



16-23-32

CEMENTING LOG

STAGE NO.

Date 11/25/14 District Coalinga Ticket No. 063793
 Company Borealis Rig Borealis 1
 Lease HT A Well No. 227
 County San Diego State CA
 Location _____ Field _____

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

LEAD: Pump Time _____ hrs. Type ALW type 1 class
 Excess _____
 Amt. 650 Skys Yield 1.78 ft³/sk Density 17.20 PPG
 TAIL: Pump Time _____ hrs. Type 150 class 3911C6
 Excess _____
 Amt. 150 Skys Yield 1.62 ft³/sk Density 15.2 PPG
 WATER: Lead 8.40 gals/sk Tail 5.21 gals/sk Total _____ Bbls.

CASING DATA: Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size 8 5/8" Type Meer Weight 24 Collar _____

Casing Depths: Top 123 Bottom 1740'

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
 Open Hole: Size 10 1/4 T.D. _____ ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.0637 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

Pump Trucks Used 423-281
 Bulk Equip. _____

Float Equip: Manufacturer _____
 Shoe: Type Guide Depth _____
 Float: Type APU Transit Depth _____
 Centralizers: Quantity 3 Plugs Top Rubber Btm. _____
 Stage Collars _____
 Special Equip. JOHNSON
 Disp. Fluid Type H₂O Amt. 113 Bbls. Weight _____ PPG _____
 Mud Type _____ Weight _____ PPG _____

COMPANY REPRESENTATIVE _____

CEMENTER AR

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
1:00						substitution, SPN, N ₂ , Seals down Coz Circulates
				145.0	3.0	MAX ALW
				10.0	3.0	MAX COZ
				113.0	5.0	Airline Plug w/ H ₂ O
						Control Plug w
						Float Held
2:00						JOB COMPLETE