

12/18/98

## Patterson Drilling Company

Rig #80

10,000' - 15,000'

### DRAWWORKS

Brewster N-75A, 1000 HP  
Brake: D&H Rig 1270-50 Hydromatic  
1 1/2" Drilling Line - Crown-o-matic

### ENGINES

Three D353 Caterpillar engines, 410 HP each

### DERRICK

Ideal 830 137' 622,000# rated capacity

### SUBSTRUCTURE

Ideal 17', 570,000# rated capacity  
KB - 18', Rotary Clearance - 14' 8"

### MUD PUMPS

Pump #1: Gardner Denver PZ-8, w/3508  
Pump #2: Gardner Denver PZ-8, w/3508

### DRILL STRING

13,000' 4-1/2" Drill Pipe  
Other sizes of drill pipe and drill collars are available

### BLOWOUT PREVENTERS

3000# - 5000# working pressure as required

### MUD SYSTEM

Two steel pits, 1070 bbl volume, fluid roller agitators, two 5" x 6" mud mixing pumps powered by two 75 HP electric, one double vibration shale shaker, 48" x 60"; Harrisburg 2 cone Desander

### MUD HOUSE

10 x 40 Storage

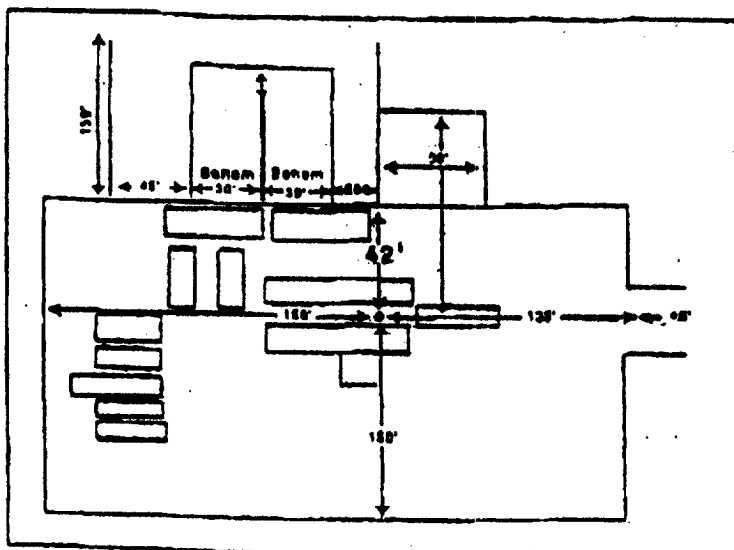
### COMMUNICATIONS

24 hour direct cellular telephone

### OTHER EQUIPMENT

Blocks, Ideco 480 Ton  
Hook, BJ 4250  
Swivel, Gardner Denver 400 Ton  
Rotary Table, Mid Continent 27 1/2"  
Shale Shaker, Double Tandem - Brandt  
Electrical Power, Two 320-kw generators  
Fresh Water Storage, Two 500 bbl tanks  
Housing.  
Kelly, 5 1/4 Hex, 41' Long

"Hole Requirements will dictate actual Reserve Pit size (TOOLPUSHER SHOULD BE CONSULTED)"



Rig 80

Exhibit "D"  
TOCO, L. L. C.  
MARY FEDERAL # 2  
SECTION 25, T23S, R33E