

Operator Name: PETROSANTANDER (USA) INC Lease Name: EDNA COLLINGWOOD Well #: 6
 Sec. 1 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 BOREHOLE COMPENSATED SONIC LOG DUAL COMPENSATED POROSITY LOG DUAL INDUCTION LOG MICRORESISTIVITY LOG	<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>Heebner Shale</td> <td>4430'</td> <td>-1712'</td> </tr> <tr> <td>Lansing</td> <td>4564'</td> <td>-1846'</td> </tr> <tr> <td>Marmaton</td> <td>5200'</td> <td>-2482'</td> </tr> <tr> <td>Pawnee</td> <td>5314'</td> <td>-2596'</td> </tr> <tr> <td>Cherokee Shale</td> <td>5374'</td> <td>-2656'</td> </tr> <tr> <td>Morrow Shale</td> <td>5680'</td> <td>-2962'</td> </tr> <tr> <td>Morrow Sand</td> <td>5708'</td> <td>-2990'</td> </tr> </table>	Name	Top	Datum	Heebner Shale	4430'	-1712'	Lansing	4564'	-1846'	Marmaton	5200'	-2482'	Pawnee	5314'	-2596'	Cherokee Shale	5374'	-2656'	Morrow Shale	5680'	-2962'	Morrow Sand	5708'	-2990'
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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		8-5/8"	24#	1497'	Poz/ Class A	550/150	
Production		5-1/2"	15.5#	5813'		300	

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>	Depth
4	5710' - 5727'		

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>5628'</u> Packer At: _____	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	RECEIVED
Date of First, Resumed Production, SWD or Enhr. <u>11/24/2006</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 Bbbls. <u>108.88</u> Gas Mcf <u>0</u> Water Bbbls. <u>2.18</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>5710' - 5727'</u>
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CEMENTING LOG

STAGE NO.

Date: 11-09-06 District: MEAD LODGE Ticket No. 23895
 Company: PETROSANTANDER USA Rig: CHUVENNE 8
 Lease: E. COLLINGWOOD Well No. 6
 County: MEADE State: KANSAS

Location: Q1-335-3041 Field: _____
PLAINS, 4 SOUTH, 2 1/2 EAST, S/S
 CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size: 8 5/8" Type: J-55 Weight: 24# Collar: BRD

BURST - 2790#
COLLAPSE - 1370#
 Casing Depths: Top RB Bottom 1497'

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 12 1/4" T.D. 1505 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. .0637 Lin. ft./Bbl. 15.7'
 Open Holes: Bbls/Lin. ft. .1453 Lin. ft./Bbl. 6.85'
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. .0735 Lin. ft./Bbl. 13.6'
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: FRESH WATER
 Amt. _____ Skys Yield _____ ft³/sk Density 8.3 PPG

LEAD: Pump Time _____ hrs. Type 65:25:6
+ 3% CC + 1/4# FLO-SEAL Excess _____
 Amt. 550 Skys Yield 1.93 ft³/sk Density 12.8 PPG

TAIL: Pump Time _____ hrs. Type CLASS A
+ 3% CC Excess _____
 Amt. 150 Skys Yield 1.17 ft³/sk Density 12.6 PPG

WATER: Lead 10.9 gals/sk Tail 5.20 gals/sk Total 16.2 Bbls.

Pump Trucks Used 343 STEVE KRAMER
 Bulk Equip. 363-250 MINT WELLTARD
421-251 ROBERT HEFFINGTON

Float Equip: Manufacturer WEATHERFORD
 Shoe: Type CEMENT Depth 1497'
 Float: Type AFV INSERT Depth 1456'
 Centralizers: Quantity 1 Plugs Top RUBBER Brm. _____
 Stage Collars _____
 Special Equip. BASKET @ 500'
 Disp. Fluid Type FRESH H₂O Amt. 93 Bbls. Weight 8.3 PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE: PETE KUNCYL

CEMENTER: KEVIN BRUNGARDT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
6:30						ON LOCATION, RTG DP
						RUN 8 5/8" CSG + CIRCULATE
						RTG UP TO CEMENT PUMP
7:30				5		START FRESH WATER
	200		5	5	5	FRESH WATER IN - START LEAD
	200	199	194	7		LEAD IN - START TAIL
	150		230	31	7	TAIL IN - STOP PUMPS
						CHANGE MANIFOLD - RELEASE PLUG
	50				2	START DISPLACEMENT
	150		232	2	4	INCREASE RATE
	350		293	41	4	GRADUAL PRESSURE INCREASE
	800		315	42	3	CEMENT CIRCULATES
8:30	1200		322	7	3	BUMP PLUG - + HOLD PRESS. RELEASE PRESS. + FLOAT HOLDS

KANSAS CORPORATION COMMISSION
 JUL 20 2009
 RECEIVED

Final Disp. Press: 800 PSI BUN. UG TO 1200 PSI BLEEDBACK 1/2 BBLs. THANK YOU

ALLIED CEMENTING CO., INC.

25200

10 P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

DARLEY

DATE <u>11-15-06</u>	SEC. <u>1</u>	TWP. <u>33S</u>	RANGE <u>30W</u>	CALLED OUT	ON LOCATION <u>10:00 PM</u>	JOB START <u>2:00 AM</u>	JOB FINISH <u>3:00 AM</u>
LEASE <u>Edna Collingwood</u>	WELL #	LOCATION <u>PLAINS 45-22E-5 SW</u>			COUNTY <u>MEADE</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR CHEYENNE DRILL RIG #8
 TYPE OF JOB Production STRING
 HOLE SIZE 7 7/8" T.D. 5820'
 CASING SIZE 5 1/2" DEPTH 5820'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 20,10'
 CEMENT LEFT IN CSG. 20,10'
 PERFS.
 DISPLACEMENT 138 BBL.

OWNER SAME

CEMENT
 AMOUNT ORDERED
300 SKS 50/50 #82 2% 6EL 5" GILSONITE

EQUIPMENT

PUMP TRUCK CEMENTER JERRY
102 HELPER JARROD
 BULK TRUCK
347 DRIVER DARRIN
 BULK TRUCK
 DRIVER

COMMON	<u>150 SKS</u>	@	<u>12.20</u>	<u>1830.00</u>
POZMIX	<u>150 SKS</u>	@	<u>6.10</u>	<u>915.00</u>
GEL	<u>5 SKS</u>	@	<u>16.50</u>	<u>83.25</u>
CHLORIDE		@		
ASC		@		
	<u>GILSONITE 1500</u>	@	<u>7.00</u>	<u>1050.00</u>
	<u>WFR-2 500 GAL</u>	@	<u>1.00</u>	<u>500.00</u>
		@		
		@		
		@		
HANDLING	<u>335 SKS</u>	@	<u>1.90</u>	<u>636.50</u>
MILEAGE	<u>94 PER SK/MIX</u>			<u>1658.20</u>
TOTAL				<u>6673.75</u>

REMARKS:

MIX 500 GAL WFR-2 300 SKS
50/50 #82 2% 6EL 5" GILSONITE.
WASH TRUCK + LINES, DISPLACE
138 BBL WATER.

PLUG LANDED AT 1700 PSI.
FLOAT HELD

THANK YOU

CHARGE TO: PETROSANTANDER (USA)

STREET _____

CITY _____ STATE _____ ZIP _____

KANSAS CORPORATION COMMISSION

JUL 20 2009

RECEIVED

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.

SERVICE

DEPTH OF JOB	<u>5820'</u>		
PUMP TRUCK CHARGE			<u>1965.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>55 mi</u>	@	<u>6.00</u>
MANIFOLD		@	
<u>HEAD RENTAL</u>		@	<u>100.00</u>
		@	
TOTAL <u>2395.00</u>			

5 1/2" PLUG & FLOAT EQUIPMENT

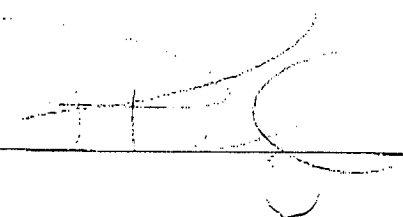
1- GUIDE SHOE			<u>160.00</u>
1- AFU INSERT	@		<u>250.00</u>
10- CENTRALIZERS	@	<u>50.00</u>	<u>500.00</u>
1- RUBBER PLUG	@		<u>65.00</u>
	@		
	@		
TOTAL <u>975.00</u>			

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS

SIGNATURE _____




PRINTED NAME