"D" Sand 6134

6134 - 6150 Interbedded sand end gray-black shale, part silty-fine sandy: Sand, gray-white, very fine-fine grain, part silty, sub-angular to sub-round, carbonaceous fragments, trace glauconitic, clay filled-part shaly, very tite, no show: Little tan sideritic silt lower part.

6150 - 6170 Shale, gray, carbonaceous, part micaceous-silty, traces gray-white bentonite.

6170 - 6177 Silt & shale: Silt, gray-black, very fine, shaly; Shale, black, carbonaceous, traces gray bentonite.

"J" Sand 6177

6177 - 6198 Interbedded sand, silt & shale: Sand, gray-buff, fine-medium grain, sub-angular to sub-round, slightly glauconitic and salt & pepper, little clay filled and shaly, most hard quartzitic, very tite, no show; Silt, gray, very fine, carbonaceous & shaly, trace pyrite; Shale, gray-black, carbonaceous, part silty-fine sandy, traces gray bentonite.

6198 - 6225 Sand with shale break 6204-6206: Sand, gray-white, trace carbonaceous shale laminations, very fine-fine-medium-trace medium coarse grain, sub-angular to sub-round, trace finely pyritic, little with clay cement, most fair-good porosity & permeability, no show.

6225 - 6233 Broken gray shale and sand: Sand, light gray-white, very fine-fine grain, sub-angular to sub-round, part silty-shaly, trace glauconitic, clay cement, very tite to trace with low porosity, no permeability, no show.

6233 - 6242 Sand, thin broken silty-shaly: Sand, gray-white, very fine-fine grain, sub-angular to sub-round, trace glauconitic, fairly salt & pepper, mostly clay cement, 5-6 pieces with low porosity, little-low permeability, very light spotted stain & fluorescence, fair streaming cut.

6242 - 6254 Sand, few shale laminations, gray-white, very fine-fine grain, sub-angular to sub-round, slightly glauconitic, salt & pepper, trace fine pyrite, little silty-shaly, part slight porosity, no permeability, no show.

6254 - 6322 Sand, thin broken part shaly, bentonitic shaly streaks lower 12 feet; Sand, gray-white, very fine-fine grain grading to part silty-shaly, sub-angular to sub-round, micaceous, glauconitic, part finely pyritic, clay cement to part shaly, very tite, no show.

Drill Stem Test (Virg's Straddle test after logs) 6201 - 6222, T. D. 6322, Open 5 minutes, strong blow to bottom of bucket in one minute, shut-in 30 minutes, open 1 hr. 25 minutes with strong blow for 30 minutes, decreasing to 1 inch under water at end of test, shut-in 45 minutes, recovered 3910 feet of fluid, no gas; 794' slight gas and mud cut water plus 3116 feet of slight gas cut water.

IHP 3203# FHP 3166# first period FP 77-951#, second period FP 1008-1714# ISIP 1743# FSIP 1743#, BHT 175 degrees, bottom packed held. Water sample resistivity measured 1.99 at 73 deg., 2600 ppm.

. Schlumberger Calculations

Zone	Porosity %	Water %	Rw	Probable Production
6199-6202	11	100	0.4	Water
6207-6221	15 av.	100	0.4	Water
6240-6241	17	Too thin to calculate		

Discussion and Recommendations

The only show logged in samples of the "D" and "J" sand sections was a few pieces of sand with a slight to fair show from the section 6233-6242, this slight show is interpreted as coming from the zone 6240-6242. Drill Stem Test of the zone 6201-6222 recovered slight gas cut water.

It was recommended the hole be plugged and abandoned.

Approval and permission to plug was obtained from the interested parties.

Permission and instructions were obtained from the state by phone. Instructions were: Fill hole with mud, spot cement plug from 470 feet to 86 feet, fill hole with mud and spot 10 sacks of cement in the top of the surface casing.

Bit Record

No.	Size	Make	Type	Jet Sizes	Depth out	Footage
1	7-7/8	Smith	DSJ	3-$\frac{1}{2}$	3578	3485
2	"	"	DT	reg	4368	790
3	"	"	"	"	5652	1284
4	"	"	"	"	6213	561
5	"	Sec.	M4N	"	6352	139

Sincerely yours,

C. R. Neal