

ORYX ENERGY COMPANY
DRILLING PROGRAM

ALASKA COOPER # 9

CEMENT PROGRAM:

RCOMMENDED VENDOR: B-J SERVICES HOBBS N.M. (505) 392-5556

CASING	TYPE	DECRPTION	TOC	WEIGHT	YIELD	EXCESS	WOC
8-5/8	SURF	300 SX CLASS "C" + 2% CACL2	SURF	14.8	1.34	100%	6
5-1/2	LEAD	320 SX 35:65 POZ + 6% GEL	SURF	12.5	1.96	50%	---
	TAIL	225 SX CLASS "C" +10% SALT + 1/4# SX CELLOFLAKES.	2500'	14.8	1.39	50%	24

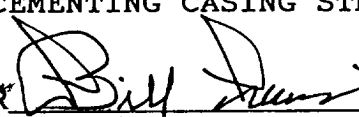
ON 8-5/8" SURFACE CASING PRECEDE CEMENT WITH 20 BFW. USE RUBBER TOP PLUG ONLY AND DISPLACE WITH FRESH WATER. BUMP PLUG TO 500 PSI OVER FINAL PRESSURE. TEST BOPS AND CASING TO 500 PSI WITH RIG PUMP PRIOR TO DRILLING OUT SHOE JOINT. IF CEMENT DOES NOT CIRCULATE, RUN TEMPERATURE SURVEY TO CONFIRM TOP OF CEMENT. RUN 1" PIPE AND CIRCULATE CEMENT TO SURFACE. NMCC REQUIRES CEMENT BE CIRCULATED TO SURFACE. WOC 6 HRS CUT OFF AND NIPPLE UP. WOC A TOTAL OF TWELVE (12) HOURS BEFORE DRILL OUT.

ON 5-1/2" PRODUCTION CASING PRECEDE CEMENT WITH 30 BBLS BRINE WATER IN A TURBULANT FLOW . USE TOP AND BOTTOM PLUS . RECIPROCATATE CASING PRIOR, DURING AND DISPLACING CEMENT. DISPLACE CEMENT AT 8 BPM WITH 2% KCL WATER.

NOTE: ACTUAL CEMENT VOLUMS WILL BE OBTAINED FROM CALIPER LOG PLUS 15% PILOT TEST ALL SLURRIES WITH FIELD MIX WATER PRIOR TO PUMPING. FOWARD ALL TEST RESULTS TO ORYX FIED REPRESENTIVE. OBTAIN ONE DRY AND ONE WET SAMPLE OF EACH CEMENT SLURRY. CONFRIM SLURRY WEIGHT THROUGHOUT CEMENT JOB.

NOTIFY NMCC IN HOBBS, NEW MEXICO 24 HOURS
PRIOR TO CEMENTING CASING STRINGS OR P & A WELL.

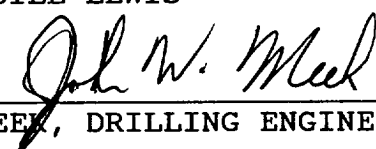
ORIGINATOR


BILL LEWIS

DATE

1-25-96

APPROVED


JOHN MEEK, DRILLING ENGINEERING MANAGER