

Date 8-16-14 District MEDICINE # 1006 Ticket No. 63156
 Company QUAIL OIL & GAS Rig MARIC 106
 Lease AJ Well No. 1-23
 County CLARK State KS
 Location PROTECTION 1CS 5 1/2 W Field 23-32-21
4 N BITHON 5 INTO

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 5 1/2 Type _____ Weight 15.5 Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size 7 7/8 T.D. 6484 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 10238 Lin. ft./Bbl. 4201
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. 10309 Lin. ft./Bbl. 32.4065
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:
 Spacer Type: ASE + WATER FRESH
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____
 Excess _____

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

TAIL: Pump Time _____ hrs. Type CLASS A ASC
5" KUSAL 6" SMT 5.590 CUP 2700 Excess 590 GAS BLOCK

Amt. 205 Sks Yield 1.55 ft³/sk Density 14.6 PPG
 WATER: Lead _____ gals/sk Tail 6.9 gals/sk Total 46 3/4 Bbls.

Pump Trucks Used 892-503
 Bulk Equip. 819-823

Float Equip: Manufacturer WEATHERFORD
 Shoe: Type APU FLOAT SHOE Depth _____
 Float: Type LD PLUG INSERT Depth _____
 Centralizers: Quantity 12 Plugs Top LD Btm. _____
 Stage Collars _____
 Special Equip. BASKET X2
 Disp. Fluid Type 290 KCL Amt. 154 Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER SCOTT PRIDDY

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
9:30 AM						ON LOCATION Sm. SPOT IN RIGUP
9:00 PM						SAFETY MEETING
4:30 PM						PRESSURE TEST
4:30 PM	500		18		4	PUMP SPACER
4:40 PM						PLUG RHT HOLD
4:50 PM						PLUG MOUTH HOLD
4:55 PM	300		79		6.5	PUMP CEMENT
5:40 PM						SHUT DOWN, CLEAN LINES
5:55 PM						RELIEF PLUG
5:55 PM					7	START DISPLACEMENT
6:15 PM	700		144		3	SLOW RATE
6:20 PM	1400		154		3	BUMP PLUG
6:25 PM						RELIEF PRESSURE
						FLOAT DID HOLD

FINAL DISP. PRESS: 700 PSI BUMP PLUG TO 1400 PSI BLEEDBACK 7 BBLs. THANK YOU