina E. Arellano  
Date Commission Expires: September 19, 2010



**KCC Office Use ONLY**

Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

\_\_\_\_\_ Geologist Report Received

\_\_\_\_\_ UIC Distribution

Operator Name: PETROSANTANDER (USA) INC Lease Name: STEVENS UNIT Well #: SMU - 213  
 Sec. 2 Twp. 33 S. R. 30  East  West County: MEADE

**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 type="checkbox"/> Yes <input checked="" 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: Lithology Strip Log Computer Processed Interpretation Dual Induction Log Microresistivity Log Dual Compensated Porosity Log	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input checked="" 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>MARMATON</td> <td>5209'</td> <td>-2477</td> </tr> <tr> <td>PAWNEE</td> <td>5320'</td> <td>-2588</td> </tr> <tr> <td>CHEROKEE SH</td> <td>5382'</td> <td>-2650</td> </tr> <tr> <td>ATOKA MARKER</td> <td>5512'</td> <td>-2780</td> </tr> <tr> <td>MORROW SH</td> <td>5697'</td> <td>-2965</td> </tr> <tr> <td>MORROW SD</td> <td>5725'</td> <td>-2993'</td> </tr> <tr> <td>MISSISSIPPIAN</td> <td>5785'</td> <td>-3053'</td> </tr> </table>	Name	Top	Datum	MARMATON	5209'	-2477	PAWNEE	5320'	-2588	CHEROKEE SH	5382'	-2650	ATOKA MARKER	5512'	-2780	MORROW SH	5697'	-2965	MORROW SD	5725'	-2993'	MISSISSIPPIAN	5785'	-3053'
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**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
 OCT 05 2009  
 CONSERVATION DIVISION  
 WICHITA, KS

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
<b>SURFACE</b>	12-1/4"	8-5/8"	24#	1513'	LITE/Common	575/175	3%cc, 1/4# SK Flow Seal/ 3%cc
<b>PRODUCTION</b>	7-7/8"	5-1/2"	15.5#	5852'	ASC	275	

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 <i>(Amount and Kind of Material Used)</i>
4	5726' - 5736'	1000 gal 15% MCA w/Clay Stabilizer 40 ball sealer ISIP: 100psig-10 sec. to vac.

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>5784'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr. <u>12-13-2007</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>369</u>	Gas Mcf <u>0</u>
	Water Bbls. <u>70</u>	Gas-Oil Ratio <u>0</u>
		Gravity <u>1.4</u>

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>5726' - 5736'</u>
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# ALLIED CEMENTING CO., INC. 25404

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

SERVICE POINT:

Liberal

DATE <u>10/28/07</u>	SEC <u>2</u>	TWP <u>35</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:15 AM</u>	JOB FINISH <u>1:30 PM</u>
LEAS <u>SMU</u>	WELL # <u>2-13</u>	LOCATION <u>Plains 35 1E 35 E15</u>			COUNTY <u>Meade</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Trinidad #216

TYPE OF JOB Joint 9% Surface CSG

HOLE SIZE 12 1/2 T.D. 1516

CASING SIZE 8 1/2 DEPTH 1516

TUBING SIZE DEPTH

DEPTH PIPE DEPTH

TCO DEPTH

PRELIM MAX 50 MINIMUM 100

MANIFOLD LINE SHOE JOINT 40

CEMENT LEFT IN CSG. 70

PERIS.

DISPLACEMENT 94 H/L

OWNER Saint

CEMENT AMOUNT ORDERED

6000 lbs. Lite + 2200 lbs. 4 1/2" F. 10-500

1500 lbs. Class A + 3% CO

EQUIPMENT

PUMP TRUCK CEMENTER Max

# 38 HELPER Donny / Jason

BULL TRUCK

# 56 229 DRIVER Crabo

BULL TRUCK

# 57-403 DRIVER Terry

COMMON	<u>1500 lbs</u>	@	<u>12.60</u>	<u>1890.00</u>
POZMIX		@		
GEL		@		
CHLORIDE	<u>250 lbs</u>	@	<u>46.60</u>	<u>1165.00</u>
ASC		@		
Life weight	<u>6000</u>	@	<u>11.85</u>	<u>7110.00</u>
Flo-sol	<u>1500</u>	@	<u>2.00</u>	<u>3000.00</u>
		@		
		@		
		@		
HANDLING	<u>912 lbs</u>	@	<u>1.95</u>	<u>1583.40</u>
MILEAGE	<u>97.15</u>	@	<u>3.00</u>	<u>2914.50</u>
TOTAL				<u>14976.00</u>

REMARKS:

15% Surface Cement with 1000 lbs

1500 lbs Class A Drop Plug

1500 lbs 94 H/L Local Plug

1000 lbs Head

Cement Displacement

SERVICE

DEPTH OF JOB	<u>1516</u>	FT
PUMP TRUCK CHARGE		<u>1610.00</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>40</u>	@ <u>6.00</u> <u>240.00</u>
MANIFOLD	@	
Head Rental	@	<u>100.00</u>
TOTAL <u>1950.00</u>		

CHARGE TO: PetroSantander USA

STREET \_\_\_\_\_

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

PLUG & FLOAT EQUIPMENT

1-5% Rubber Plug	@	<u>100.00</u>
1-5% Cement Head	@	<u>250.00</u>
1-5% H/FU Liner	@	<u>335.00</u>
1-5% Cementizers	@	<u>35.00</u> <u>1675.00</u>
1-5% Cement Head	@	<u>220.00</u>
TOTAL <u>960.00</u>		

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

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

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

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

# ALLIED CEMENTING CO., INC.

21293

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

SERVICE POINT:

*Production - 6000*

DATE <i>10/07</i>	SEC. <i>2</i>	TWP. <i>35S</i>	RANGE <i>31W</i>	CALLED OUT <i>11:00 PM</i>	ON LOCATION <i>6:00 PM</i>	JOB START <i>3:00 AM</i>	JOB FINISH <i>4:00 AM</i>
LEASE # <i>140</i>	WELL # <i>2-13</i>	LOCATION <i>PLAIN, KS, 3 SECTIONS EAST</i>			COUNTY <i>MCADAMS</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one) <u>NEW</u>			31 SECTIONS, 013				

CONTRACTOR *TRINIDAD, DIA*  
 TYPE OF JOB *PRODUCTION CASING*  
 HOLE SIZE *7 7/8"* T.D. *5,852'*  
 CASING SIZE *5 1/2"* DEPTH *5,852'*  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRESS. MAX *2,100* MINIMUM *100*  
 MEASURE LINE \_\_\_\_\_ SHOE JOINT *21.03'*  
 CEMENT LEFT IN CSG. *21.02*  
 PERFECTION \_\_\_\_\_  
 DISPLACEMENT *137 2/3 BBL. FRESH WATER*

OWNER *PETROSANTANDER USA*

CEMENT  
 AMOUNT ORDERED *275 SK AGG 4 1/2" HOLE 5000*  
*1000 4.55% FA-100, 500 GAL. AGG*

**EQUIPMENT**

PUMP TRUCK CEMENTER *Bill M.*  
 # *310* HELPER *George K.*  
 BULK TRUCK  
 # *310* DRIVER *Daniel M.*  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON \_\_\_\_\_ @ \_\_\_\_\_  
 POZMIX \_\_\_\_\_ @ \_\_\_\_\_  
 GEL \_\_\_\_\_ @ \_\_\_\_\_  
 CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_  
 ASC \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 HANDLING \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

**REMARKS:**

*Placed bottom, break sidewall, pump  
 down well, pump 275 SK AGG 4 1/2" HOLE 5000  
 1000 4.55% FA-100, 500 GAL. AGG  
 137 2/3 BBL. FRESH WATER  
 137 2/3 BBL. FRESH WATER*

TOTAL \_\_\_\_\_

**SERVICE**

DEPTH OF JOB *5,852'*  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MANIFOLD *11000* @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

*1/2" NEW FLOAT 1000* @ \_\_\_\_\_  
*5" LATERAL DRILL PIPE 1* @ \_\_\_\_\_  
*5" LATERAL DRILL PIPE 1* @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

CHARGE TO: *PETROSANTANDER USA*  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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

SIGNATURE \_\_\_\_\_

*PETE MURPHY*  
PRINTED NAME



**TREATMENT REPORT**

Customer # <i>Delta Santander</i>	Lease No.	Date <i>6-23-09</i>
Lease # <i>SAW 213</i>	Well # <i>213</i>	
Field # <i>10A</i>	Station <i>Liberal</i>	Casing <i>5 1/2</i>
		Depth <i>5736</i>
Type Job <i>Acid 237</i>	Formation	County <i>Atchafalaya</i>
		State <i>115</i>
		Legal Description

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
<i>5 1/2</i>	<i>3 1/2</i>			<i>500 gal 7 1/2 HCL Diesel</i>			<i>6</i>	<i>11600 psi</i>
Depth	Depth	From	To	Pre-Pad	Max		5 Min.	
<i>5736</i>	<i>5031</i>	<i>5736</i>	<i>5736</i>	<i>110 gal 7 1/2 HCL</i>		<i>6</i>		
Volume	Volume	From	To	Pad	Min		10 Min.	
	<i>77.6</i>			<i>MIRA</i>		<i>6</i>		
Max Pressure	Max Pressure	From	To	Frac	Avg		15 Min.	
	<i>7100</i>							
Well Completion	Annulus Vol.	From	To		HHP Used		Annulus Pressure	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume		Total Load	
				<i>100 35 lbs</i>			<i>71 lbs</i>	

Customer Representative *Don Keeser* Station Manager *Terry Brown* Treater *Edward Clark*

Service Unit # <i>19876</i>								
Driver Names <i>J. Clark</i>								

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>8:30</i>					<i>Arrive On Location</i>
<i>8:40</i>					<i>Safety Meeting, Rig Up</i>
<i>10:00</i>		<i>7500</i>	<i>.5</i>	<i>.5</i>	<i>Pressure Test</i>
<i>10:00</i>	<i>0</i>	<i>0</i>	<i>12</i>	<i>30</i>	<i>Pump 500 gal of 7 1/2 HCL Diesel</i>
<i>10:10</i>	<i>0</i>	<i>0</i>	<i>24</i>	<i>40</i>	<i>Pump 100 gal of 7 1/2 HCL MIRA</i>
<i>10:15</i>					<i>Pump 100 lbs - All at once</i>
<i>10:15</i>	<i>0</i>	<i>0</i>	<i>35</i>	<i>40</i>	<i>Pump Flush</i>
<i>10:20</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>Shut Down</i>
					<i>151P - 11600 psi</i>
					<i>No Pressure</i>
					<i>No Well Action</i>



# CEMENTING LOG

STAGE NO.

CEMENT DATA:

Date: 4-07 District: NO. 2 KING-LEON Ticket No: 21293  
 Comp: PETROSANTANDER USA Rig: TRINIDAD 2311  
 Lease: SME Wall No: 2-13  
 County: GRAND State: KS  
 Location: PLAINS, KS, 3 SOUTH Field: 2-353-30W  
1 EAST, 3/4 SOUTH, #11  
 CASING DATA: PTA  Squeeze   
 Surface: Intermediate  Production  Liner   
 Size: 12" Type: \_\_\_\_\_ Weight: 15.5 Collar: \_\_\_\_\_

Spacer Type: ASF  
 Amt: 500 GALS Ska Yield: \_\_\_\_\_ ft<sup>3</sup>/sk Density: 8.3 PPG  
 LEAD: Pump Time: \_\_\_\_\_ hrs. Type: ASK 1.5" KOL  
SEAL/SAFETY 1.5" FC-160 Excess: \_\_\_\_\_  
 Amt: 275 Ska Yield: 1.57 ft<sup>3</sup>/sk Density: 14.5 PPG  
 TAIL: Pump Time: \_\_\_\_\_ hrs. Type: \_\_\_\_\_  
 Excess: \_\_\_\_\_

Casing Depth: Top KB Bottom 5,859.3

Amt: \_\_\_\_\_ Ska Yield: \_\_\_\_\_ ft<sup>3</sup>/sk Density: \_\_\_\_\_ PPG  
 WATER: Lead 7.23 gals/sk Tail: \_\_\_\_\_ gals/sk Total: 47.34 Bbls.  
 Pump Trucks Used: 360 - GOLF K.  
 Bulk Equip.: 313 - DANNY W.

Drill Pipe Size: \_\_\_\_\_ Weight: \_\_\_\_\_ Collars: \_\_\_\_\_  
 Open Hole Size: 7 7/8" T.D. 5,859 ft. P.B. to: \_\_\_\_\_ ft.  
 CAPACITY FACTORS:  
 Casing: Bbls/Lin. ft. .0238 Lin. ft./Bbl. 41.01  
 Open Hole: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Drill Pipe: Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32.41  
 Bbls/Lin. ft. \_\_\_\_\_ Lin. ft./Bbl. \_\_\_\_\_  
 Performance: From \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Amt. \_\_\_\_\_

Float Equip: Manufacturer \_\_\_\_\_  
 Shoe: Type AFU FLOAT SHOE Depth 5,859.3  
 Float: Type LASTIN DOWN PLUG Depth 5,857.27  
 Centralizers: Quantity 10 Plugs Top \_\_\_\_\_ Btm. \_\_\_\_\_  
 Stage Collars \_\_\_\_\_  
 Special Equip. \_\_\_\_\_  
 Disp. Fluid Type FRESH WATER Amt. 139.34 Bbls Weight 8.3 PPG  
 Mud Type NATIVE Weight 9.1 PPG

COMPANY REPRESENTATIVE: PETE KUNZE

CEMENTER: BILL HEAD

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
						BAR ON BOTTOM, BREAK CIRCULATION
3:00		500	500	GAL.	5	PUMP PRE-FLUSH - ASF
		700	768	Lb.	7 1/2	PUMP 275 SK ASF + 5" KOL - SEAL/TACK + .50 FC-160
						STOP PUMPS WASH PUMP - LINE'S LEAF ASK PLUG
3:15		200			6	START DISPLACEMENT
		200-350	80	bbl.	6	SLOW RATE
		800-700	105	bbl.	5	SLOW RATE
		1,300-1,200	133	bbl.	3	SLOW RATE
4:45		4,700-2,100	139.34	bbl.		PUMP PLUG, FIRST HOLE

FINAL ANN. PRESS: 1,300 PSI BUN TO 2,100 PSI BLEEDBACK \_\_\_\_\_ BBLs. THANK YOU