

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1252708
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1252708

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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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 type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Commingled <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Casillas Petroleum Corp
Well Name	Bedford B 4-9
Doc ID	1252708

All Electric Logs Run

Dual Induction Laterolog-SP Gamma Ray
Microlog Gamma Ray X-Y Caliper
Compensated Neutron Lithology Density Gamma Ray X-Y Caliper Microlog
Full Waveform sonic Gamma Ray X-Y Caliper

Form	ACO1 - Well Completion
Operator	Casillas Petroleum Corp
Well Name	Bedford B 4-9
Doc ID	1252708

Tops

Name	Top	Datum
Glorietta (Top)	1390	1619
Glorietta (Base)	1515	1454
Chase	2528	441
Council Grove	2795	174
Wabunsee	3182	-213
Heebner	3874	-905
Wyandotte	3979	-1010
Iola	4127	-1158
Marmaton	4507	-1538
Cherokee	4560	-1591
Morrow	4929	-1960
St. Gen	5022	-2053
St. Louis B	5038	-2069
St. Louis C	5094	-2125
St. Louis D	5140	-2171

ALLIED OIL & GAS SERVICES, LLC 065306

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Liberal (21)

DATE <i>5-16-15</i>	SEC. <i>9</i>	TWP. <i>26</i>	RANGE <i>34</i>	CALLED OUT	ON LOCATION	JOB START <i>12:00pm</i>	JOB FINISH <i>1:00pm</i>
LEASE <i>Balford</i>	WELL # <i>4-9</i>	LOCATION <i>Garden City KS, south to Parallel RD, 9.5 west, 2 South</i>			COUNTY <i>Finney</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *Medina Well Serv. #2* OWNER

TYPE OF JOB *Squeeze*

HOLE SIZE T.D. CEMENT

CASING SIZE *5 1/8* DEPTH *4100* AMOUNT ORDERED *50sK class A Neat*

TUBING SIZE *2 7/8* DEPTH *3790*

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *1300* MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT *22 bbl*

EQUIPMENT

PUMP TRUCK CEMENTER *Aldo Espinoza*

903-501 HELPER *Ivan Carrillo*

BULK TRUCK

956-841 DRIVER *Gregory Randall*

BULK TRUCK

DRIVER

REMARKS:

COMMON <i>Class A 50sK</i>	@ <i>17.90</i>	<i>895.00</i>
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
HANDLING	@	
MILEAGE		
<i>213.25 / 35%</i>		TOTAL <i>895.00</i>

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<i>2,600.47</i>
EXTRA FOOTAGE <i>LVL 50m</i>	@ <i>4.40</i>	<i>880.00</i>
MILEAGE <i>HVL 30mi</i>	@ <i>7.70</i>	<i>385.00</i>
MANIFOLD	@	
<i>Handling minimum charge</i>	@	<i>380.00</i>
<i>Drayage</i>	<i>235.00 T-m</i> @ <i>2.75</i>	<i>646.25</i>
<i>1481.18 / 35%</i>		TOTAL <i>4,831.72</i>

CHARGE TO: *Casillas Petroleum Corp.*
STREET *401 S. Boston Suite 2400*
CITY *Tulsa* STATE *OK* ZIP *74103*

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL *0*

To: Allied Oil & Gas Services, 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 *5126.72*

DISCOUNT *1794.36 / 35%* IF PAID IN 30 DAYS

PRINTED NAME *Wade Loeppke*

SIGNATURE *Wade Loeppke 5/16/15*

NET- *3,332.36*



CEMENTING LOG

Date 5/16/2015 District Liberal # 21 Ticket No. 65306
 Company CASILLAS PETROLEUM CORP Rig DINA WELL SERVICE RIG
 Lease BEDFORD Well No. 4-9
 County FINNEY State KS
 Location _____
 Field _____

Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner
 Size 5 1/2 Type _____ Weight 15.5 Collar _____

Casing Depths Top _____ Bottom 4100

Drill Pipe: BBL/LIN. FT _____ LIN. FT/BBL _____
 Open Hole: BBL/LIN. FT _____ LIN. FT/BBL _____
 Capacity Factors: BBL/LIN. FT 0.0058 LIN. FT/BBL _____
 Casing BBL/LIN. FT 0.0238 LIN. FT/BBL 42.0126
 Open Holes BBL/LIN. FT _____ LIN. FT/BBL _____
 Drill Pipe BBL/LIN. FT _____ LIN. FT/BBL _____
 Annulus BBL/LIN. FT 0.0158 LIN. FT/BBL 63.3998
 BBL/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA

Spacer Type _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Time _____ hrs. Type CLASS A
 Excess _____

Amt. 50 Sks Yield 1.18 ft³/sk Density 15.62 PPG
 TAIL: Time _____ hrs. Type _____

Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER Lead 5.2 Gal/sk Tail _____ Gal/sk Total _____ BBLs

Pump Trucks Used: 903-501
 Bulk Equipment 956-841

Float Equipment: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Bottom _____
 Stage Collars _____
 Special Equipment _____
 Disp: Fluid Type H2O Amt 22 bbls Weight 8.34 PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE Wade Doppe

CEMENTER ALDO ESPINOZA

TIME AM/PM	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBL/MIN	
900AM						ARRIVE TO LOCATION
930AM						RIG UP
950AM						SAFETY MEETING
1010AM	500				2	FILL UP BACK SIDE, TAKE 21 BBL, PRESSURE 500 PSI
1042AM	3700				1	PRESSURE TEST LINES 3700 PSI
1051AM	1000				2.5	RATE 1000 PSI @ 2.5 BPM
1055AM	600				2	MIX, PUMP 50 SK, 10.5 BBL SLURRY
1119AM					2	WASH PUMPING LINES
1122AM	1400				2	DISPLACE 24 BBL WATER
1129AM						HOLD 5 MIN, RELEASE, WAS COMING BACK
1134AM	1500				1	PRESSURE BACK 1500 PSI
						HOLD 15 MIN
1208PM	1580				1	PRESSURE BACK 1580 PSI
						WATCH IT FOR 15 MIN
1225PM					1	PRESSURE HOLDING, RELEASE
1230PM	300				2.5	REVERSE OUT 35 BBL
115PM	1000				0.5	PRESSURE TUBING 1000 PSI, SHUT IT IN
130PM						RIG DOWN
215PM						LEAVE LOCATION

FINAL DISP. PRESS. _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs THANK YOU

ALLIED OIL & GAS SERVICES, LLC 064574

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Liberal, Tx.

DATE <u>1-29-15</u>	SEC. <u>9</u>	TWP. <u>26</u>	RANGE <u>34</u>	CALLED OUT	ON LOCATION	JOB START <u>8:00 AM</u>	JOB FINISH <u>9:00 AM</u>
LEASE <u>Bedford</u>	WELL # <u>4-9</u>	LOCATION <u>Val Schlette 24 mi North to</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>Parallel to, 9.5 mi west, 2 mi south, east into</u>					

CONTRACTOR Tom Carr #4

TYPE OF JOB Susale

HOLE SIZE 12 1/4 T.D. 1650

CASING SIZE 8 3/8 24" DEPTH 1641.10

TUBING SIZE _____ DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 41.85

CEMENT LEFT IN CSG. 2.6 BBL

PERFS. _____

DISPLACEMENT 102 BBL

EQUIPMENT

PUMP TRUCK CEMENTER Lesur Puvia

903-501 HELPER Tuan Carrillo

BULK TRUCK

994-642 DRIVER Jose M Garcia

BULK TRUCK

956-841 DRIVER Gregory Randall

REMARKS: Thank you!

OWNER _____

CEMENT

AMOUNT ORDERED 600^{SE} Class A 6.5/35/6⁴ gel

3¹/₂ cc. 5[#] Kolsal, 0.8[#] Floseal

200^{SE} class A, Neat, 3¹/₂ cc, 1¹/₄ Floseal

COMMON	<u>200</u>	<u>1/5</u>	@	<u>17.90</u>	<u>3580.00</u>
POZMIX			@		
GEL			@		
CHLORIDE	<u>2130</u>	<u>1/2</u>	@	<u>1.10</u>	<u>2343.00</u>
ASC			@		
ALWC, Class A	<u>600^{SE}</u>		@	<u>19.88</u>	<u>11928.00</u>
Kolsal	<u>300</u>	<u>1/2</u>	@	<u>0.98</u>	<u>294.00</u>
Floseal	<u>350</u>	<u>1/2</u>	@	<u>2.97</u>	<u>1039.50</u>
			@		
			@		
			@		
HANDLING			@		
MILEAGE			@		

9823.73 / 45% TOTAL 21830.50

CHARGE TO: Asillas Petroleum

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB Acceleration 1 @ 4000

PUMP TRUCK CHARGE 1 @ 2213.75

EXTRA FOOTAGE LW 50 @ 4.40 220.00

MILEAGE Hm 50 @ 7.70 385.00

MANIFOLD 1 @ 275.00 275.00

Handling 954.84 @ 2.48 2368.00

Drillage 199030 @ 2.75 5473.33

Well hours 1 @ 440.00

5298.79 / 45% TOTAL 11,775.08

PLUG & FLOAT EQUIPMENT

Guide shoe	<u>1</u>	@	<u>460.00</u>	<u>460.00</u>
AFU Inset Flax tv	<u>1</u>	@	<u>447.00</u>	<u>447.00</u>
Basket	<u>1</u>	@	<u>560.00</u>	<u>560.00</u>
Centralizer	<u>4</u>	@	<u>75.00</u>	<u>300.00</u>
Top Rubber Plug	<u>1</u>	@	<u>131.00</u>	<u>131.00</u>

854.10 / 45% TOTAL 1898.00

To: Allied Oil & Gas Services, 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 Terry Go-Te

SIGNATURE Terry Go-Te

SALES TAX (If Any) _____

TOTAL CHARGES 35503.58

DISCOUNT 15976.61 / 45% IF PAID IN 30 DAYS

Net - 19526.97

CEMENTING LOG

Date 1/29/2015 District Liberal # 21 Ticket No. 64574
 Company CASILLAS PETROLEUM Rig TOM CAT # 4
 Lease BEDFORD "B" Well No 4-9
 County FINNEY State KS

CEMENT DATA
 Spacer Type 5 BBL H2O
 Amt. Sks Yield ft³/sk Density PPG

Location
 Field

LEAD: Time 5:30 hrs. Type CLASS A
65/35/6%GEL,3%CC,5#KOLSEAL,.05#FLOSEAL Excess

Casing Data Conductor FTA Squeeze Misc.
 Surface Intermediate Production Liner

Size 8 5/8 Type Weight 24 Collar

Amt. 600 Sks Yield 2.06 ft³/sk Density 12.42 PPG
 TAIL: Time 2:06 hrs. Type CLASS A NEAT

3%CC,0.25#FLOSEAL Excess
 Amt. 200 Sks Yield 1.21 ft³/sk Density 15.63 PPG
 WATER Lead 10.9 Gal/sk Tail 5.2 Gal/sk Total 139.2 BBLs

Casing Depths Top Bottom 1641.1

Pump Trucks Used: 903-501
 Bulk Equipment 994-642
956-841

Drill Pipe:	BBLS/LIN. FT	<u> </u>	LIN. FT/BBL	<u> </u>
Open Hole:	BBLS/LIN. FT	<u> </u>	LIN. FT/BBL	<u> </u>
Capacity Factors:	BBLS/LIN. FT	<u> </u>	LIN. FT/BBL	<u> </u>
Casing	BBLS/LIN. FT	<u>0.0637</u>	LIN. FT/BBL	<u> </u>
Open Holes	BBLS/LIN. FT	<u> </u>	LIN. FT/BBL	<u> </u>
Drill Pipe	BBLS/LIN. FT	<u> </u>	LIN. FT/BBL	<u> </u>
Annulus	BBLS/LIN. FT	<u>0.0735</u>	LIN. FT/BBL	<u>13.6037</u>
	BBLS/LIN. FT	<u> </u>	LIN. FT/BBL	<u> </u>
Perforations	From <u> </u> ft to <u> </u> ft		Amt <u> </u>	

Float Equipment: Manufacturer WEADERFORD
 Shoe: Type GUIDE SHOE Depth 1641.1
 Float: Type AFU INCERT FLOAT VALVE Depth 1599.25
 Centralizers: Quantity 4 Plugs Top 1 Bottom
 Stage Collars
 Special Equipment
 Disp: Fluid Type H2O Amt 102 bbls Weight 8.34 PPG
 Mud Type Weight

COMPANY REPRESENTATIVE CEMENTER CESAR PAVIA

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
100AM						ARRIVE TO LOCATION
130AM						RIG UP EQUIPMENT
600AM						CASING ON BOTTOM
630AM						SAFETY MEETING
645AM						RIG UP CEMENT HEAD
650AM	2000				1	PRESSURE TEST
700AM	30		5		5	PUMP 5 BBL H2O AHEAD
705AM	40		225		5	PUMP 220 BBL OF LEAD SLURRY CEMENT
744AM	40		268		5	PUMP 43 BBL OF TAIL SLURRY CEMENT
746AM					4	RELEASE PLUG START DISPLACEMENT
748AM	70		288		5	20 BBL GONE
750AM	280		308		5	40 BBL GONE , 45 BBL CATCH CEMENT
752AM	400		328		5	60 BBL GONE
754AM	580		348		5	80 BBL GONE
756AM	590		368		3	100 BBL GONE SLOW DOWN TO 3 BPM
800AM	600		370		3	102 BBL BUMP PLUG,PRESSURE
815AM	1100					WAIT 15 MIN TO RELASE PRESSURE
820AM						,CHECK FLOATS... GOOD
830AM						RIG DOWN
900AM						LEAVE LOCATION
						102 BBL OF CEMENT BACK

FINAL DISP. PRESS. 600 PSI BUMP PLUG TO 1100 PSI BLEEDBACK 0.5 BBLs THANK YOU

ALLIED OIL & GAS SERVICES, LLC 065421

Federal Tax I.D. # 20-8651475

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Liberal, ks

DATE <u>2-4-15</u>	SEC. <u>8</u>	TWP. <u>26S</u>	RANGE <u>34W</u>	CALLED OUT	ON LOCATION <u>4:00 am</u>	JOB START <u>7:05 am</u>	JOB FINISH <u>5:45 pm</u>
LEASE <u>Belford</u>	WELL# <u>4-9</u>	LOCATION <u>Sublette, ks. North 24 miles to CR-50</u>			COUNTY <u>Lincoln</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)			9.5 miles west - 2 miles South - east into				

CONTRACTOR Tomcat 4
 TYPE OF JOB Production
 HOLE SIZE 7 7/8 T.D. 5290
 CASING SIZE 5 1/2 DEPTH 5287.92
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 42.17
 CEMENT LEFT IN CSG. 42.17 ft
 PERFS.
 DISPLACEMENT 125 bbls

OWNER Casillas Petroleum
 CEMENT
 AMOUNT ORDERED 50 SKS 60/40 Poz Class A
225 SKS ASBC Class A

EQUIPMENT
 PUMP TRUCK CEMENTER Edgar Rodriguez
 # 903-501 HELPER Alex Ayala
 BULK TRUCK
 # 955-554 DRIVER Jose Garcia (Pere)
 BULK TRUCK
 # DRIVER

COMMON	@		
POZMIX	@		
GEL	@		
CHLORIDE	@		
ASC	@		
<u>Hivis Super</u>	<u>12 bbls @</u>	<u>58.70</u>	<u>704.40</u>
<u>Allied 60/40 Poz Class A</u>	<u>50 SKS @</u>	<u>18.92</u>	<u>946.00</u>
<u>ASBC Class A</u>	<u>225 SKS @</u>	<u>23.50</u>	<u>5287.50</u>
<u>Kol Seal</u>	<u>1125 # @</u>	<u>0.98</u>	<u>1102.50</u>
<u>ft-160</u>	<u>64 # @</u>	<u>18.90</u>	<u>1209.60</u>
	@		
	@		
	@		
	@		

REMARKS:

4162.50 / 45% TOTAL 9250.00

SERVICE

DEPTH OF JOB		<u>5287.92'</u>
PUMP TRUCK CHARGE	<u>1</u>	<u>3099.25</u>
	<u>Light 50mi @</u>	<u>4.40</u>
	<u>Heavy 50mi @</u>	<u>7.70</u>
MILEAGE		<u>385.00</u>
MANIFOLD	<u>1</u>	<u>275.00</u>
<u>Handling</u>	<u>348.61 ft3 @</u>	<u>2.48</u>
<u>Drumage</u>	<u>743.67 ton @</u>	<u>2.75</u>
<u>Additional Hrs</u>	<u>1</u>	<u>440.00</u>
		<u>440.00</u>
		<u>3298.00 / 45%</u>
		TOTAL <u>7328.88</u>

CHARGE TO: Casillas Petroleum
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>Guide Shoe</u>	<u>1 @</u>	<u>281.00</u>	<u>281.00</u>
<u>APU Insert Float Valve</u>	<u>1 @</u>	<u>335.00</u>	<u>335.00</u>
<u>Cement Basket</u>	<u>1 @</u>	<u>345.00</u>	<u>345.00</u>
<u>Centralizers</u>	<u>16 @</u>	<u>57.00</u>	<u>912.00</u>
<u>Top Rubber Plug</u>	<u>1 @</u>	<u>85.00</u>	<u>85.00</u>
		<u>903.60 / 45%</u>	
		TOTAL <u>2005.00</u>	

SALES TAX (If Any) _____
 TOTAL CHARGES 18,586.88
 DISCOUNT 8364.10 / 45% IF PAID IN 30 DAYS

To: Allied Oil & Gas Services, 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 Terry Sarte
 SIGNATURE Terry Sarte

Net = 10,222.78



CEMENTING LOG

Date 2/4/2015 District Liberal # 21 Ticket No. 65421
 Company Casillas Petroleum Rig Tomcat 4
 Lease Bedford "B" Well No 4-9
 County Finney State Ks

Location _____
 Field _____

Casing Data Conductor PTA Squeeze Misc.
 Surface Intermediate Production Liner

Size 5 1/2 Type _____ Weight 15.5# Collar _____

Casing Depths Top _____ Bottom 5287.92

Drill Pipe: BBLS/LIN. FT _____ LIN. FT/BBL _____
 Open Hole: BBLS/LIN. FT _____ LIN. FT/BBL _____
 Capacity Factors: BBLS/LIN. FT _____ LIN. FT/BBL _____
 Casing BBLS/LIN. FT 0.0238 LIN. FT/BBL _____
 Open Holes BBLS/LIN. FT _____ LIN. FT/BBL 32.4066
 Drill Pipe BBLS/LIN. FT _____ LIN. FT/BBL _____
 Annulus BBLS/LIN. FT _____ LIN. FT/BBL _____
 Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA

Spacer Type _____ HiVis Sweep _____
 Amt. _____ Sks Yield _____ ft³/sk Density 8.5 PPG

LEAD: Time _____ hrs. Type AMDC Class A 60/40 Poz
4% gel Excess 25%
 Amt. 50 Sks Yield 1.41 ft³/sk Density 13.8 PPG

TAIL: Time _____ hrs. Type ASBC Class A 100%
6 lb NaCl, 5.5% gypseal, 2% gel, 0.3% fl-160, 5 lb kol seal Excess 25%
 Amt. 225 Sks Yield 1.58 ft³/sk Density 14.5 PPG

WATER Lead 6.8 Gal/sk Tail 7.1 Gal/sk Total 187 BBLs

Pump Trucks Used: 903-501
 Bulk Equipment 955-554

Float Equipment: Manufacturer WEATHERFORD
 Shoe: Type REGULAR GUIDE SHOE Depth _____
 Float: Type AFU INSERT FLOAT VALVE Depth _____
 Centralizers: Quantity 16 Plugs Top 1 Bottom _____
 Stage Collars 1 CEMENT BASKET
 Special Equipment _____
 Disp: Fluid Type FRESH WATER Amt 125 bbls Weight 8.33 PPG
 Mud Type _____ Weight _____

COMPANY REPRESENTATIVE *Jay Senter*

CEMENTER Edgar A. Rodriguez

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	PUMPED PER TIME PERIOD	RATE BBLs/MIN	
4:00 am						Got to location. Spoted trucks. Rig up iron On 1-31-2015
4:15						Rig running casing
5:45						Casing on bottom
6:00						Rig up floor so they can circulate
6:45						Performed safety meeting
6:55						Stab cement head and rig up lines to it.
7:05	50		12.5		2	Plug rat & mouse hole with 50 sks of cmt (12.5 bbls @13.9)
7:34	2300					Test lines to 2500 psi
7:39	190		5		2	Pump 5 bbls of fresh water
7:40	200		12		5	Pump 12 bbls of HiVis Sweep
7:42	220		5		5	Pump 5 bbls of fresh water
7:43	140		63		5	Pump 225 sks of cmt (63 bbls @14.5)
8:07						Shutdown / Clean lines / Drop plug
8:14	180				7	Pump 125 bbls of displacement
8:26	290		78		6	Displacement reached cmt
8:32	1030		115		3	Slow rate to bump plug
8:36	1180		125		3	Bumped plug. Landed at 1180 psi and took up to 1750 psi
8:40						Check floats. 1 bbl back
8:45						End job. Full returns during entire job
8:50						Rig down
9:50 am						Crew leave location

FINAL DISP. PRESS. 1180 PSI BUMP PLUG TO 1750 PSI BLEEDBACK 1-Jan BBLs **THANK YOU**