SAMEDAN OIL CORPORATION
WELL PROGRAM SHEET

WELL: Hughes "B-4" Well No. 14

FIELD: Langlie-Mattix

OPERATOR: Samedan Oil Corporation

ESTIMATED
TOTAL DEPTH: 3700'

OBJECTIVE: Penrose Sand

1. LOCATION: 990' FNL and 1850' FWL, Sec. 17, T-23-S, R-37-E, Lea County, New Mexico

2. ELEVATION: 3316' (GL)

3. MEASUREMENTS:

All measurements will be taken from the Kelly Bushing. The permanent datum will be the bradenhead flange. The distance from the bradenhead flange will be recorded on the logs and drilling report. An instrument will be utilized to record drilling time.

4. HOLE SIZE: 11" from surface to 400'
7 7/8" from 400' to T.D.

5. HOLE DEVIATION: Maximum hole deviation will be 5°, limited to 1 1/2° per 100' interval. Deviation surveys will be run at least once each 500'. The results of each survey will be recorded on the daily drilling report.

6. ESTIMATED FORMATION TOPS:

Santa Rosa	600'
Anhydrite	1140'
Yates	2700'
Queen	3370'
Penrose Sand	3550'

7. DRILLING SAMPLES: Save One (1) set of formation samples at 10' intervals from 2000' to T.D., drilling time to be recorded by Geolograph. Also manually record 10' drilling time from 1000' to 3350' and one (1) ft. drilling time from 3350' to T.D. on drlg. time book (original and one copy)

8. BLOWOUT PREVENTERS: Dual ram, 3000 p.s.i., hydraulic operated preventers will be installed on 8 5/8" csg. prior to drilling plug, equipped to Samedan's specifications.

9. DRILLING MUD: 0 to 400': Fresh water with gel sufficient to clean and stabilize hole prior to running 8 5/8" casing
400 to 3350': Water native mud. Circulate the reserve pit and use paper to control seepage.
3350 to T.D.: Use salt gel and starch to maintain following properties:
WT. - minimum
VIS. - 34 to 36 sec.
Fluid Loss - 20 to 30 cc.

10. CASING PROGRAM:

Surface 400' 8 5/8" O.D. 24# J-55 ST & C

Intermediate

Oil String 3700' 4 1/2" O.D. 9.5# J-55 ST & C

11. CEMENTING:

Surface Casing Use Texas Pattern Guide Shoe, insert baffle plate, and top plug. One centralizer should be placed on collar above guide shoe. Pump 10 bbls. water preflush, followed by 250 sx. Class "C" cement w/2% calcium chloride. Shut in under pressure for 4 hrs. after plug bumps bottom. Total WOC time is 12 hrs. Prior to drilling plug, casing is to be tested to 1000 p.s.i. for 30 minutes.

Intermediate

Oil String Production casing is to be run using a regular guide shoe and a Baker Model "D" Flexiflow fill-up collar located one jt. off bottom. Run 12 centralizers, one located on each collar above bottom. Bottom 400' of 4 1/2" casing is to be Ruff-Coated. Cement production casing as follows, using the double plug method: Pump 10 bbls. fresh water, 500 gals. chemical mud flush, 10 bbls. fresh water, followed by 300 sx. of Class "A" 50-50 Pozmix with 5 lbs. per sack of salt and 2% gel. Csg. should be reciprocated a min. of 30' while pumping and displacing cement. Displace top plug with fresh water.

12. LOGGING: Gamma Ray-Sonic may be run at discretion of operator prior to setting 4 1/2" casing.

13. FORMATION TESTING: NONE

14. CORING: NONE

15. SPECIAL SURVEYS: NONE

16. COMPLETION PROGRAM: REPORTS: A daily drilling progress report will be made by completing the Daily Drilling Report forms furnished by Samedan. In addition, a daily drilling progress summary is to be made by phone to Mr. B. E. Frizzell, Samedan District Foreman, Hobbs, New Mexico, each morning.

William S. McCuen
Division Production Superintendent

Samedan personnel may be contacted as follows:

Bob E. Frizzell Hobbs, New Mexico 505-393-2512 (Office) 505-392-6080 (Home) 505-393-7266 (Mobil)	William S. McCuen Midland, Texas 915-683-5536 (Office) 915-694-7342 (Home)	David E. Holley Midland, Texas 915-683-5536 (Office) 915-684-6970 (Home)	Cliff W. Matthews Midland, Texas 915-683-5536 (Office) 915-682-0354 (Home)