

ORYX ENERGY COMPANY  
DRILLING PROGRAM

ALASKA COOPER # 9

DIRECTIOAL: RUN DRIFT TYPE SURVEYS AT 250' AND 500' ON SURFACE HOLE INTERVAL. RUN SURVEYS ON PRODUCTION HOLE EVERY 500' AND ALL BIT TRIPS.

0-500'	250' AND 500'	2	1 / 100'
500'-TD	500' AND BIT TRIPS	4	1 / 100'

WELLHEAD

EQUIPMENT: BRADENHEAD	8-5/8" 2000 PSI WP TYPE 92 SOW CASING HEAD ( LARKIN-HINDERLITER )
TUBINGHEAD	WHI-W2 7-1/16" X 3,000 PSI X 5-1/2" 8RD ( CAVANAUGH-NATIONAL )
TREE	2-3/8" SINGLE MASTER, SINGLE WING AND ADJUSTABLE CHOKE.

CASING PROGRAM:

CASING SEAT	FEET	SIZE	WT	GRADE	JOINT	DRIFT ID	MAX OD
500'	500'	8-5/8	24	WC-50	ST&C	7.972	9.625
3700'	3700'	5-1/2	15.5	K-55	ST&C	4.825	6.050
TUBING	3000'	2-3/8	4.7	J-55	EUE	1.947	3.063

5-1/2" 15.50/FT USED FOR CASING FRAC WITH MAX SURFACE PRESSURE OF 3500 PSI DURING A 13.0 PPG SAND/FOAM FRAC DOWN CASING.

NOTE: AFTER ARRIVING ON LOCATION, PULL THREAD PROTECTORS OFF AND INSPECT CASING WITH VTI, TP AND FLD. THOROUGHLY CLEAN THREADS BEFOR MAKE-UP. ALL THREADS SHOULD BE DOPED W/OIL CENTER RESEARCH OCR-318 THREAD LUBRICANT.

FLOAT

EQUIPMENT: ON 8-5/8" SURFACE CASING, INSTALL A CENTRALIZER AND A STOP RING 10' ABOVE THE SHOE AND CENTRALIZE EVERY THIRD COLLAR TO SURFACE. ( TOTAL OF 5 CENTARLIZERS ). RUN INSERT FLOAT AND A TEXAS PATTERN SHOE. RUN ONE (1) SHOE JOINT.

ON 5-1/2" PRODUCTION CASING RUN IN HOLE WITH ONE (1) SHOE JOINT, WITH A JET DOWN FLOAT SHOE AND A FLOAT COLLAR. THREAD LOCK ALL CEMENTING EQUIPMENT. WHILE RUNNING IN HOLE FILL CASING EVERY 20 JOINTS. CENTRALIZE SHOE, MIDDLE OF FIRST TWO JOINTS, AND EVERY 20' THOUGH THE PRODUCTION INTERVALS ( SEVEN RIVERS AND QUEEN ) USE TWO TURBULATOR TYPE CENTARLIZERS ABOVE AND BELOW EACH PRODUCTION INTERVAL.