

CHALK "AKH" FEDERAL SWD #1
30-015-26116
1980 FSL 660 FEL, UNIT I
SEC. 22-T18S-R27E

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THIS WELL WAS ORIGINALLY DRILLED TO A TD OF 10,050' AS THE SCOGGINS DRAW FEDERAL COM B #1 WELL. PLUGGED AND ABANDONED JULY 4, 1989. YATES PETROLEUM CORPORATION RE-ENTERED THE WELL IN FEBRUARY, 1992, RAN AND CEMENTED 5 1/2" CASING TO 8,590' (2 STAGE CEMENT JOB, DV TOOL @ 6,503'), AND COMPLETED THE WELL AS A COMMERCIAL GAS WELL IN THE UPPER PENN. UPON DEPLETION AND UNSUCCESSFUL ATTEMPTS TO FIND MORE GAS IN THE UPPER PENN, THE WELL WAS PLUGGED IN APRIL, 1998 (NO CASING WAS PULLED). MARBOB ENERGY IS PLANNING TO DRILL OUT CEMENT PLUGS FROM 0-30', 1,714-2,050', 3,275-3,620' AND 6,137-6,782'. WE WILL DRILL OUT A CIBP AND CEMENT FROM 7,354-7,600', A CEMENT RETAINER AT 7,870' AND ANOTHER CEMENT RETAINER AT 7,968'. WE WILL CLEAN OUT THE WELLBORE DOWN TO ABOUT 8,450', PERFORATE THE UPPER PENN FROM 7,730'-8,420', RUN A NICKEL PLATED INJECTION PACKER ON 2 7/8" PLASTIC LINED TUBING AND DISPOSE OF PRODUCED WATER IN THE UPPER PENN FROM 7,660-7,682' (ORIGINAL PERFS) AND 7,730-8,420' (NEW PERFS). DEPENDING ON INJECTIVITY, WE MIGHT ACIDIZE THE DISPOSAL ZONE WITH 30,000 GALLONS OF 20% HCL ACID. WE ANTICIPATE THAT THE WELL WILL TAKE OUR PRODUCED WATER ON A VACUUM. SURFACE TANKAGE AND INJECTION EQUIPMENT WILL BE PLACED ON THE ORIGINAL DRILLING PAD.

MUD PROGRAM: THIS IS A RE-ENTRY AND WILL USE BRINE WATER TO 8,450' +/-.

BOP PROGRAM: BOP WILL BE INSTALLED AT THE BEGINNING.

ARCHAEOLOGICAL REPORT - NMAS - 1989 - 04 - A

PROPOSED CASING AND CEMENTING PROGRAM

<u>SIZE OF HOLE</u>	<u>SIZE OF CASING</u>	<u>WEIGHT PER FOOT</u>	<u>SETTING DEPTH</u>	<u>QUANTITY OF CEMENT</u>
12 1/4"	8 5/8"	24#	1,800'	IN PLACE
7 7/8"	5 1/2"	15.5 & 17#	8,590'	1,075 SX IN PLACE (SEE ATTACHED WELL SCHEMATICS)