

SUPPLEMENTAL DRILLING DATA

WAKE L. HAMON
WELL # CHAM-YATES COM 33
1930' FNL & 660' FWL SEC. 33-20S-26E
EDDY COUNTY, NEW MEXICO

RECEIVED

SEP 14 1981

O. C. D.
ARTESIA, OFFICE

1. SURFACE FORMATION: Yates of Permian Age.

2. ESTIMATED GEOLOGIC TOPS:

Queen	545'	Strawn	8785'
San Andres	540'	Atoka	9585'
Bone Springs	2350'	Morrow Lime	9900'
3rd Bone Springs	7090'	Up. Morrow Clastic	10060'
Wolfcamp	7505'	Lw. Morrow Clastic	10280'
Cisco	8075'	Barnett	10390'

3. POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Water: 100 - 300'
Gas: 10060'

4. PROPOSED CASING PROGRAM:

Size	Interval	Weight	Grade	Joint	Condition
12 3/4"	0 - 350'	35#	G	STC	New
8 5/8"	0 - 1000'	32#	K-55	STC	New
	1000 - 2300'	24#	K-55	STC	New
	2300 - 2800'	24#	S-80	STC	New
5 1/2"	0 - 2300'	17#	N-80	LTC	New
	2300 - 3700'	17#	K-55	LTC	New
	3700 - 9000'	17#	K-55	STC	New
	9000 - 11000'	17#	N-80	LTC	New

5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of an annular-type preventer and a dual ram-type preventer with 3000 psi working pressure. A sketch of BOP is attached.

6. PROPOSED MUD PROGRAM: Mud-system will be gel-chemical with adequate stocks of absorbptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0 - 7500'	gel	8.4 - 8.6	28-35	NC
7500 - T. D.	brine gel	8.6 - 10	30-45	4 - 15

7. AUXILIARY EQUIPMENT:

- A. Kelly cock will be kept in string.
- B. Full opening safety valve will be kept on rig floor in open position at all times.

8. TESTING, LOGGING AND CORING PROGRAMS:

- A. DST's will be run as warranted.
- B. No coring is anticipated.
- C. CNL-FDC w/OR and caliper; DLL-Micro SFL w/OR and caliper from 2800' to total depth.

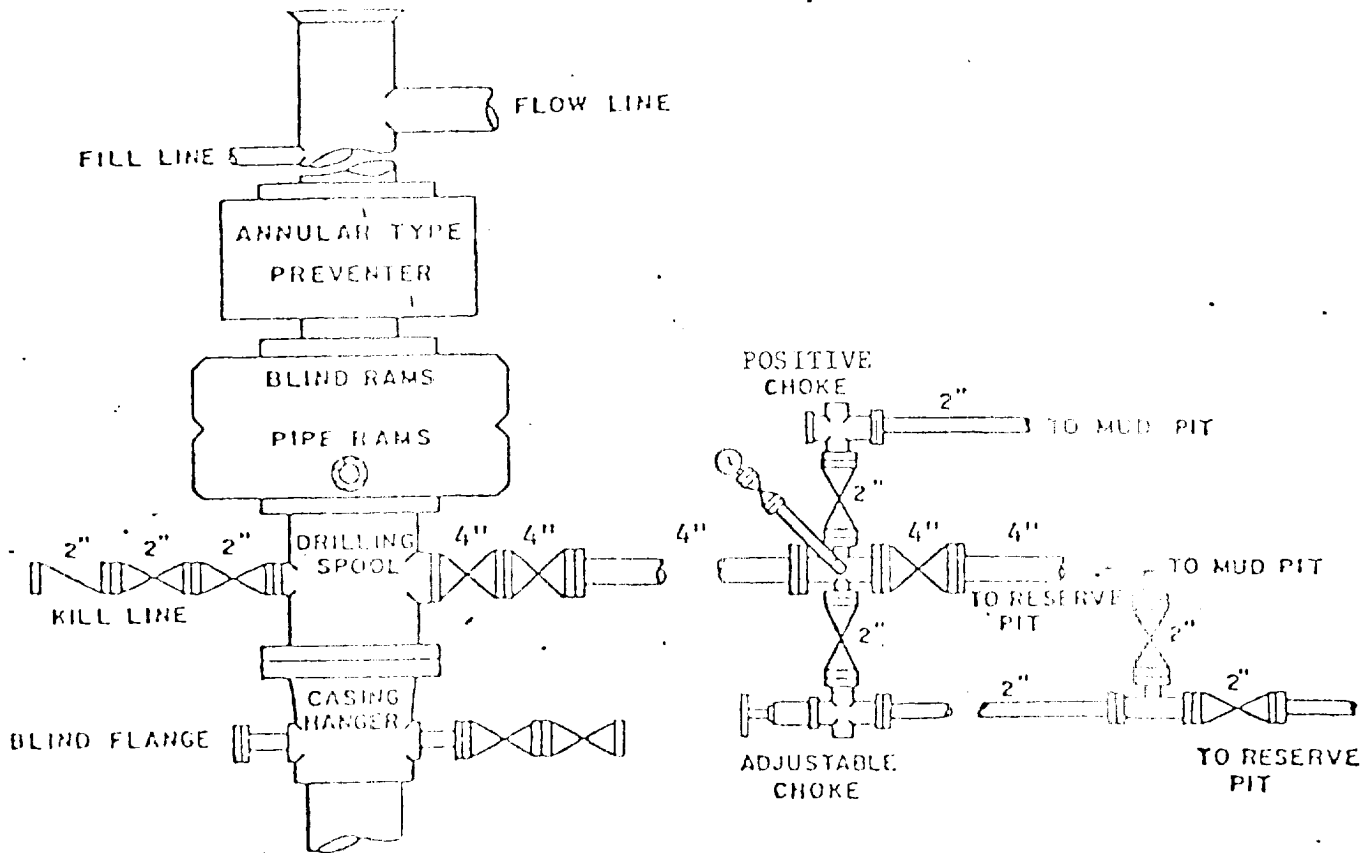
9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE GAS: None anticipated.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

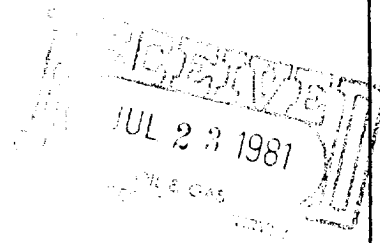
- A. Road and pad construction: February 6, 1981
- B. Spud well: February 9, 1981
- C. Duration of drilling and completion operations should be about 60-90 days.

BLOWOUT PREVENTOR SKETCH

3000 psi



SURFACE USE PLAN
FOR
DRILLING, COMPLETING AND PRODUCING



JAKE L. HAMON
WELL #1 CHAM-YATES COM 33
1980' FNL & 660' FWL SEC 33-20S-26E
EDDY COUNTY, NEW MEXICO

LOCATED: 12 air miles northwest of Carlisburg, N. M.

FEDERAL LEASE NUMBER: NM-28867

LEASE ISSUED: 4-1-77 for a primary term of 10 years

RECORD LESSEE: Champlin Petroleum Co.

OPERATOR'S AUTHORITY: Designation of Operator from record lessee
is being mailed direct.

BOND COVERAGE: Lessee's \$150,000 Nationwide Bond.

ACRES IN LEASE: 360

SURFACE OWNERSHIP: Federal

GRAZING PERMITTEE: W. M. Truitt, Lakewood, N. M. 86251

WELL SPACING: 320-acre (Undesignated area).

EXHIBITS:
A. General Road Map
B. Topographic Map
C. Oil and Gas Map
D. Sketch of Well Pad

ROAD LOG TO PROPOSED DRILLSITE

STARTING POINT is northwest of Carlsbad on US-285 at Milepost-47.5 which is 14.25 miles north of US-62 (in Carlsbad).

- 0.00 Turn left (west) through a cattleguard and proceed in a westerly direction for 0.12 miles.
- 0.12 Turn left (south) and follow the old two-track road under electric highline for 0.25 miles to gate.
- 0.37 Go through gate and proceed in southerly direction for 0.40 miles.
- 0.77 Proposed new road starts at this point. Turn right (west) and proceed 0.04 miles to the southeast corner of the proposed well pad.
- 0.81 PROPOSED DRILLSITE OF WELL #1 CHAM-YATES COM 33.

THIRTEEN POINT PROGRAM

1. EXISTING ROADS:

- A. Existing roads, which lead to the proposed drillsite, are shown on Exhibits "A" and "B". The two-track road from mileage 0.12 to mileage 0.77 on the road log will be upgraded with gravel or caliche.

2. PROPOSED NEW ACCESS ROAD:

- A. Dimensions: Proposed new road is shown on Exhibit "C" and will be 200' in length and 12' in width. It will originate at mileage 0.77 on the road log and will terminate at the southeast corner of the proposed well pad. The center of the proposed new road has been staked and flagged.
- B. Surfacing Material: The new road will be surfaced with gravel or caliche.
- C. Maximum Grade: Less than one percent.
- D. Turnouts: Two will be constructed.
- E. Drainage Design: New road will be crowned with drainage to the side.

- F. Culverts: One may be required.
- G. Gates, Cattleguards: Gate at mileage 0.37 will be replaced with a cattleguard.

3. LOCATION OF EXISTING WELLS:

- A. Existing wells in the vicinity of the proposed drill site are shown on Exhibit "C".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There are no production facilities on the leasehold.
- B. If the well is productive, production and storage facilities will be located on the well pad.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. It is not planned to drill a water supply well. Water for leasehold operations will be purchased from a water delivery company.

6. SOURCE OF CONSTRUCTION MATERIALS:

- A. Material for the road and well pad will be obtained from an existing pit located in Sec. 34-20S-26E. Dirt Contractor will contact Carlsbad office of the Bureau of Reclamation before removing any construction material from the pit.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be disposed of in the drilling pits.
- B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
- C. Water produced during tests will be disposed of in the drilling pits.
- D. Oil produced during tests will be produced into temporary test tanks.
- E. Trash, waste paper, garbage, and junk will be buried in a trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind. Location of the trash pit is shown on Exhibit "D".

- F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing each drilling and/or completion operation.

8. ANCILLARY FACILITIES:

- A. None anticipated.

9. WELLSITE LAYOUT:

- A. The wellsite has been surveyed, staked and flagged.
B. The dimensions and relative location of the drill pit, mud pit, and trash pit with respect to the well bore are shown on Exhibit "D".
C. The wellsite is nearly level and will hardly require any cut or fill.
D. The well pad will be surfaced with gravel or caliche.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. After completion of drilling and/or completion operations, all equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing condition as possible.
B. Any unguarded pits containing fluids will be fenced until they are filled.
C. After abandonment, all equipment, trash and junk will be removed and the location cleaned. Any special rehabilitation and/or special revegetation requirements of the surface management agency will be complied with and accomplished as expeditiously as possible.

11. OTHER INFORMATION:

- A. Topography: Land surface to the west of location is rolling and hilly. From an elevation of 3273 feet at the wellsite, the land surface slopes gently toward the east.
B. Soil: Loam.
C. Flora and Fauna: The vicinity surrounding the drill site is semi-arid desert rangeland. Vegetation consists of native grasses interspersed with catclaw and other desert plants. No wildlife was observed, but wildlife in this habitat consists mostly of rabbits, rodents, coyotes, skunks, dove and quail.

- D. Ponds and Streams: None. The Pecos River lies across the highway approximately $1\frac{1}{2}$ miles to the northeast.
- E. Residences and Other Structures: Nearest occupied building is 12 miles to the south. Nearest water well is $\frac{1}{2}$ mile to the north.
- F. Archaeological, Historical and Other Cultural Sites: None were observed in the area. An archaeological reconnaissance of the well pad and road area was made by Eastern New Mexico University on January 30, 1981.
- G. Land Use: Grazing and occasional hunting.

12. OPERATOR'S REPRESENTATIVE:

Representative responsible for assuring compliance with the approved Surface Use Plan

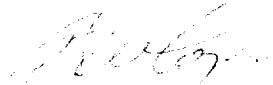
Bill Cozart
Drilling Foreman
Jake L. Hamon
611 Petroleum Building
Midland, Texas 79701
Office 915-682-5218
Home 915-697-1972

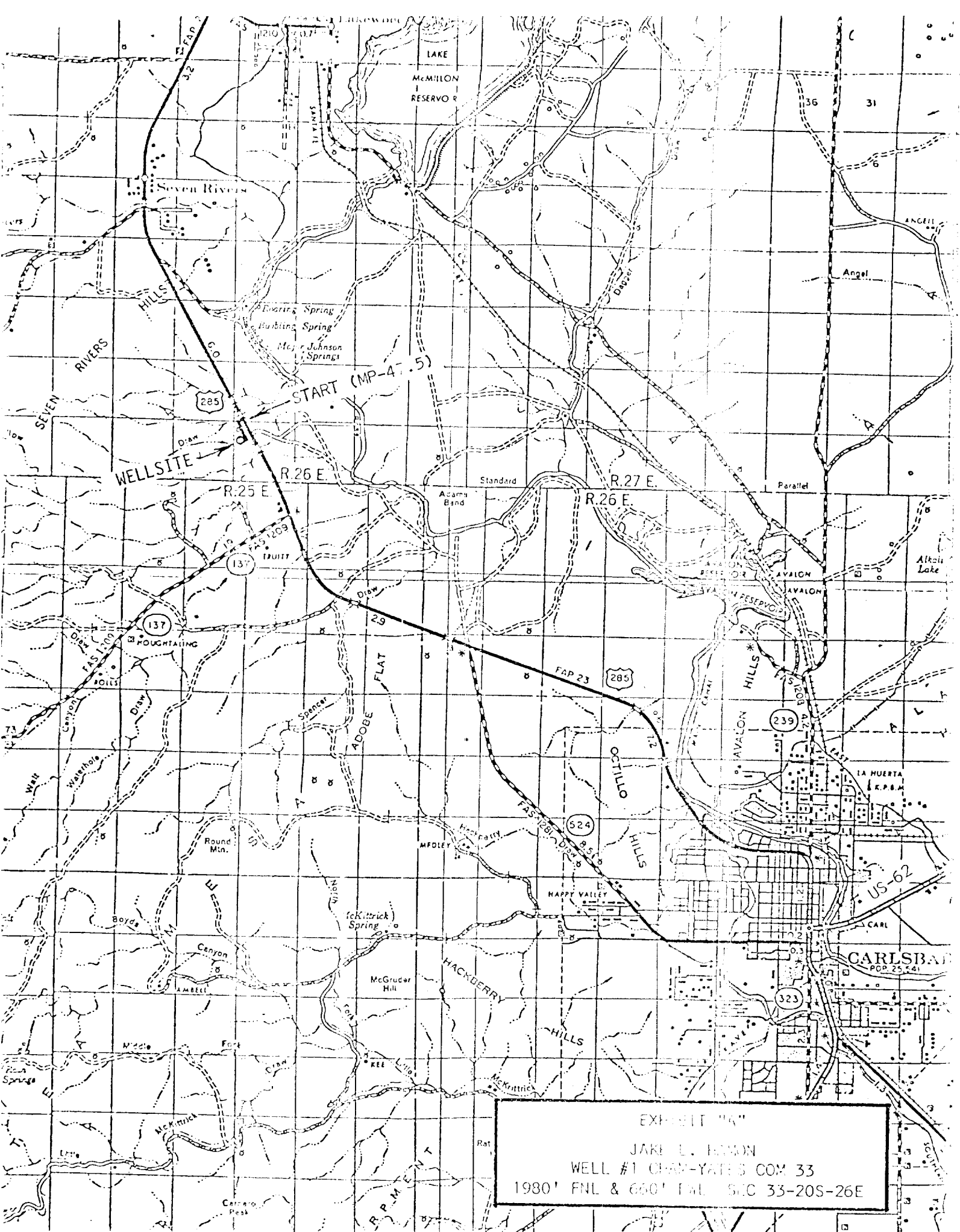
13. CERTIFICATION:

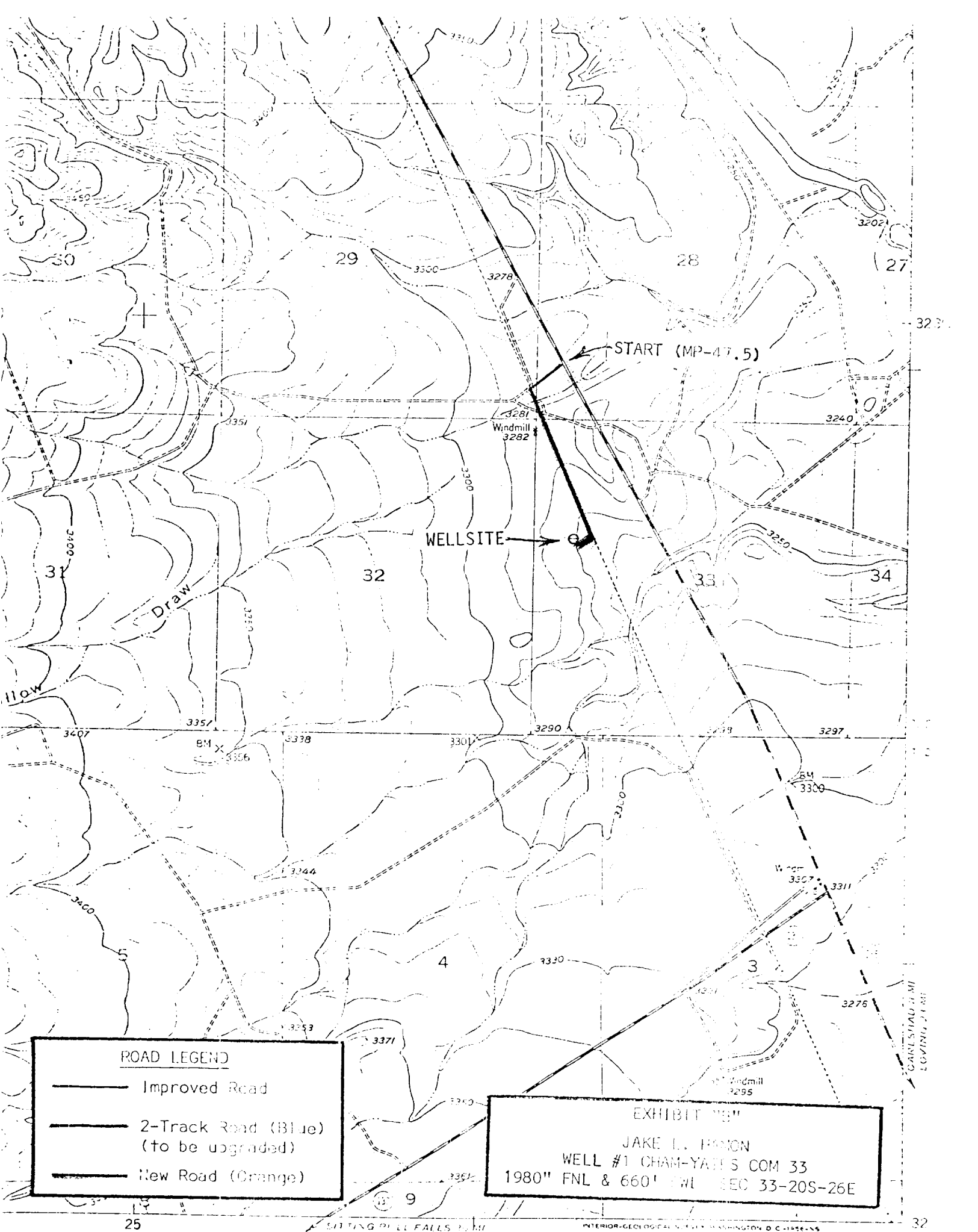
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by JAKE L. HAMON and his co-performers in conformity with this plan and its terms and conditions under which it is approved.

7-21-81

Date


JAKE L. HAMON



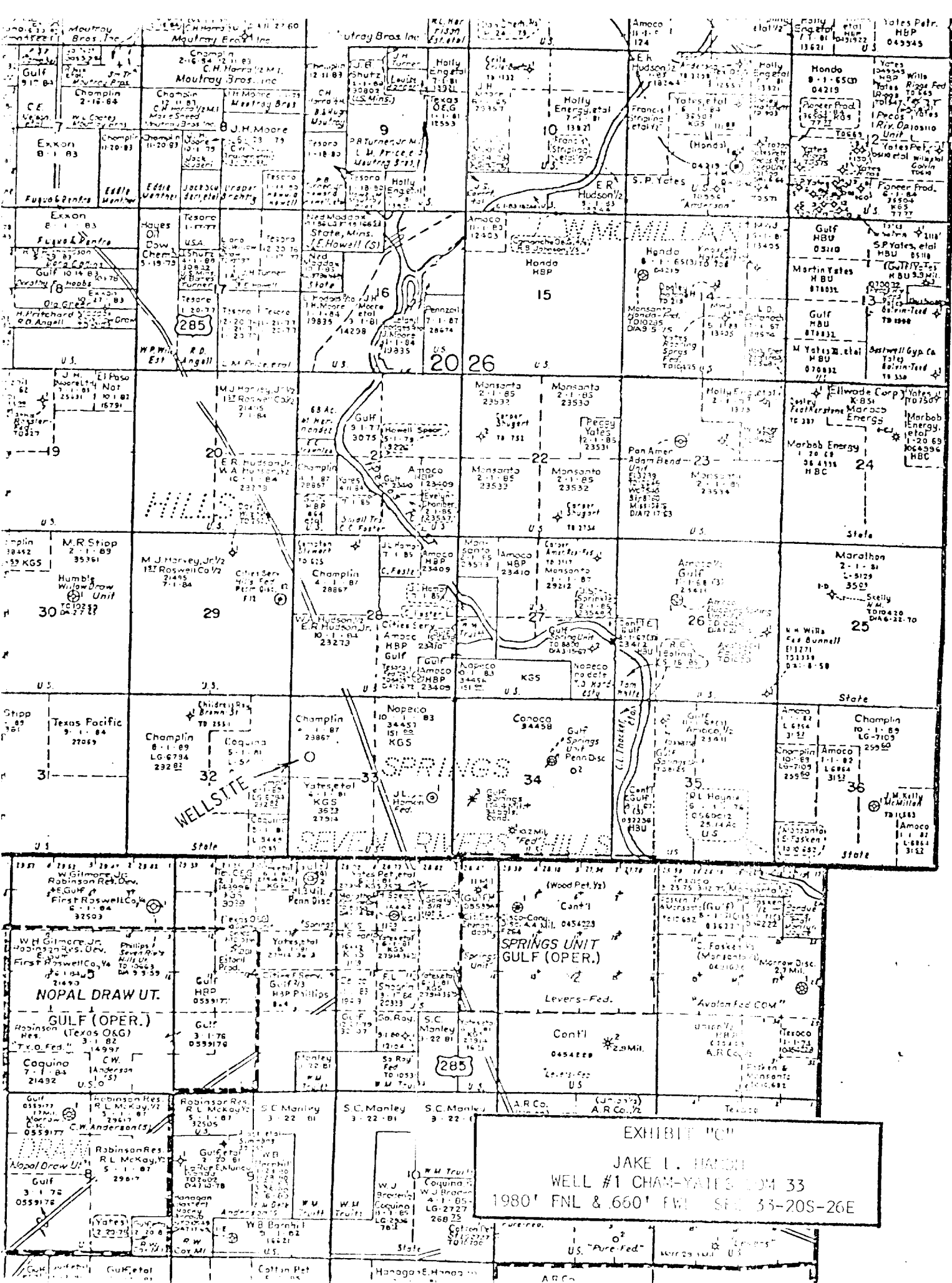


ROAD LEGEND

- Improved Road
- 2-Track Road (Blue)
(to be upgraded)
- New Road (Orange)

EXHIBIT "B"

JAKE L. FRISON
WELL #1 CHAM-YATES COM 33
1980" FNL & 660' FWL SEC 33-20S-26E



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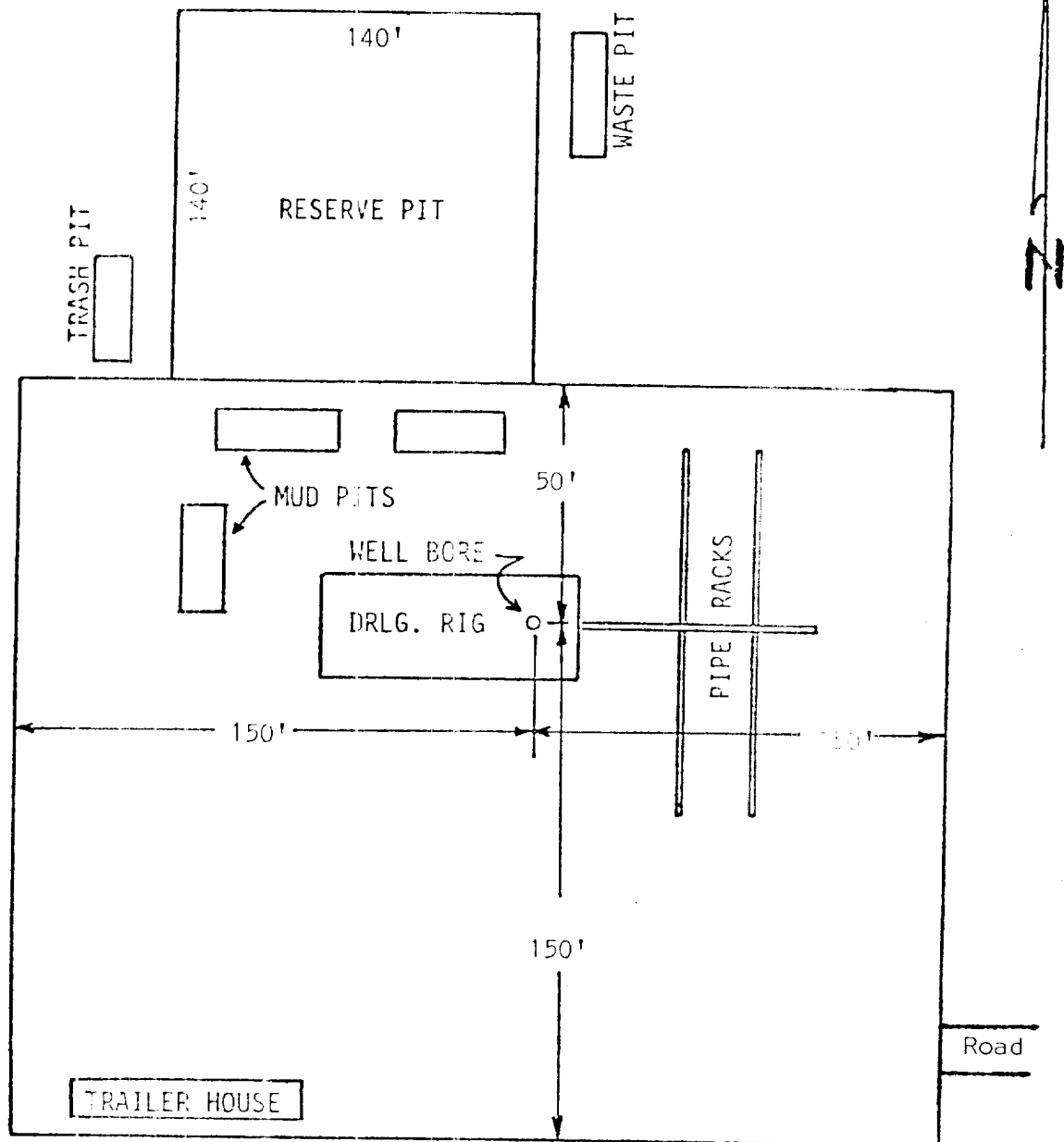


EXHIBIT "D"

JAKE L. HAMER

WELL #1 CHAM-YATES COM 33

1980 FNL & 660" FWL SEC 33-20S-26E