

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

RECEIVED

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒OTHER ☐

SEP 4 1980

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Tom Bolack

U. S. GEOLOGICAL SURVEY
FARMINGTON, N.M.

3. ADDRESS OF OPERATOR

P.O. Box 255, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

790 ft. From the South and west lines

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15 miles east of Farmington, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

790 ft.

16. NO. OF ACRES IN LEASE

160 ac.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

S/320 ac.

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1250 ft.

19. PROPOSED DEPTH

6880 ft.

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

DRILLING ON GROUND 5736' Ground

22. APPROX. DATE WORK WILL START*

October 15, 1980

SUBJECT OF PROPOSAL ATTACHED

PROPOSED CASING AND CEMENTING PROGRAM

"GENERAL INFORMATION"

This permit is valid for 180 days.
Approval required to extend beyond 180 days.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#, J-55	250 ft.	250 sx.
7 7/8"	5 1/2"	15.5#, K-55	6880 ft.	900 sx.

Operator proposes to drill a Dakota test well to 6880 ft. to test Gallup & Dakota gas possibilities. 8 jts of 8 5/8" surface csg. will be set in 250 ft. of 12 1/4" hole with cement circulated to the surface. A dual ram 10"-900 series, 3,000 psi blow out preventor will be installed and pressure tested to 1000 psi before drilling surface csg. shoe. A 7 7/8" hole will be drilled with mud to total depth estimated to be 50 ft. into the Morrison Fm. Circulating medium will be a gel-based mud with a 8.9 to 9.4#, 4 5 viscosity and low water-loss properties to control lost circulation possibilities. No abnormal pressure zones are anticipated. At total depth an Induction-Electrical, Formation Density and Compensated Neutron Density log with caliper will be run. 5 1/2", 15.5# production casing will be run to total depth with sufficient cement to cover all formations below the Fruitland. Possible productive zones will be perforated, acidized, and stimulated with an appropriate sand-water frac treatment. Estimated formation tops: Nacimiento Fm - Surface, Ojo Alamo Ss - 980', Fruitland Fm. - 1750', Pictured Cliffs Ss - 2100', Lewis Sh. - 2200', Mesaverde Fm. - 3675', Point Lookout Ss. - 4440', Mancos Sh. - 4700' Gallup Ss - 5705', Lower Mancos Sh - 5970', Dakota Ss. - 6550', Morrison Fm. - 6830'. Estimated drilling time 18 days. One 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

William R. Speer

TITLE

Agent

DATE

Sept. 4, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

SEP 22 1980

APPROVED BY

TITLE

OIL CON. COM.
DIST. 3

DATE

CONDITIONS OF APPROVAL

ok 3 mi

11/200

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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

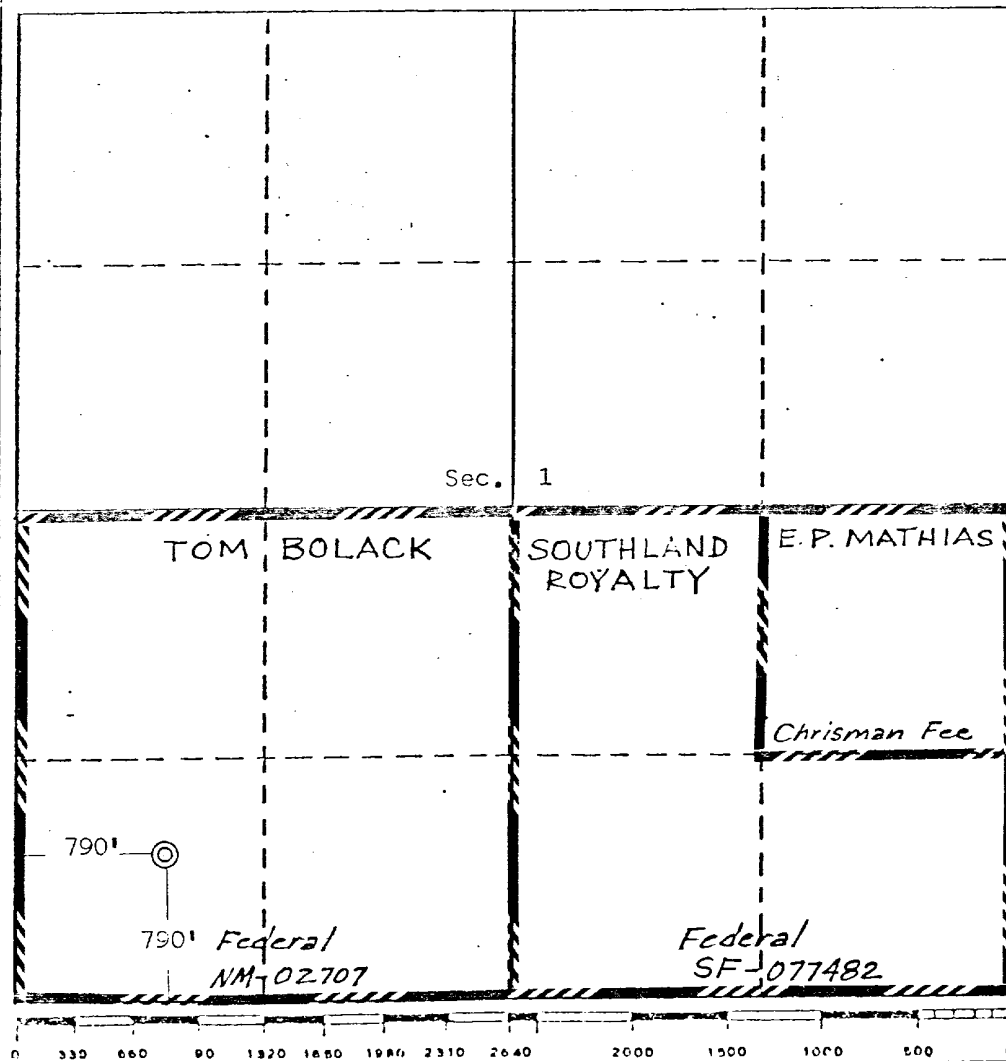
Operator Tom Bolack		Lease Tommy Bolack		Well No. #1
Unit Letter M	Section 1	Township 30 North	Range 12 West	County San Juan
Actual Footage Location of Well: 790 feet from the South line and 790 feet from the West line				
Ground Level Elev. 5735	Producing Formation Dakota	Pool Basin Dakota	Dedicated Acreage: S/2-320 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.) T. Bolack-SW/4; Southland Royalty-S/2SE/4, NW/4SE/4

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. Awaiting order on compulsory pooling hearing, Case No. 6993, held 8/6/80



CERTIFICATION

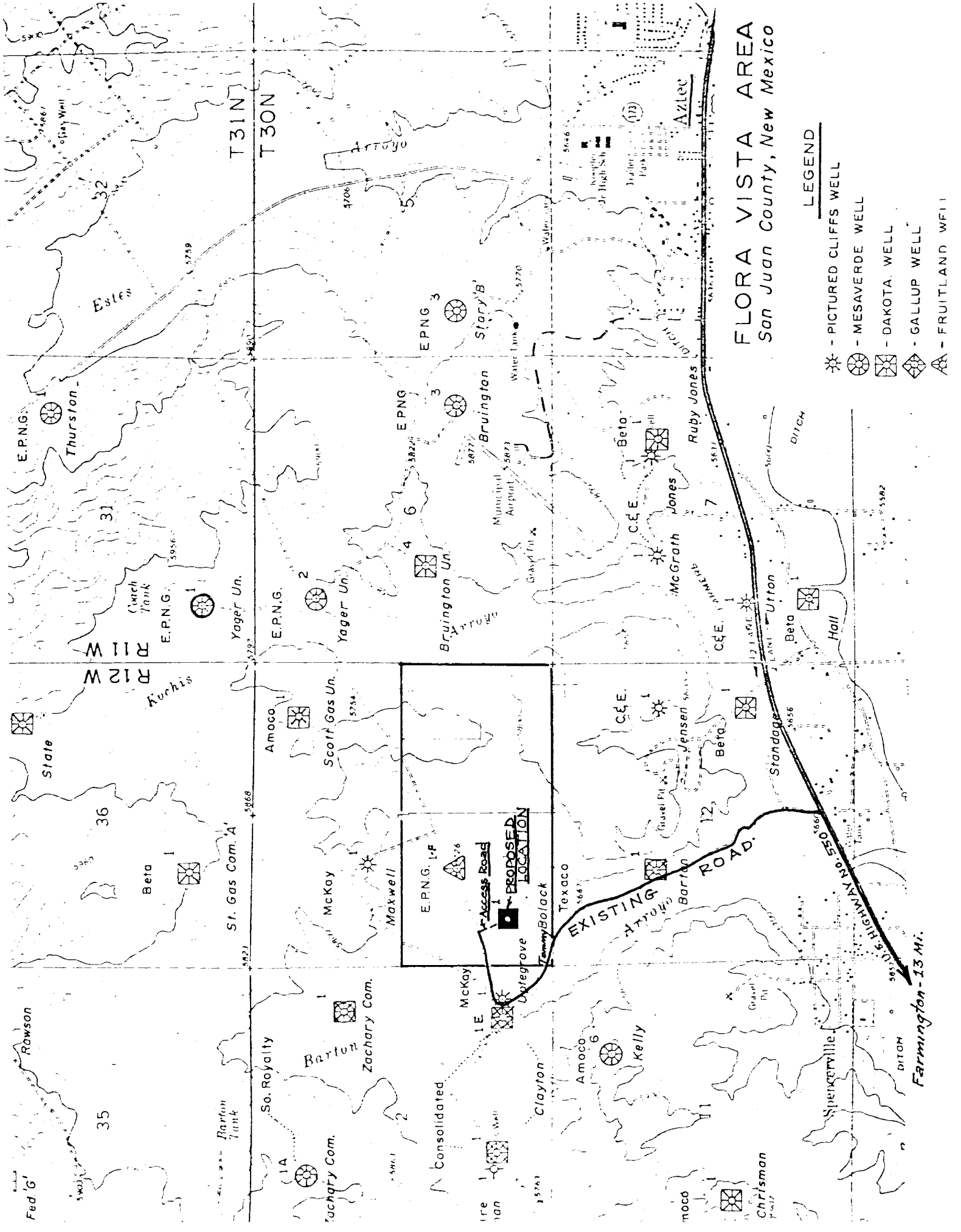
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
William R. Speer
Position
Agent
Company
Tom Bolack
Date
September 4, 1980

I hereby certify that the well location shown on this plat was plotted from field notes of accurate survey 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
September 2, 1980
Registered Professional Engineer and/or Land Surveyor

Edgar L. Risenhoover
Certificate No. 5979
Edgar L. Risenhoover, L.S.



FLORA VISTA AREA

San Juan County, New Mexico

LEGEND

- PICTURED CLIFFS WELL
- MESAVERDE WELL
- DAKOTA WELL
- GALLUP WELL
- FRUITLAND WELL

Farmington - 13 Mi.

DEVELOPMENT PLAN FOR SURFACE USE

For proposed Tom Bolack #1 Tommy Bolack well,
located 790 ft. from the south and west lines of
Section 1, T30N-R12W, N.M.P.M., San Juan Co., N.M.

1. The attached topographic map (scale: 1 inch = 2000 ft.) indicates the proposed location of the well, as well as the location of existing roads and wells in the immediate vicinity.
2. The proposed well is accessible by utilizing existing U.S. Highway 550 to approximately 1 1/2 miles from the western city limit of Aztec, where a maintained dirt road extends 1.2 miles northward to the Consolidated Oil & Gas Co. #1-E Clayton well. Eastward from this well is a maintained pipeline right-of-way road which, at 1500 ft. distance, is immediately north of the proposed location. It will be necessary to construct approximately 500 ft. of new road southward along a ridge to the location. This road will be approximately 14 ft. wide with appropriate bar and drainage ditches and appreciably no cut or fill necessary. The surface rights of the quarter section in which the proposed well is located is privately owned by Mrs. Lela D. Scott. The Operator has negotiated a release from Mrs. Scott for surface damages for the location, access roads and pipeline right-of-way required to drill, complete and produce this well and has agreed to clean up, rehabilitate and maintain these installations in a manner acceptable to the proper authority of the U.S. Geological Survey, as indicated on the attached copy of their agreement.
3. All existing wells in the immediate vicinity are shown on the attached map together with their current status.
4. If tank batteries and production equipment (horizontal separator and heater-treater) are required, they will be placed on the constructed location within 150 ft. to 200 ft. of the wellhead for each producing zone. A tie with the existing El Paso Natural Gas Co. gathering system 500 ft. to the north is anticipated.
5. Water for the drilling and completion of the proposed well will be obtained from the Animas River and hauled by truck to the location for storage in portable water tanks.
6. No construction materials will be required.
7. All trash, garbage and debris will be placed in a burn pit excavated adjacent to the reserve pit. All burnable material will be burned and the remainder buried under a minimum 4 feet of dirt cover upon completion of drilling. Drilling wastes (cuttings, mud, chemicals, etc.) will be contained in the reserve pit and upon completion of drilling and any completion attempt, will be allowed to dehydrate thoroughly within the fenced reserve pit (for approximately 4-6 weeks) then buried beneath a minimum 4 feet of dirt cover, tamped and leveled to conform with the pre-existing terrain or the level of the production location. A portable toilet will be provided for human waste.

8. No ancillary facilities are required or planned.
9. The well-site layout is illustrated on the attached plat.
10. Cleanup of the well location will commence immediately following removal of the drilling and completion equipment. The reserve pit will be fenced and allowed to dry out sufficiently to permit proper infilling, tamping and leveling. The entire location will be leveled and if the well is productive; will be maintained free of trash, debris and weeds. Any tankage or pits will be appropriately fenced. Rehabilitation and maintenance has been discussed with the surface owner in accordance with the attached damage release.
11. The surface which will be disturbed is essentially barren, pebble-covered silt soil with sparse pinon and sagebrush vegetation and only minimal grass. It is not used for grazing now, nor has it been in recent years. There is no evidence of archaeological remains within the area, as determined by a careful surface examination.
12. The lessee and operator's representative and agent for the proposed well is William R. Speer, P.O. Box 255, Farmington, NM 87401. His office telephone number is 505-325-7789 and his residence number is 505-325-2520.
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 Mr. Tom Bolack and his contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

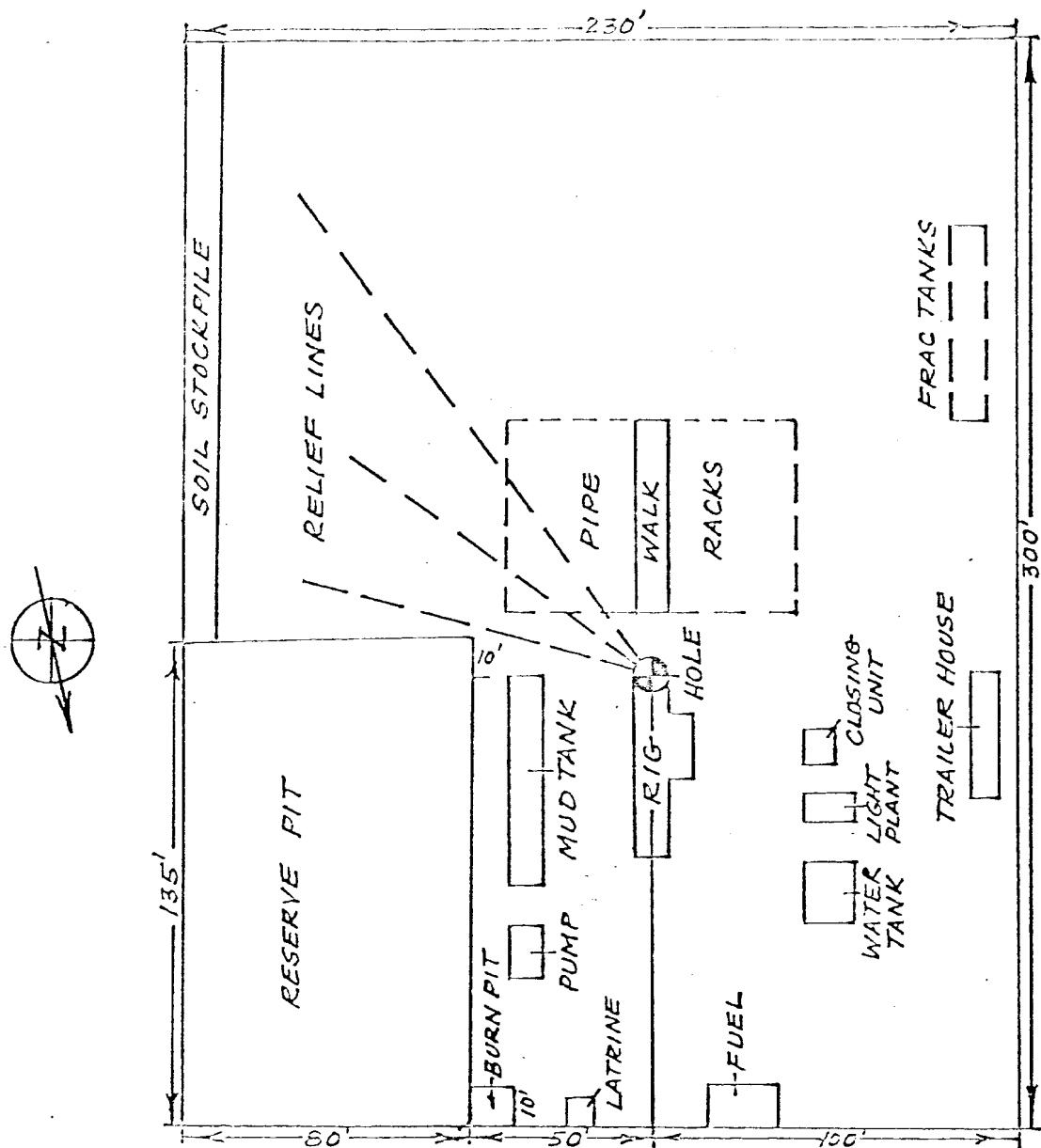
Sept. 4, 1980
Date

William R. Speer
William R. Speer
Consulting Geologist

LOCATION FOR:

TOM BOLACK #1 TOMMY BOLACK DAKOTA TEST

SW $\frac{1}{4}$ SW $\frac{1}{4}$ SECTION 1, T30N-R12W, SAN JUAN CO., N.M.

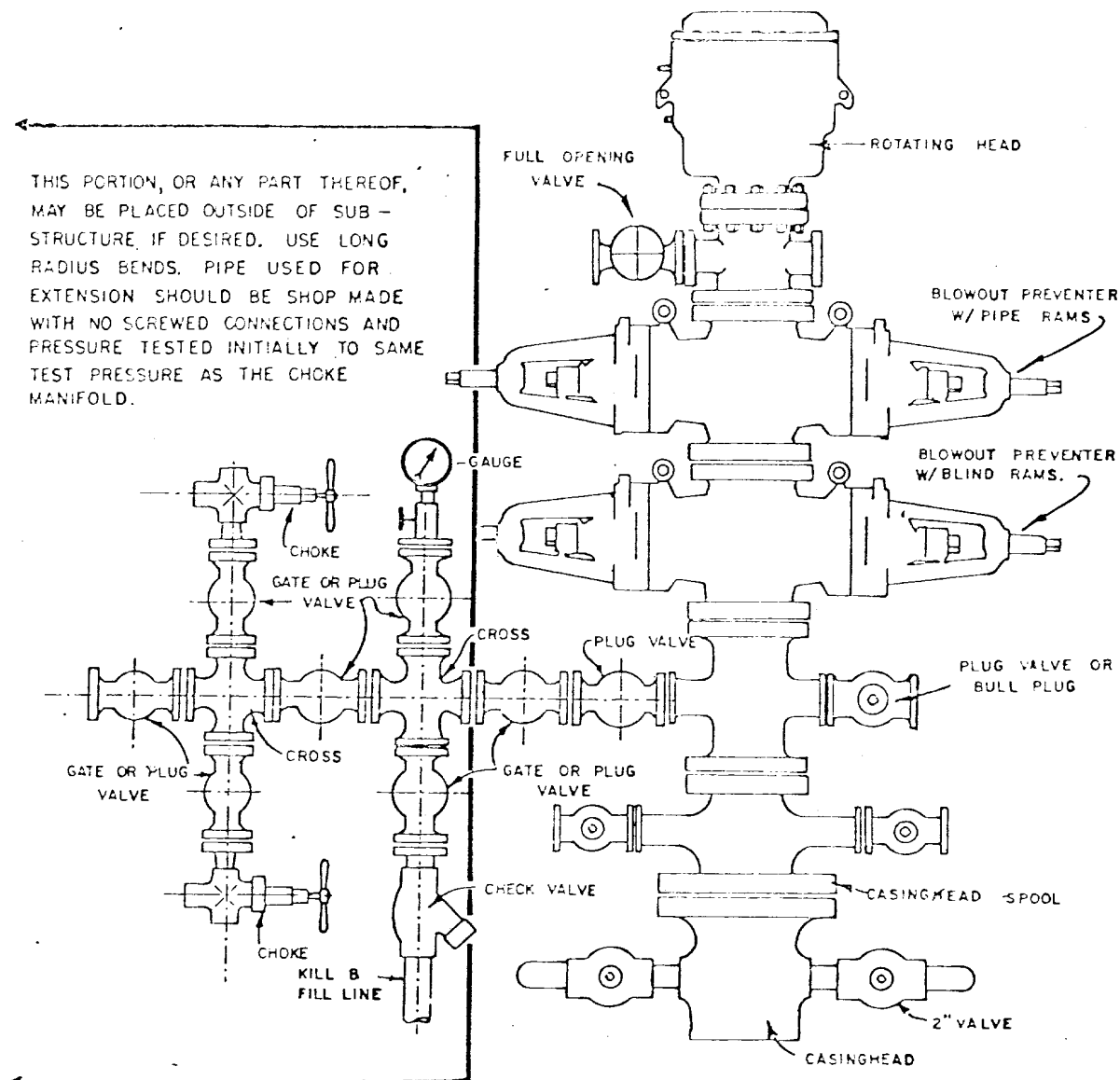


DAKOTA WELL DRILL-SITE LAYOUT PLAT

SHOWING SIZE, LOCATION & PLACEMENT OF VARIOUS DRILL UNITS

SCALE: 1 INCH = 50 FEET

THIS PORTION, OR ANY PART THEREOF, MAY BE PLACED OUTSIDE OF SUB-STRUCTURE, IF DESIRED. USE LONG RADIUS BENDS. PIPE USED FOR EXTENSION SHOULD BE SHOP MADE WITH NO SCREWED CONNECTIONS AND PRESSURE TESTED INITIALLY TO SAME TEST PRESSURE AS THE CHOKE MANIFOLD.



BLOWOUT PREVENTER HOOKUP

RELEASE

KNOW ALL MEN BY THESE PRESENTS:

THAT the undersigned, for and in consideration of the sum of
OMITTED

(\$ OMITTED) in hand
paid by William R. Speer, the receipt and sufficiency of which
is hereby acknowledged, do(es) hereby release and forever discharge
Tom Bolack and ~~his~~^{his} agents, employees, contractors and sub-
contractors from all actions, causes of action, suits, claims, and
demands whatsoever for and on account of damages caused by the con-
struction of roadway, pipeline right-of-way and drill-site locations
for use in drilling and operating gas or oil wells to the real pro-
perty described as follows:

SW/4 SW/4 of section 1, Township 30 North, Range 12 West, N.M.P.M.,

San Juan County, New Mexico

and for and on account of any damages to structures, improvements,
timber, growing crops, or livestock thereon, arising out of any act-
ivity or operation conducted by Tom Bolack on said
premises, either acting through ~~his~~^{his} agents and employees or by and
through its contractors and subcontractors.

The undersigned represents that ~~he~~^{she} is legally entitled to possess
and occupy the surface of said property and is, therefore, entitled
to receive payment for the damages sustained thereto.

Without limitation, this release also is a complete discharge
and satisfaction to Mrs. Lela D. Scott obligations to the date
hereof, for the payment of damages as provided for in the existing
oil and gas lease(s) covering the above-described premises.

SIGNED this 17th day of August 1980.

Lela D. Scott

WITNESSES:

Don Jensen

William R. Speer

The operator has agreed to clean up and maintain the roads, well
locations and pipeline right-of-way in a manner acceptable to the
proper authority of the U.S. Geological Survey.