

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-15016	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Harvey E. Yates Company, Inc.		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Suite 1000, Security National Bank Bldg., Roswell, N.M. 88201		8. FARM OR LEASE NAME Exxon Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FNL & 1980' FWL  At proposed prod. zone Same		9. WELL NO. 2	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 Miles South of Kenna, New Mexico		10. FIELD AND POOL, OR WILDCAT Undesignated	
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'		11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Sec. 6, T-8S, R-31E	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1800'		12. COUNTY OR PARISH Chaves	
16. NO. OF ACRES IN LEASE 320		13. STATE N.M.	
19. PROPOSED DEPTH 3800'		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* February 8, 1977	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4231.2			

## 23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	20#	325'	Circulate
7 7/8"	4 1/2"	9.5#	3800'	275 Sx

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IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Harvey E. Yates TITLE Vice President DATE January 11, 1977  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY  
CONDITION OF APPROVAL, IF ANY:

THIS APPROVAL IS RESCINDED IF OPERATIONS  
ARE NOT COMMENCED WITHIN 3 MONTHS.  
EXPIRES MAY 11 1977

\*See Instructions On Reverse Side

FEB 1 1977

DISTRICT ENGINEER

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HOBBS, N. M.

**N MEXICO OIL CONSERVATION COMMISS**  
**WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
 Supersedes C-128  
 Effective 1-4-65

All distances must be from the outer boundaries of the Section

Operator <b>HARVEY YATES COMPANY</b>		Lessee <b>Exxon Federal</b>		Well No. <b>2</b>
Unit Letter <b>"C"</b>	Section <b>6</b>	Township <b>8 South</b>	Range <b>31 East</b>	County <b>Chaves</b>
Actual Footage Location of Well: <b>660</b> feet from the <b>North</b> line and <b>1980</b> feet from the <b>West</b> line				
Ground Level Elev. <b>4231.2</b>	Producing Formation <b>San Andres</b>	Pool <b>Undesignated</b>	Dedicated Acreage: <b>40</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated (use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

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**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

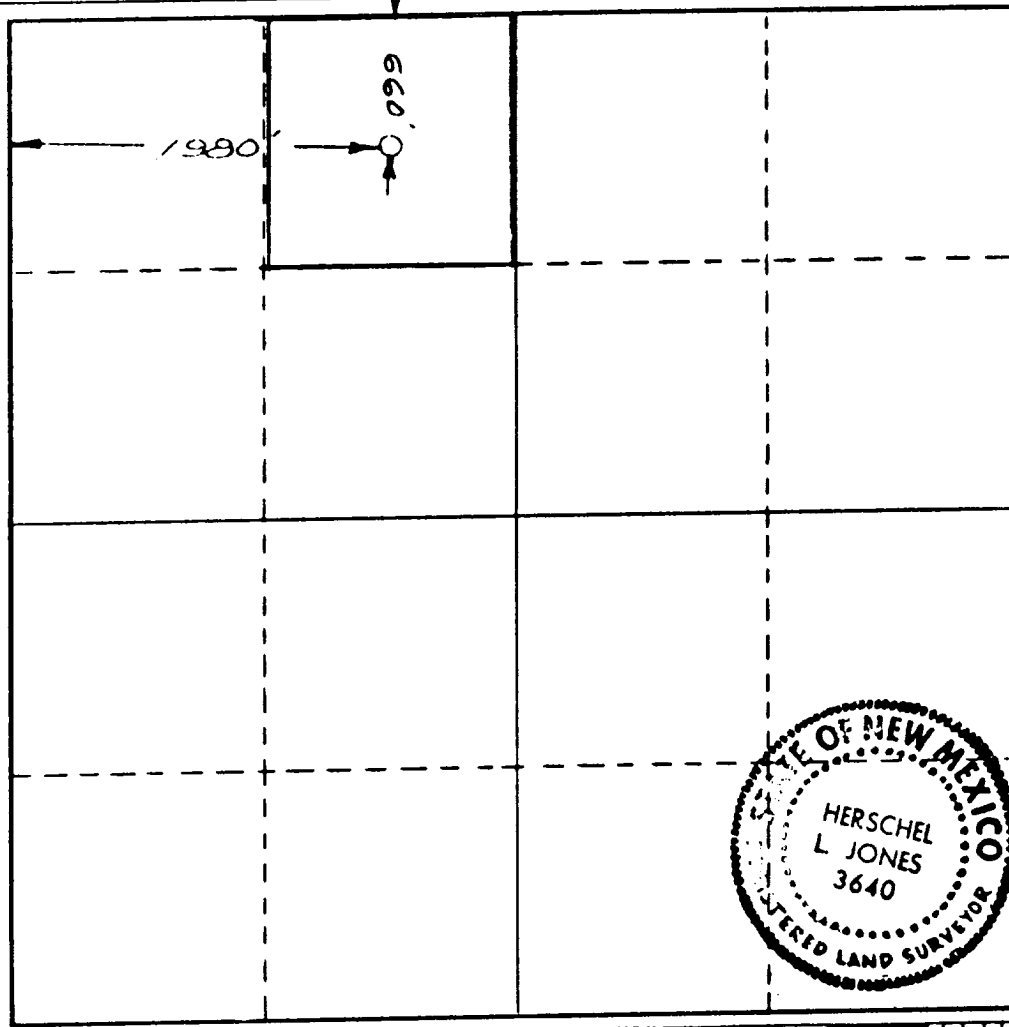
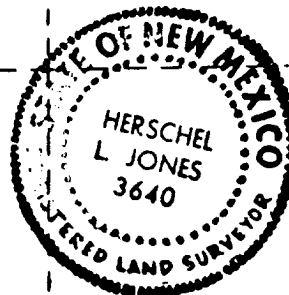
Name **Harvey E. Yates**  
 Position **Vice President**  
 Company **Harvey E. Yates Co., Inc.**  
 Date **January 11, 1977**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **January 4, 1977**

Registered Professional Engineer and/or Land Surveyor

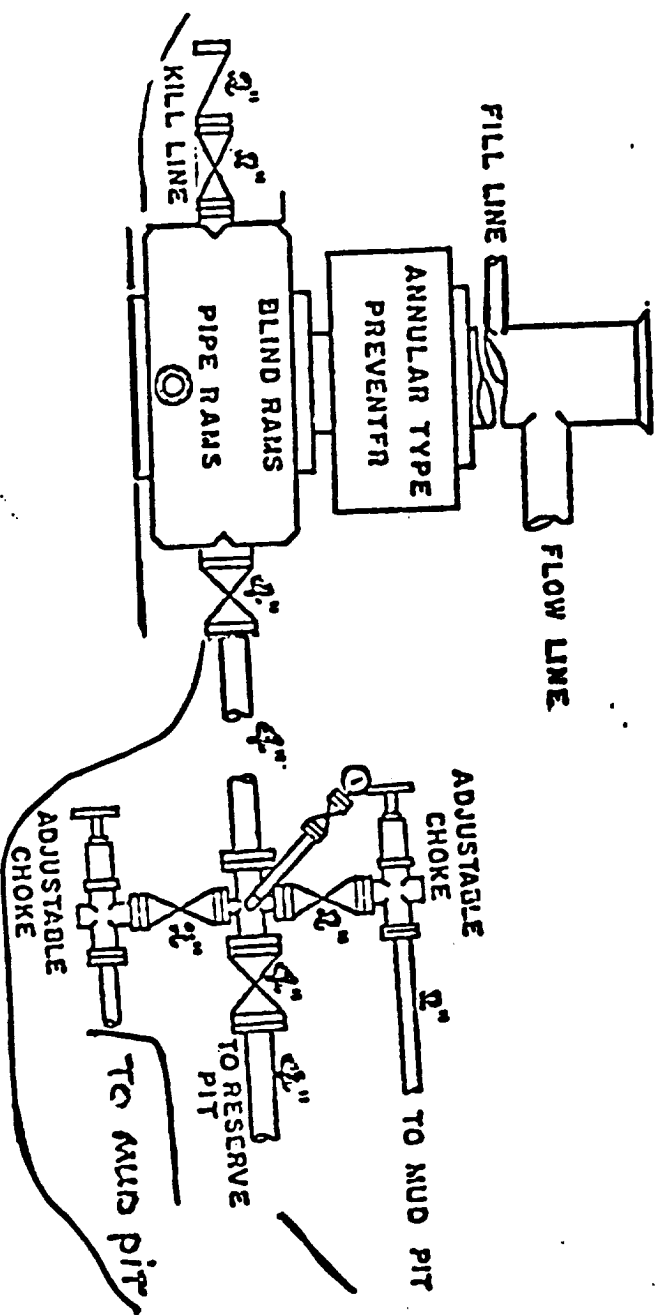
Certificate No. **3640**



OIL CONSERVATION COMM.  
HOBBS, N. M.

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900 Series

Rig #8



SURFACE USE PLAN

HARVEY E. YATES COMPANY, INC.  
Exxon Federal #2 660' FNL & 1980' FWL  
Exxon Federal #3 1980' FNL & 660' FWL  
Sec. 6, T-8S, R-31E, Chaves County, New Mexico

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1. EXISTING ROADS:

- A. Please refer to Map A. Travel from Roswell 25 miles on U. S. Highway 70, turn due east on Railroad Mountain road, continue on this road for 15 miles, turn south and continue 1 1/2 miles, turn east and continue 3 miles, turn north and travel 800' to Exxon Federal #1 location 1980' FNL & 1980' FEL, Sec. 6, T-8S, R-31E.

2. PLANNED ACCESS ROADS:

- A. Please refer to Map B on which planned access roads are color coded green. The new access road will run due east from Exxon Federal #1 2430' to proposed Exxon Federal #3 location 1980' FNL & 660' FWL, Sec. 6. This road will be a 12' X 6" compacted caliche road. From above road an access road to the Exxon Federal #2 will run starting at approximately 1320' west of Exxon Federal #1 and ending at proposed Exxon Federal #2 location which is 1980' FWL & 660' FNL of same section. This road will also be a 12' X 6" compacted caliche road. Caliche for the construction of proposed road will be obtained from a private pit owned by Emmet McCombs located NE/SE Sec. 6. This access road will originate from the Exxon Federal #1 because of topographic irregularities to the south of the proposed Exxon Federal #3 location and avoid cutting ranchers fence.

3. LOCATION OF EXISTING WELLS:

- A. Please refer to Map B. There are 3 producing wells in this section and no abandoned wells or injection wells. The 3 wells are the Exxon Federal #1 1980' FNL & FEL, the Graves #1 1980' FSL & FEL and the Graves #2 1980' FSL & FWL. These wells are color coded blue.

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION, GATHERING AND SERVICE LINES:

- A. Please refer to Map B on which tank batteries are shown on the Exxon Federal #1 and the Graves #1, also, a flow line runs from Graves #2 to Graves #1 tank battery. Service line enters section from the east servicing Graves #1, #2 and Exxon Federal #1 as shown on the map.
- B. The production facilities to be installed in the event the proposed wells are productive will be a flow line from the Exxon Federal #3 to the Exxon Federal #1 approximately 2680' in length.





and a flow line from the Exxon Federal #2 to the Exxon Federal #1 of approximately 1800'. Both lines are color coded light blue on Map B. If productive a power line will be constructed to both locations.

- C. The only equipment to be employed on above location will be a pumping unit.

5. LOCATION AND TYPE OF WATER SUPPLY:

- A. Water will be obtained from commercial sources.

6. SOURCE OF CONSTRUCTION MATERIAL:

- A. Caliche will be obtained from a private pit owned by Emmet McCombs, located in NE/SE Sec. 6.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Waste will be buried in reserve pits at a depth of 24". The well site will be cleaned of all waste and this will be done within 10 days after completion of the well.

8. ANCILLARY FACILITIES:

- A. None required.

9. WELLSITE LAYOUT:

- A. Please refer to Exhibit "C" on which is shown the configuration of WEK Drilling Company Rig #1. The well site will need no unusual amount of cut or fill. We do not plan to line the reserve pits.

10. PLANS FOR RESTORATION OF THE SURFACE:

- A. If the well is completed as a producing well, we will knock down pits and smooth out the surface. If not productive, in addition to the above, we will level the location.

11. OTHER INFORMATION:

- A. The surface is owned by Emmet McCombs, Elida, New Mexico, with whom a settlement for damages has been reached. The planned access roads and the pads will be located on relatively flat ground with no extreme cuts required. There are no houses, windmills, streams, ponds or lakes in the vicinity of the proposed locations.



Surface Use Plan  
Harvey E. Yates Company, Inc.  
Exxon Federal #2 and #3  
Page 3

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE:

A. The responsible field representatives are as follows:

Drilling - Fred G. Yates  
Harvey E. Yates Company, Inc.  
Suite 1000  
Security National Bank Building  
Roswell, New Mexico 88201  
Office Phone: 505-623-6601  
Mobile Phone: None  
Home Phone: 505-622-5387

Production - Herbert Spencer  
H & S Oil Company  
216 American Home Building  
Artesia, New Mexico 88210  
Mobile Phone: 365-2504  
Office Phone: 505-746-6658  
Home Phone: 505-746-2495



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 Harvey E. Yates Company, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

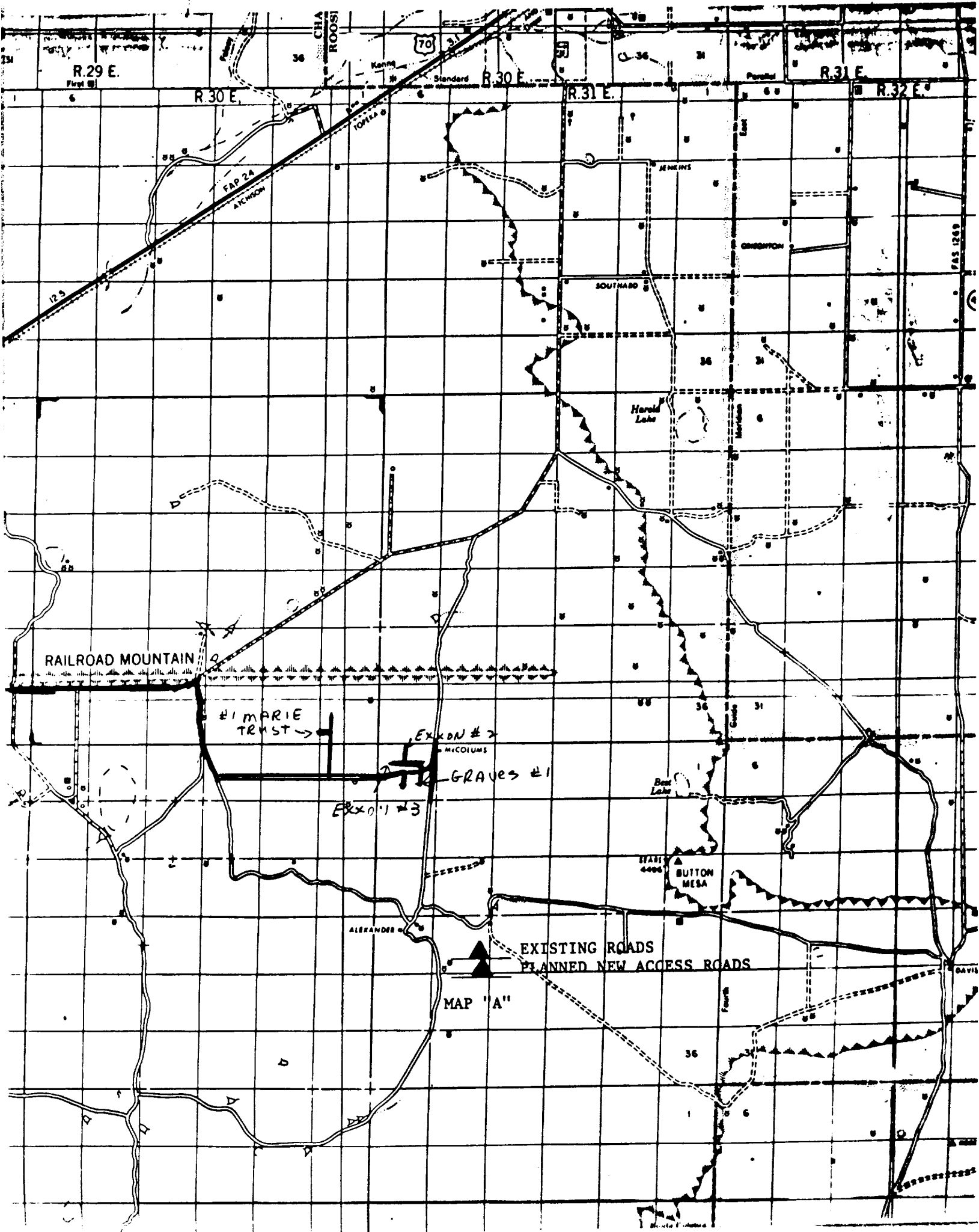
1-11-77

Date

J. E. Yates

Name and Title







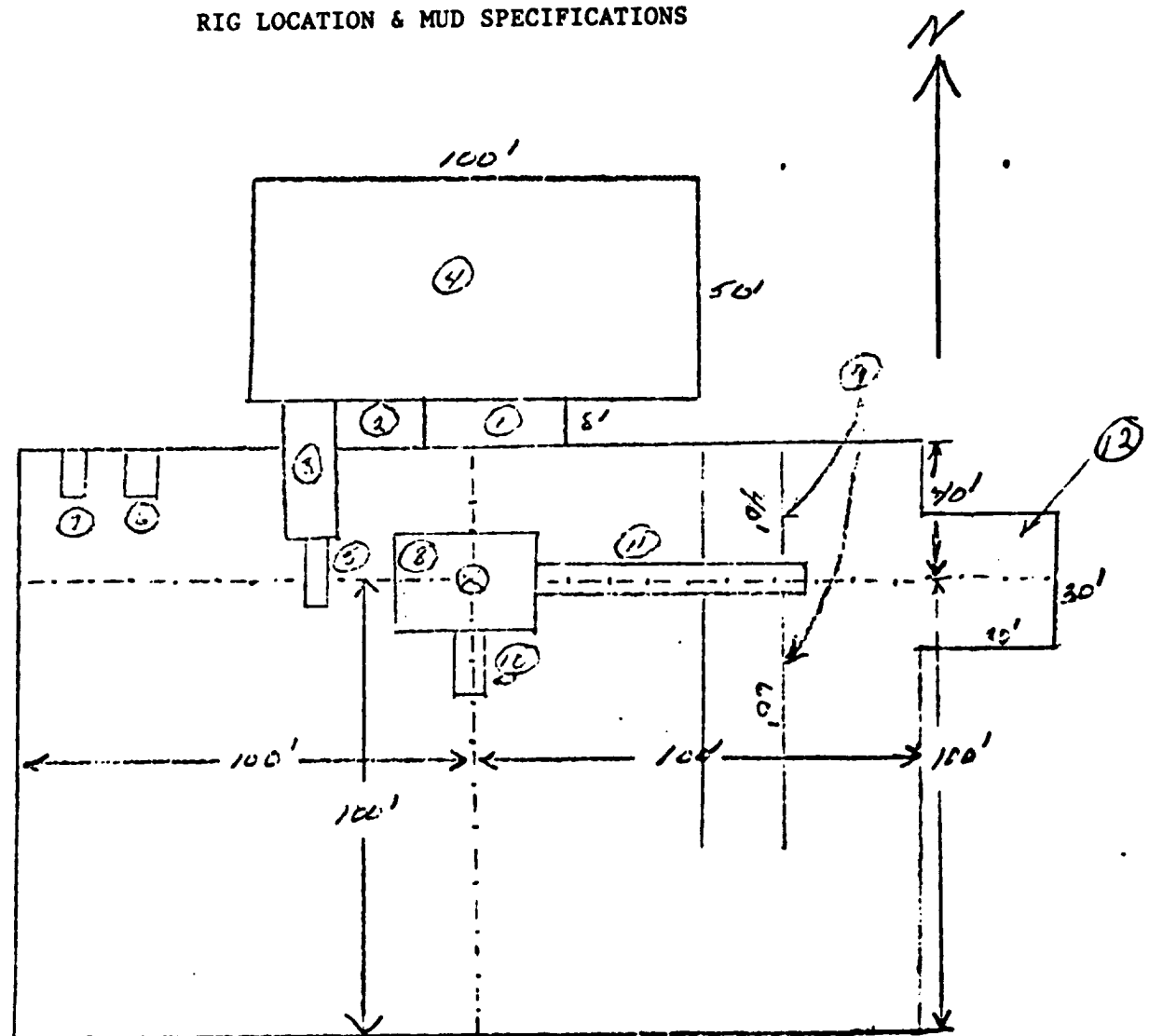






WEK DRILLING CO., INC.

RIG LOCATION & MUD SPECIFICATIONS



- ① Shale Pit 30' x 8'
- ② Mud Pit 20' x 8'
- ③ Suction Pit 30' x 8'
- ④ Reserve Pit 100' x 50'
- ⑤ Pump

- ⑥ Water Tank
- ⑦ Fuel Tank
- ⑧ Rig
- ⑨ Pipe Racks
- ⑩ Dog House
- ⑪ Cat Walk 60'
- ⑫ Stinger

Schaeffer Type E 10" Series 900 Hydraulic BOP. The waste and debris from this well will be disposed of in a reserve pit and covered up.

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O. C. C.  
ARTESIA, OFFICE

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