

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. 30-039-2136-3 NM 03547		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR Caulkins Oil Company			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR Post Office Box 780, Farmington, New Mexico			8. FARM OR LEASE NAME Breech F		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 790' from the East and 1190' from the South At proposed prod. zone Same			9. WELL NO. 40		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 35 miles Southeast of Blanco, New Mexico			10. FIELD AND POOL, OR WILDCAT South Blanco Pictured Cliffs		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'			11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA Section 33 27N 6W		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3400			12. COUNTY OR PARISH Rio Arriba		
16. NO. OF ACRES IN LEASE 1600			13. STATE New Mexico		
17. NO. OF ACRES ASSIGNED TO THIS WELL 160 ✓			20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6437 Ground			22. APPROX. DATE WORK WILL START* April 15, 1977		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4	8 5/8	24#	100'	Sufficient to circulate
7 7/8"	4 1/2	10.5	3170	425 sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated. It is proposed to drill well to 3170' using gel based 9# mud. Drill pipe float will be used with float installed at bit. ES Induction log will be run providing hole conditions permit tools in open hole, if not Neutron Log will be run in pipe. New 4 1/2" H-40, 10.5# casing will be cemented at TD with 325 sacks 50-50 pos containing 12 1/2# gel per sack, followed by 100 sacks Neat cement. Casing will have rotating scratchers and centralizers through Pictured Cliffs Zone. New 1" 10 rd thd. V-55 NU tubing will be run to top of Pictured Cliffs perforation. A Shaffer 8" Model LWP, 6000# test, 3000# WP Blowout Preventor will be in use at all times while drilling below 100'. Blowout Preventor will be tested at least once during each 24 hour day.

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 Charles E. Vequer TITLE Superintendent DATE March 17, 1977

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE MAR 17 1977

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-69

All distances must be from the outer boundaries of the Section.

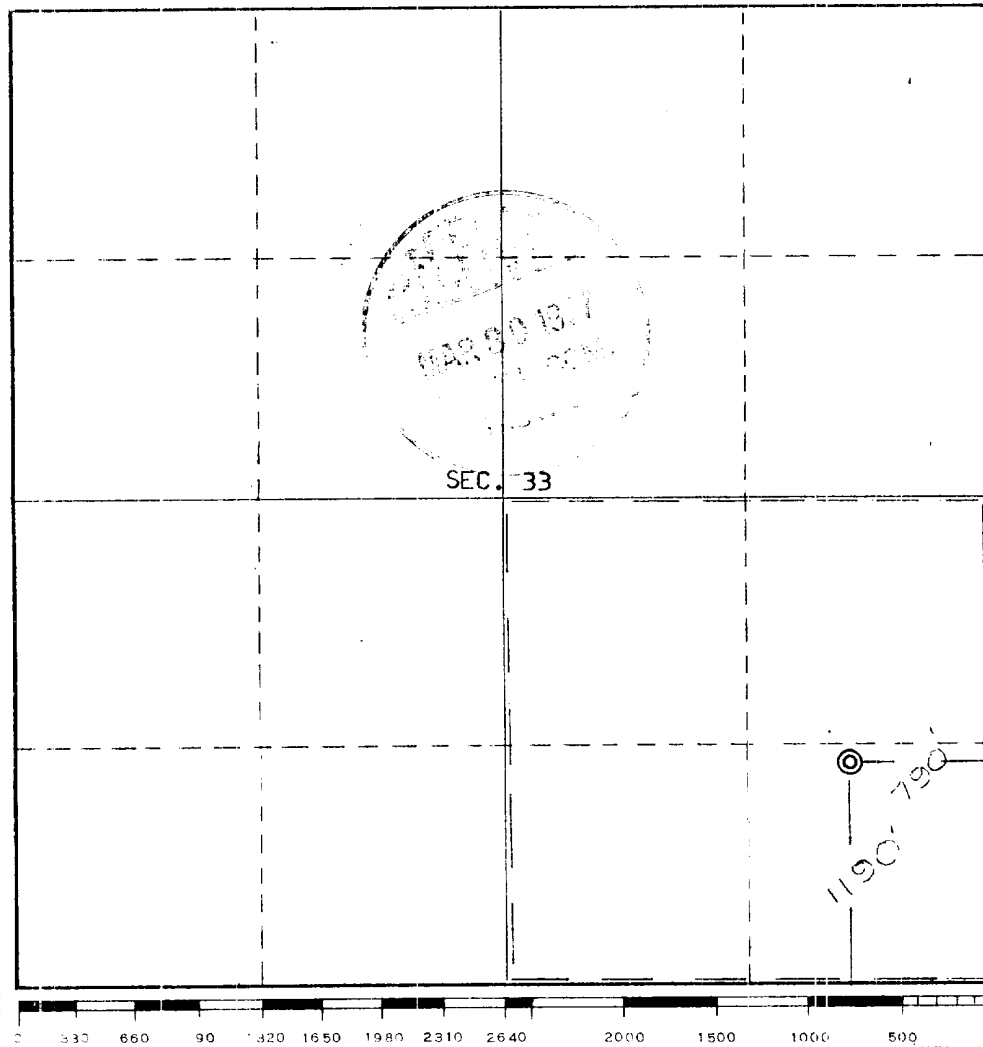
Operator Caulkins Oil Company			Lease NM 03547		Well No. 40
Tract Letter P	Section 33	Township 27 North	Range 6 West	County Rio Arriba	
Well Location Location of Well: 1190 feet from the South line and 790 feet from the East line					
Gravel Level Elev. 6497	Producing Formation Pictured Cliffs		Pool South Blanco		Dedicated Acreage 160 ✓ Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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.



CERTIFICATION

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

Name
Charles E. Lueger
Superintendent
Position
Caulkins Oil Co.
Company
March 15, 1977
Date

LAND SURVEYOR
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
March 5, 1977
Registered Professional Engineer and/or Land Surveyor
E. V. Echhawk
Certificate No. **3602**
E. V. Echhawk LS

CAULKINS OIL CO.

Post Office Box 780
Farmington, New Mexico 87401

March 17, 1977

United States Dept. of the Interior
Geological Survey
Post Office Box 1809
Durango, Colorado 81301

Gentlemen:

Following is our multi-point development plan for surface use and restoration for our well No. 40, located in Southeast Quarter of Section 33 27N 6W, Rio Arriba County, New Mexico.

- (1) Location to be built adjacent to existing road. Copy of Topo map showing proposed location and existing roads in area.
- (2) No new road required. Access roads from Ercan Camp to location marked on Topo Map.
- (3) Location of existing wells shown on Topo Map.
- (4) No tank battery or production facilities required. Note: Gas Company of New Mexico as purchaser of gas will apply for permit for pipelines and production equipment.
- (5) Water will be hauled from Caulkins Oil Company well number 130, located in Northwest Quarter of Section 9 26N 6W, Rio Arriba County, New Mexico. Identified with Red Circle on Topo Map. Roads on Federal lands used to haulwater from water well to location also shown on Topo Map.
- (6) No construction materials needed for roads or location.
- (7) All cuttings, trash, garbage and etc. will be confined to reserve pit and small fenced pit on location. After rig is moved out, area will be cleaned up, small pit covered and reserve pit fenced until fluid in pit evaporates. Reserve pit will be covered as soon as it dries sufficiently to proceed without damage to outside surface.
- (8) No camp required.
- (9) Layout plat for location and reserve pit attached. Location lays on slight slope. A 1' cut on West end of location will be required. Reserve pit will be built from earth materials, banks will be packed by tractor and pit will not be lined.
- (10) Reserve pit will be covered and cleaned up then reseeded with BLM recommended seeding program with 2 $\frac{1}{2}$ # Crested Wheatgrass, 2 $\frac{1}{2}$ # Smooth Brome, 3# Fourwing Saltbrush (dewinged) and 1# Nomad Alfalfa per Acre. Reseeded area will include all location and reserve pit area to within 5' of all facilities. Seeding shall be done between July 15 and Oct. 15. All facilities maintained by Caulkins Oil Company shall be painted Grey, Number 36357.

(11) New location will be along side existing road, area to be disturbed has medium coverage of Blue Gama and Sage Brush. Soil is sandy clay loam.

Water drainage from existing road will be turned out with water bar on west end of location and ditched accross west end of location.

(12) Operator's Representative's:

Charles Verquer, Supt.
Post Office Box 780
Farmington, New Mexico 87401
Phone: 325-0481

(13) Certification:

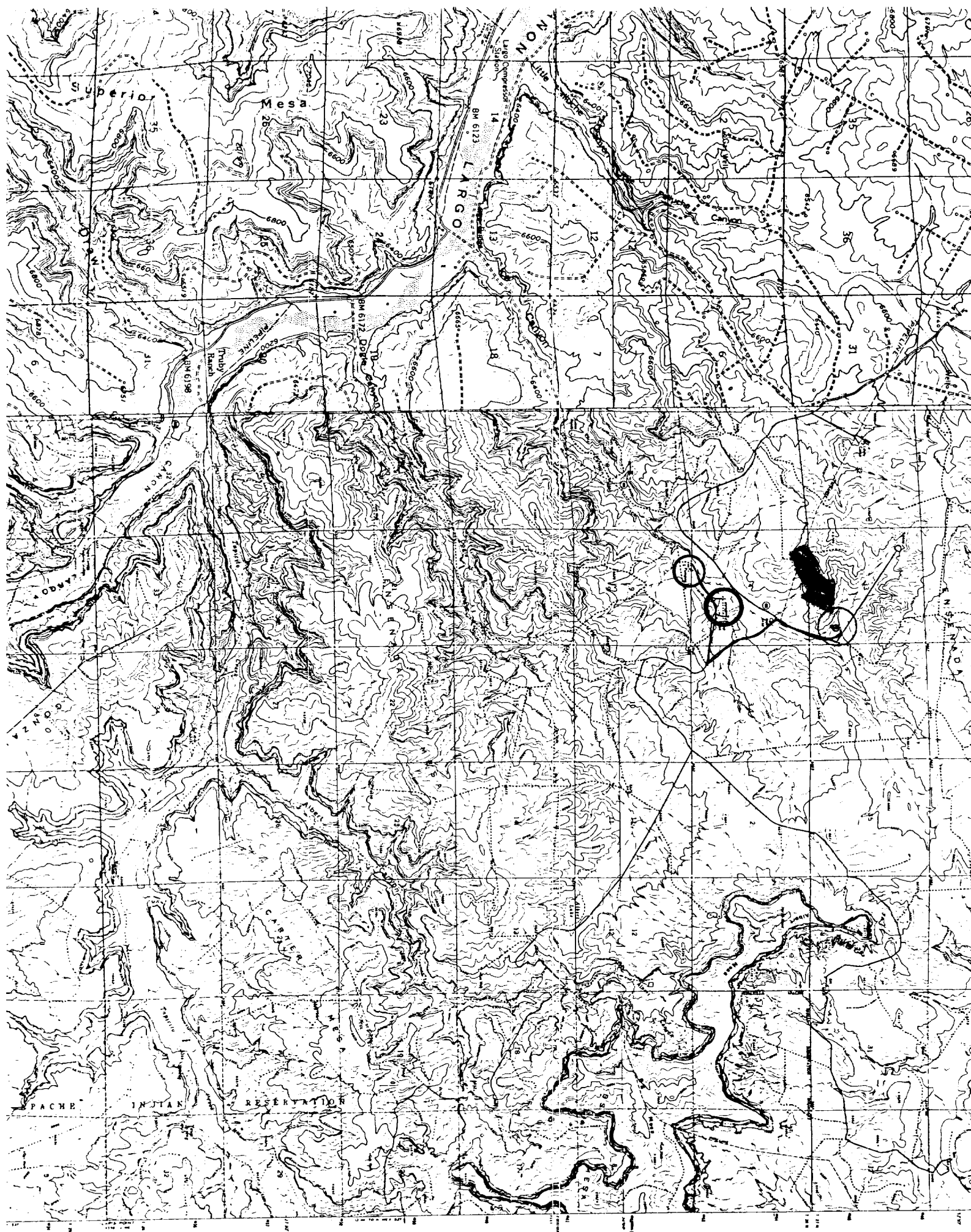
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated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

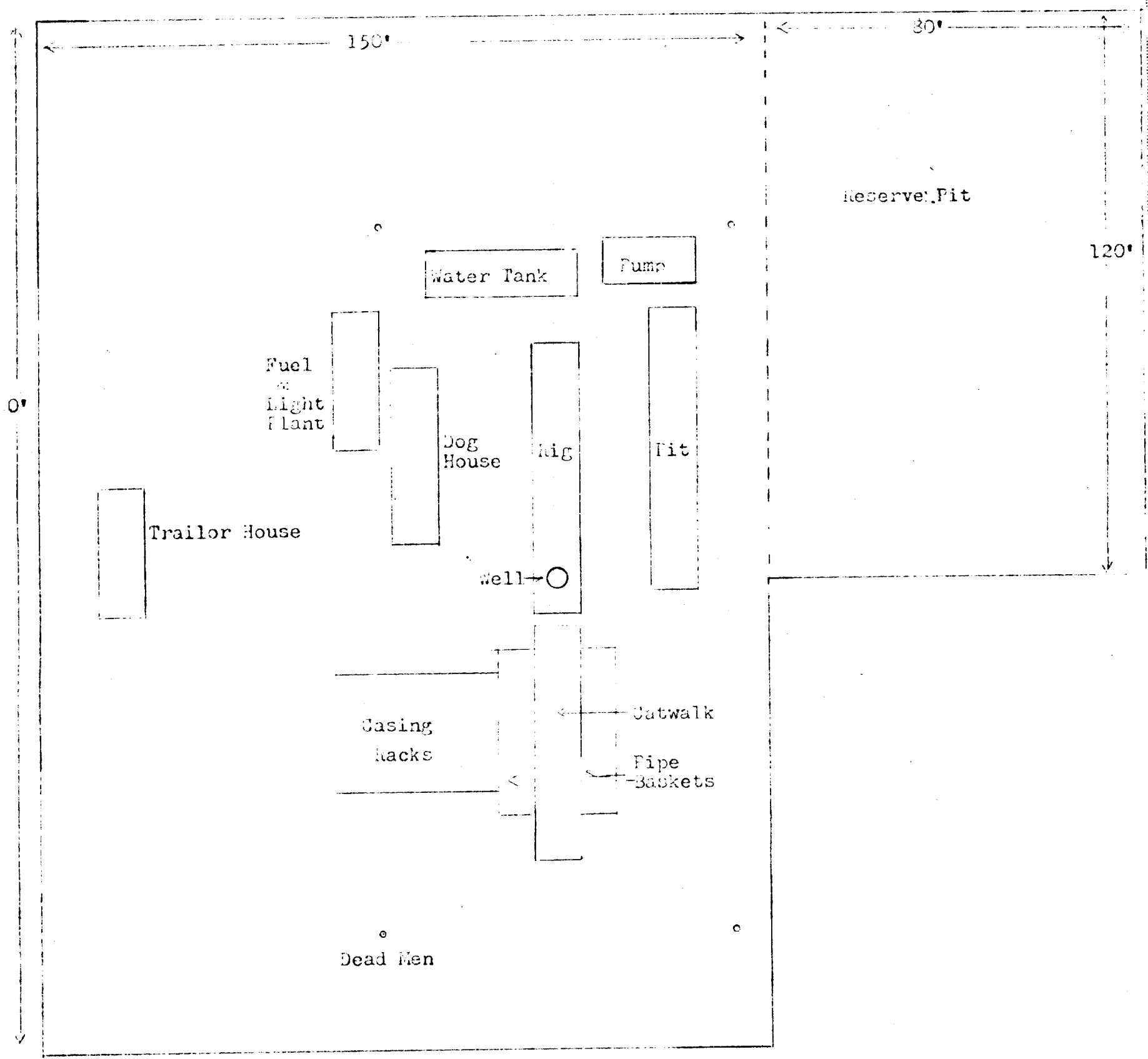
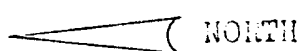
March 12, 1977

Date

Charles Verquer

Charles Verquer, Supt.





Scale - 1 inch = 25'

Well Number 40
SE SE Section 33 27N 6W
Rio Arriba County, New Mexico