Page 10 8-Point Drilling Plan Avalon 10 Federal #23

# 7. <u>ABNORMAL CONDITIONS - PRESSURE - TEMPERATURE - POTENTIAL HAZARDS</u>: Continued:

c. 7-7/8" Production Hole from 1,800' to 4450' TD:

### i. Well/Pressure Control Considerations:

FORMATION TARGET:	TVD:	EST. BHP:	GRADIENT:	RATING:
	Feet:	PSIG	PSI/FT	
Delaware Fm.:				
Cherry Canyon Mbr.:	2505 <b>′</b>	1550	0.619	Abnormal
Brushy Canyon Mbr.:	3335 <b>′</b>	1550	0.465	Normal
Bone Springs Fm.:	4250 <b>′</b>	1750	0.412	Normal

KICKS AND WELL CONTROL HAZARDS ARE COMMON IN THIS AREA: AN ADEQUATE SUPPLY OF BRINE WATER, SALTS & SALT-WATER GEL, AND/OR BARITE WILL BE MAINTAINED ON LOCATION AT ALL TIMES, THROUGHOUT DRILLING OPERATIONS BELOW THE 8-5/8" CASING SHOE @ 1,800', TO RAISE THE MUD WEIGHT OF THE HOLE & STEEL PIT CIRCULATING SYSTEM A MINIMUM OF 2 PPG. An OPTIONAL PVT system with an optional gas buster and optional rotating head may be installed immediately after the 8-5/8" casing is set (prior to drilling out the 8-5/8" casing shoe @ 1,800'). This equipment will permit the safe handling of minor gas volumes at the surface and the monitoring of well flow and trip volumes while the well is being drilled.

# ii. Normal temperatures (95 F. to 105 F.) are anticipated.

# iii. H2S (Hydrogen Sulfide) Gas Hazards:

Potential H2S is anticipated in the Delaware Fm. from 2,225' to 4450' TD. An H2S Safety Plan is prepared as Exhibit #3 and will be posted at the well-site. An H2S monitoring system will be rigged-up and functional after the 8-5/8" Casing is set at 1,800', and PRIOR TO DRILLING OUT OF THE 8-5/8" CASING SHOE. ALL RIG-SITE AND SUPERVISORY PERSONNEL WILL BE TRAINED/CERTIFIED TO WORK IN AN H2S ENVIRONMENT PRIOR TO ENTRY ONTO THIS JOB SITE. Page 11 8-Point Drilling Plan Avalon 10 Federal #23

#### 8. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

Location construction may be commenced in Late November after BLM APD and BOR ROW approvals are received. After NMOCD approval, as soon as a rig is available to drill this well economically, this well will be spud and drilled to a projected T.D. @ 4,450'. Anticipated spud date is December 15, 2000. Est. 15 drilling days. Est. 10 completion days and 15 days constructing site facilities. Est. 1st production on or after February 1, 2000.

#### CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access routes; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Bonneville Fuels Corporation and its contractors and subcontractors in conformity with this plan and the terms & conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date: 11/9/00 Signature:

Rohal'd L. Millet Drilling Manager Bonneville Fuels Corporation Avalon 10 Federal #23/22<sup>1/4</sup>3/42 Minimum Blow-Out Preve er Requirements All 3000 PSI WP Equipment (Except Casinghead & Spools as Noted Below)



