

FINAL DISP. PRESS.

700 PSI

CEMENTING LOG

Palmer Oil Rig Duke #(Amt. Sks Yield ft*/sk Density PF Lease UPC Well No 23-7 County Stevens State KS Location		IL & GAS SEF					CEMENT DATA
Lease UPC Well No 23-7 County Stavens State KS Location						52506	Spacer Type
County Stave KS Location LEAD: Time hrs. Type 65/35 6% gel 3% CC Casing Data Conductor PTA Squeece Mic. Ant. 625 Sks Yield 1.97 ft*/sk Density 12.4 PP Size 8<5/8 Type Weight 24 Collar Ant. 625 Sks Yield 1.97 ft*/sk Density 12.4 PP Size 8<5/8 Type Weight 24 Collar Ant. 625 Sks Yield 1.18 ft*/sk Density 15.6 PF Size 8<5/8 Type Bottom 1746 Pump Trucks Used: 549-550 Bulk fcujument B86 Depth 1746 B86 B86 Depth 1746 B86 See Depth 1746 B86 Depth 1746 B86 Depth 1746 Depth 1746 Depth 1	2						AmtSks Yieldft³/sk DensityPPC
Location LEAD: LEAD: Type 65/35 67% gel 37% CC Field							
Initial				Sta	te K	(S	
Initial	Location						
Surface Intermediate Production Liner TAIL: Time hrs. Type Class A 3% CC. 25# Flo Seal Size 8 5/8 Type Weight 24 Collar Amt. 200 Sks Yield 1.18 ft/sk Density 15.6 PF Casing Depths Top Bottom 1746 Pump Trucks Used: 549-550 Bulk Equipment 774-744 889-841 Drill Pipe: BBLS/LIN. FT LIN. FT/BBL Float Equipment: Manufacturer Weather Ford Capacity factors: BBLS/LIN. FT LIN. FT/BBL Float Equipment: Manufacturer Weather Ford Capacity factors: BBLS/LIN. FT LIN. FT/BBL Float: Type Guide Sho Depth 1768 Casing BBLS/LIN. FT LIN. FT/BBL Shoe: Type Guide Sho Depth 1703 Open Holes BBLS/LIN. FT LIN. FT/BBL Centralizers: Quantity 3 Plugs Top Bottom Drill Pipe BBLS/LIN. FT LIN. FT/BBL Disp: Fluid Type H2O Amt 108 bbls Weight	Field						
Size 8 5/8 Type Weight 24 Collar Amt. 200 Sks Yield 1.18 ft*/sk Density 15.6 PF Casing Depths Top Bottom 1746 Pump Trucks Used: 549-550 BBB BBB 549-550 Drill Pipe: BBLS/LIN. FT LIN. FT/BBL Pump Trucks Used: 549-550 BBB BBB 549-540 BBB BBB BBB BBB BBB BBB Shoe: Type Guide Shoe Depth 1746 Capacity Factors: BBLS/LIN. FT LIN. FT/BBL Float: Type Insert Float Depth 1746 Capacity Factors: BBLS/LIN. FT LIN. FT/BBL Shoe: Type Insert Float Depth 1746 Capacity Factors: BBLS/LIN. FT LIN. FT/BBL Shoe: Type Insert Float Depth 1746 Capacity Factors: BBLS/LIN. FT LIN. FT/BBL Stage Collars Annulus Annulus Shoe: Type Habe Insert Float Depth 130 Drill Pipe BBLS/LIN. FT	Casing Data					and the second s	
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	10.23bin	330		20		5	INBBING up to well near and 20 0013 of h20 anear of centent
	10:33pm	200	-	239		6	Mixing lead cement @ 12.4 bbs
		200		263		5	

7:00pm				On location at 7:00pm
10:25pm	350	20	5	Rigging up to well head and 20 bbls of H20 ahead of cement
10:33pm	200	239	6	Mixing lead cement @ 12.4 bbs
10:55pm	200	263	5	End of cement now mixing tail cement @ 15.6
11:08pm	200	263		Shut down end of tail cement and dropping the plug
11:10pm	150	263	3	Plug left the head and total displacement of 108 bbls
11:24pm	340	318	5	55bbls gone and we have cement to surface really good cement
11:35pm	550	368	3	100 bbls gone and slowed down to land the plug 3bpm
11:40	600	376	3	108 bbls gone and landed the plug 1100 psi and holding
				total of 45 bbls of cement to surface
				released the psi and .5 bbls return of h2o
				Thank you!!!!!!!!!!!!!!!!!

BUMP PLUG TO 1200 PSI

BLEEDBACK

BBLS

0.5

THANK YOU



CEMENTING LOG

	/2014 Dist.	diat liberral				Canada Tumo
	L/2014 Dist	almer Oil			52411 (e 9	Spacer Type Fresh water Amt. Sks Yield ft³/sk Density 8.33 PPG
Company	P			Dul II No	23-7	Amt. Sks Yield ft³/sk Density 8.33 PPG
ease County		evens			Ks	
					K3	LEAD: Time hrs. Type 60/40 Standard Cmt
Field						4% gel Excess
Casing Data						Amt. 170 Sks Yield 1.56 ft ^s /sk Density 13.5 PPG
Jashing Data						TAIL: Timehrs. Type
Size 8	5/8 Type	k-55	Weight	24 Colla	r	Excess 100%
						Amt. Sks Yield ft³/sk Density PPG
4 1/2 16.6#	Drillpipe					WATER Lead 5.2 Gal/sk Tail Gal/sk Total 12 BBLS
Casing Dept	hs Top	0	Bottom	17	46	Pump Trucks Used: 869-841
						Bulk Equipment
Drill Pipe:	BBLS/I	LIN. FT 0.0	01422 LIN	. FT/BBL		
Open Hole:			.044 LIN	I. FT/BBL		Float Equipment: Manufacturer
Capacity Fac		LIN. FT		I. FT/BBL		Shoe: Type Depth
Casing		LIN. FT		. FT/BBL		Float: Type Depth
Open Holes	BBLS/I	LIN. FT	LIN	I. FT/BBL		Centralizers: Quantity Plugs Top Bottom
Drill Pipe	BBLS/	LIN. FT	LIN	I. FT/BBL		Stage Collars
A	BBLS/	LIN. FT	LIN	I. FT/BBL		Special Equipment
Annulus	,			and the second		
Annulus		LIN. FT	LIN	I. FT/BBL		Disp: Fluid Type WBM / H20 Amt bbls Weight PP
Perforation		ft t				Disp: Fluid Type WBM / H20 Amt bbls Weight PPC Weight CEMENTER Edgar Rodriguez
Perforation	BBLS/I	ft t		ft An		Mud Type Weight
Perforation: COMPANY F	BBLS/I	ft t		ft An	DATA RATE	Mud Type Weight
Perforation: COMPANY F	BBLS/I s From REPRESENTATI PRESSU DRILL PIPE	ft t	FLL TOTAL	ft An	DATA RATE	Mud Type Weight CEMENTER Edgar Rodriguez
Perforation: COMPANY f TIME AM/PM	BBLS/I s From REPRESENTATI PRESSU DRILL PIPE	ft t	FLL TOTAL	ft An	DATA RATE	Mud Type Weight CEMENTEREdgar Rodriguez REMARKS
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Perforation: COMPANY F TIME AM/PM 5:00 a 5:15	BBLS/I s From REPRESENTATI PRESSU DRILL PIPE	ft t	FLU TOTAL FLUID	ft An	DATA RATE BBLS/MIN 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft
Perforation: COMPANY F TIME AM/PM 5:00 a 5:15 6:40	BBLS/I s From REPRESENTATI PRESSU DRILL PIPE CASING	ft t	FLU TOTAL FLUID	ft An	DATA RATE BBLS/MIN	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Pump 22 bbls of diplacement with mud
Perforation: COMPANY F TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08	BBLS/I s From REPRESENTATION PRESSU DRILL PIPE CASING CASING 30 30	ft t	FLU TOTAL FLUID 14 22	ft An	DATA RATE BBLS/MIN 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe
Perforation: COMPANY F TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57	BBLS/ s From REPRESENTATI PRESSU DRILL PIPE CASING CASING 30 30 30 30	ft t	FLU TOTAL FLUID 14 22 14	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 50 sks of cmt (14 bbls @13.5) Plug @664 ft
Perforation: COMPANY 6 TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02	BBLS/I s From REPRESENTATION PRESSU DRILL PIPE CASING CASING 30 30	ft t	FLU TOTAL FLUID 14 22	ft An	DATA RATE BBLS/MIN 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 50 sks of cmt (14 bbls @13.5) Plug @664 ft Pump 50 sks of cmt (14 bbls @13.5) Plug @664 ft
Perforation: COMPANY F TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02 8:05	BBLS/I s From REPRESENTATI DRILL PIPE CASING CASING 30 30 30 30	ft t	FLU TOTAL FLUID 14 22 14 6	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 6 bbls of diplacement with fresh water Shutdown / Come out of hole with drillpipe
Perforation: COMPANY F TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02 8:05 8:32	BBLS/ s From REPRESENTATI PRESSU DRILL PIPE CASING CASING 30 30 30 30	ft t	FLU TOTAL FLUID 14 22 14	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 6 bbls of diplacement with fresh water Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) Plug @63 ft
Perforation: COMPANY F TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02 8:05 8:32 8:36	BBLS/I s From REPRESENTATION PRESSU DRILL PIPE CASING 30 30 30 30 30 50	ft t	FLU TOTAL FLUID 14 22 14 6 6	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 50 sks of cmt (14 bbls @13.5) Plug @664 ft Pump 50 sks of cmt (14 bbls @13.5) Plug @664 ft Pump 6 bbls of diplacement with fresh water Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) Plug @63 ft Shutdown / Come out of hole with drillpipe
Perforation: COMPANY F TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02 8:05 8:32 8:36 8:32	BBLS/I s From REPRESENTATI DRILL PIPE CASING CASING 30 30 30 30	ft t	FLU TOTAL FLUID 14 22 14 6	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 6 bbls of diplacement with fresh water Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) Plug @63 ft Shutdown / Come out of hole with drillpipe Pump 30 sks of cmt (8 bbls @13.5) For Rat Hole
Perforation: COMPANY F TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02 8:05 8:32 8:36 8:37 9:00	BBLS/ s From REPRESENTATION DRILL PIPE CASING 30 30 30 30 30 30 30 30 30 30 30 30 30	ft t	FLU TOTAL FLUID 14 22 14 6 6 8	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 50 sks of cmt (14 bbls @13.5) Plug @664 ft Pump 6 bbls of diplacement with fresh water Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) Plug @63 ft Shutdown / Come out of hole with drillpipe Pump 30 sks of cmt (8 bbls @13.5) For Rat Hole Shutdown / Come out of hole with drillpipe
Perforation: COMPANY F TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02 8:05 8:32 8:36 8:57 9:00 9:04	BBLS/I s From REPRESENTATION PRESSU DRILL PIPE CASING 30 30 30 30 30 50	ft t	FLU TOTAL FLUID 14 22 14 6 6	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 50 sks of cmt (14 bbls @13.5) Plug @664 ft Pump 50 sks of cmt (14 bbls @13.5) Plug @663 ft Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) Plug @63 ft Shutdown / Come out of hole with drillpipe Pump 30 sks of cmt (8 bbls @13.5) For Rat Hole Shutdown / Come out of hole with drillpipe Pump 30 sks of cmt (6 bbls @13.5) For Mouse Hole
Perforation: COMPANY 6 TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02 8:05 8:32 8:36 8:57 9:00 9:04 9:11	BBLS/ s From REPRESENTATION DRILL PIPE CASING 30 30 30 30 30 30 30 30 30 30 30 30 30	ft t	FLU TOTAL FLUID 14 22 14 6 6 8	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 50 sks of cmt (14 bbls @13.5) Plug @664 ft Pump 50 sks of cmt (14 bbls @13.5) Plug @663 ft Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) Plug @63 ft Shutdown / Come out of hole with drillpipe Pump 30 sks of cmt (8 bbls @13.5) For Rat Hole Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) For Rat Hole Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) For Mouse Hole Shutdown
Perforation: COMPANY 6 TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02 8:05 8:32 8:36 8:37 9:00 9:04 9:11 9:12	BBLS/ s From REPRESENTATION DRILL PIPE CASING 30 30 30 30 30 30 30 30 30 30 30 30 30	ft t	FLU TOTAL FLUID 14 22 14 6 6 8	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 50 sks of cmt (14 bbls @13.5) Plug @664 ft Pump 6 bbls of diplacement with fresh water Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) Plug @63 ft Shutdown / Come out of hole with drillpipe Pump 30 sks of cmt (8 bbls @13.5) For Rat Hole Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) For Mouse Hole Shutdown Shutdown Shutdown End job
Perforation: COMPANY 6 TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02 8:05 8:32 8:36 8:32 8:36 8:57 9:00 9:04 9:11 9:12 9:15	BBLS/ s From REPRESENTATION DRILL PIPE CASING 30 30 30 30 30 30 30 30 30 30 30 30 30	ft t	FLU TOTAL FLUID 14 22 14 6 6 8	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 6 bbls of diplacement with fresh water Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) Plug @63 ft Shutdown / Come out of hole with drillpipe Pump 30 sks of cmt (6 bbls @13.5) For Rat Hole Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) For Mouse Hole Shutdown Shutdown Shutdown End job Performed post-job safety meeting
Perforation: COMPANY 6 TIME AM/PM 5:00 a 5:15 6:40 6:52 6:59 7:08 7:57 8:02 8:05 8:32 8:36 8:57 9:00 9:04 9:11 9:12	BBLS/ s From REPRESENTATION DRILL PIPE CASING 30 30 30 30 30 30 30 30 30 30 30 30 30	ft t	FLU TOTAL FLUID 14 22 14 6 6 8	ft An	DATA RATE BBLS/MIN 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5	Mud Type Weight CEMENTER Edgar Rodriguez REMARKS Got to location & spoted trucks Rigged Up Trucks Performed pre-job safety meeting Pump 50 sks of cmt (14 bbls @13.5) Plug @1770 ft Pump 22 bbls of diplacement with mud Shutdown / Come out of hole with drillpipe Pump 50 sks of cmt (14 bbls @13.5) Plug @664 ft Pump 6 bbls of diplacement with fresh water Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) Plug @63 ft Shutdown / Come out of hole with drillpipe Pump 30 sks of cmt (8 bbls @13.5) For Rat Hole Shutdown / Come out of hole with drillpipe Pump 20 sks of cmt (6 bbls @13.5) For Mouse Hole Shutdown Shutdown Shutdown End job