

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CURTIS U. TITLE

30-039-23435
LEASE DESIGNATION AND SERIAL NO.
DILMAN 063A E2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Bolack Minerals Company

3. ADDRESS OF OPERATOR

P.O. Box 255, Farmington, N.M. 87401

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

At surface

2040 ft. fsl, 810 ft. fEl

At proposed prod. zone

same

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

4 1/2 miles northeast of Counselors Farming Post

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

810 ft.

18. DISTANCE FROM PROPOSED LOCATION*

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

None

16. NO. OF ACRES IN LEASE

480

19. PROPOSED DEPTH

2200 ft.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

6747' ground level, 6753' estim. kelly bushing

22. APPROX. DATE WORK WILL START*

Jan., 1984

23. DRILLING OPERATIONS AUTHORIZED ARE CASING AND CEMENTING PROGRAM

This action is subject to administrative
appeal pursuant to 30 CFR 290.

GENERAL REQUIREMENTS		WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
SIZE OF HOOD	SIZE OF Casing			
9 7/8"	7"	26 lb.	100 ft.	approx. 75 cu.ft.(surf.)
6 1/4"	2 7/8"	6.5 lb.	2200 ft.	approx. 600 cu.ft.(surf. csq.)

Operator proposes to rotary drill a Pictured Cliffs well to 2200 ft. to replace a previous P.C. well drilled 1600' fsl, 1090' fEl, completed and produced until Mar., 1967, when it was plugged & abandoned. A 9 7/8" hole will be drilled to 100 ft. and 7", 26 lb. casing set with approx. 75 cu.ft. of Class B cement circulated to surface. A dual-ram, 2,000 psi-test blowout preventer will be installed and pressure-tested before drilling the casing shoe. A 6 1/2" hole will be drilled to a T.D. of 2200' with a gel-based mud of appropriate properties. No abnormal pressure zones are anticipated. At T.D. an electrical-induction log will be run. It is anticipated that 2 7/8", 6.5 lb. casing will be run to T.D. and cemented with approx. 600 cu. ft. of pozmix cement back to the surface casing. The Pictured Cliffs Ss. will be selectively perforated, acidized and sand/water fractured with appropriate volumes and the well produced through 1 1/2" tubing. Drilling time-3 days. Estim. fm. tops: O.A.-1620, Kirtland-1755, Fruit.-2015, P.C.-2150, Lewis-2195'.

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

William R. Geer

TITLE

Agent

DATE

Dec. 22, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

APR 20 1984

OIL CON. DIV.

DIST. 3

NMOCC

APPROVED
AS AMENDED

DATE

APR 19 1984

AREA MANAGER
FARMINGTON RESOURCE AREA

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

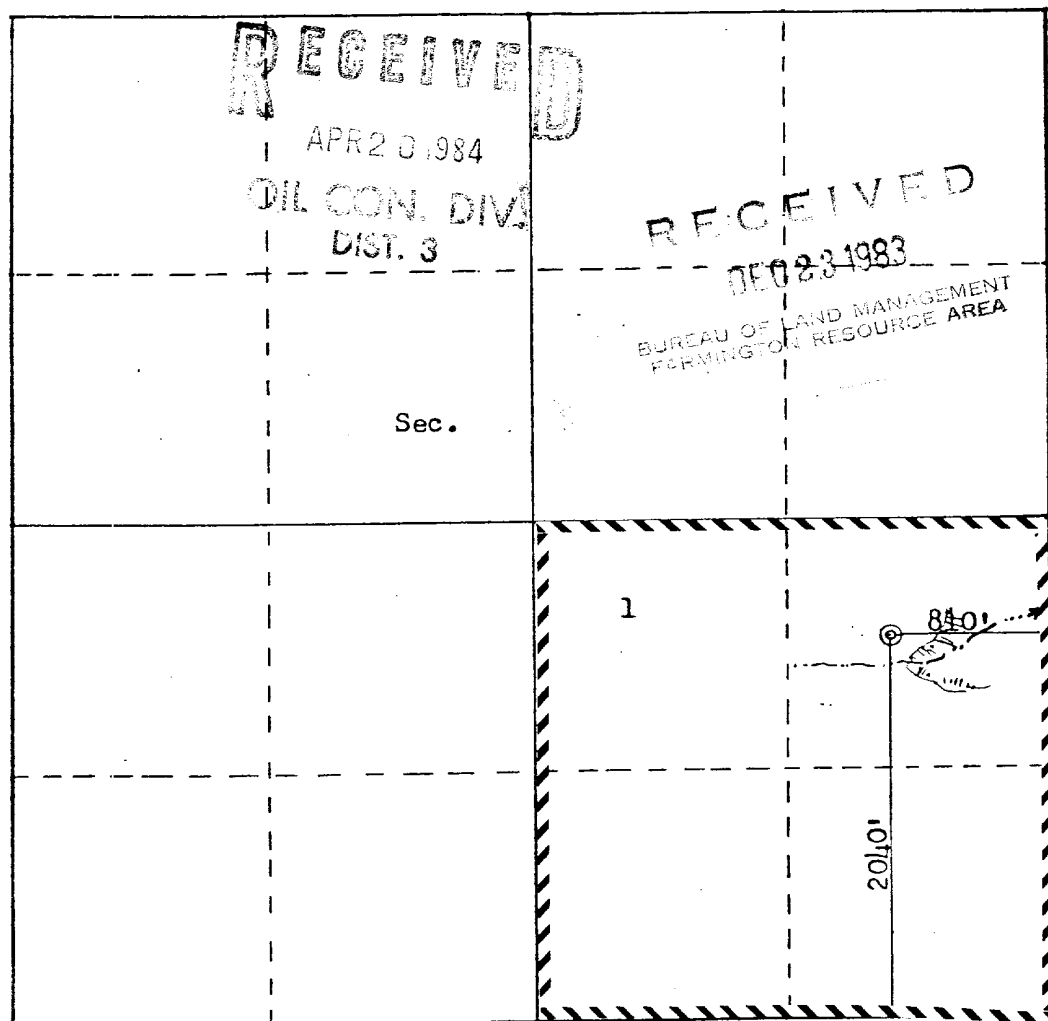
Operator BOLACK MINERALS COMPANY		Lease BOLACK "E"		Well No. 4-R
Unit Letter I	Section 1	Township 23N	Range 6W	County Rio Arriba
Actual Footage Location of Well: 2040 feet from the South line and 810 feet from the East line				
Ground Level Elev. 6747	Producing Formation Pictured Cliffs	Pool <i>Bolack</i>	Dedicated Acreage: 1.60 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure 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 _____

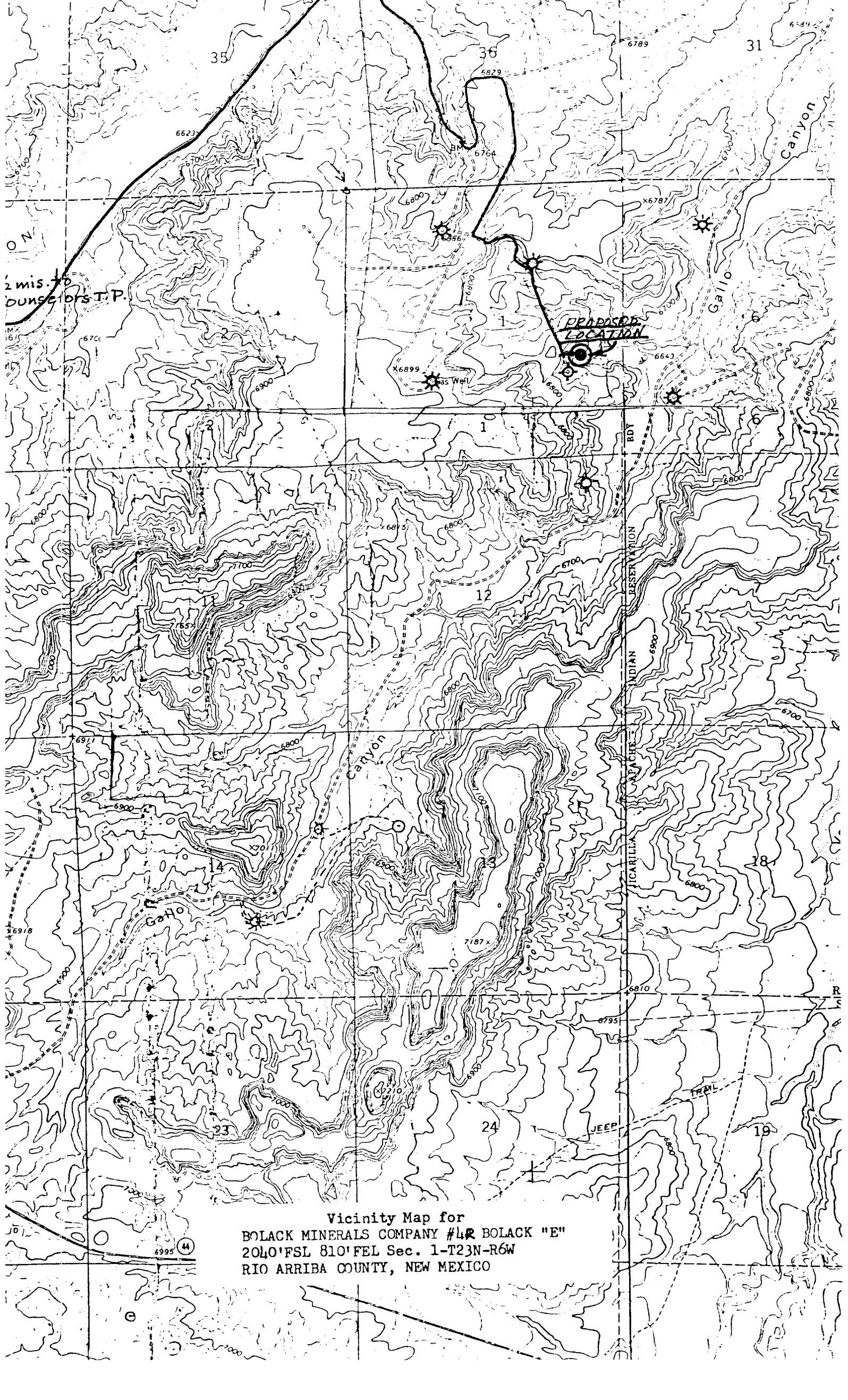
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

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.



Scale: 1"=1000'

CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Name <i>William R. Speer</i>	Position Agent
Company Bolack Minerals Co.	
Date December 19, 1983	
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 December 14, 1983	Registered Professional Engineer and Land Surveyor <i>Fred B. Kerr Jr.</i>
Certificate No. 3950	



2 mis. to
DUNSMITH T.P.

PROPOSED
LOCATION

Vicinity Map for
BOLACK MINERALS COMPANY #4R BOLACK "E"
2040' FSL 810' FEL Sec. 1-T23N-R6W
RIO ARriba COUNTY, NEW MEXICO

0 1
6995 (4)

MULTI-POINT SURFACE USE AND OPERATING PLAN

FOR PROPOSED BOLACK MINERALS CO. #4-R BOLACK "E" PICT. CLIFFS TEST WELL located 2040' fS1, 810' fE1, Sec. 1, T23N-R6W, NMPM, Rio Arriba Co., N.M.

1. The attached topographic map (scale 1:24,000) indicates the proposed location of the well, the location of existing roads into the area and the location and current status of existing oil and gas wells in the immediate vicinity of the proposed location.
2. The proposed location is accessible by utilizing state highway 44 southeast of Bloomfield, N.M. to Counselor's Trading Post, turning north on county road 403 and going 5 miles, turning right (east) into canyon. Go 3/4 mi. up onto mesa and turn left, go 1/4 mi., turn right, go 1/2 mi. to junction; turn left, go 1/4 mi. to just before EPNG #2 Bolack "E" well and turn right across wash onto old pipeline right-of-way, go 1/2 mi. to location. Approx. 200 ft. of new access road will be required.
3. All existing wells within one mile radius of the proposed location are shown on the attached map.
4. No tank batteries, production facilities or pipelines within one mi. of the proposed location are owned by the operator. It is contemplated that a separator and drain pits will be required and placed on the constructed drilling pad within 150 to 200 ft. of the wellhead.
5. Water for the drilling and completion of the proposed well will be purchased from private owners with existing ground tanks in Largo Wash and hauled to the location by tank trucks.
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. Burnable material will be burned and the remainder will be buried under a minimum of 2 ft. of sand cover upon completion of the drilling. Drilling wastes (cuttings, mud, chemicals, etc.) will be contained in the unlined, fenced reserve pit and upon completion of the well will be allowed to dry thoroughly, then buried beneath a minimal 2 ft. alluvium cover, tamped and leveled to conform to either the pre-existing terrain or the level surface of the production pad. 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 scaled plat. Profile shows scaled cut and fill to be made in location construction.
10. Cleanup of the well location will commence following removal of the drilling and completion equipment. The reserve pit will be fenced

entirely 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 continuously maintained free of trash, debris and weeds. Any required production waste pits will be fenced.

11. The surface which will be disturbed in construction of the location and access roads is essentially barren, sandy alluvium with relatively sparse vegetation. No appreciable native grass is present. No areas of archaeological evidence were encountered during a surface examination of the immediate area while surveying and staking were being conducted. The surface ownership of the proposed location and access road is Federal.

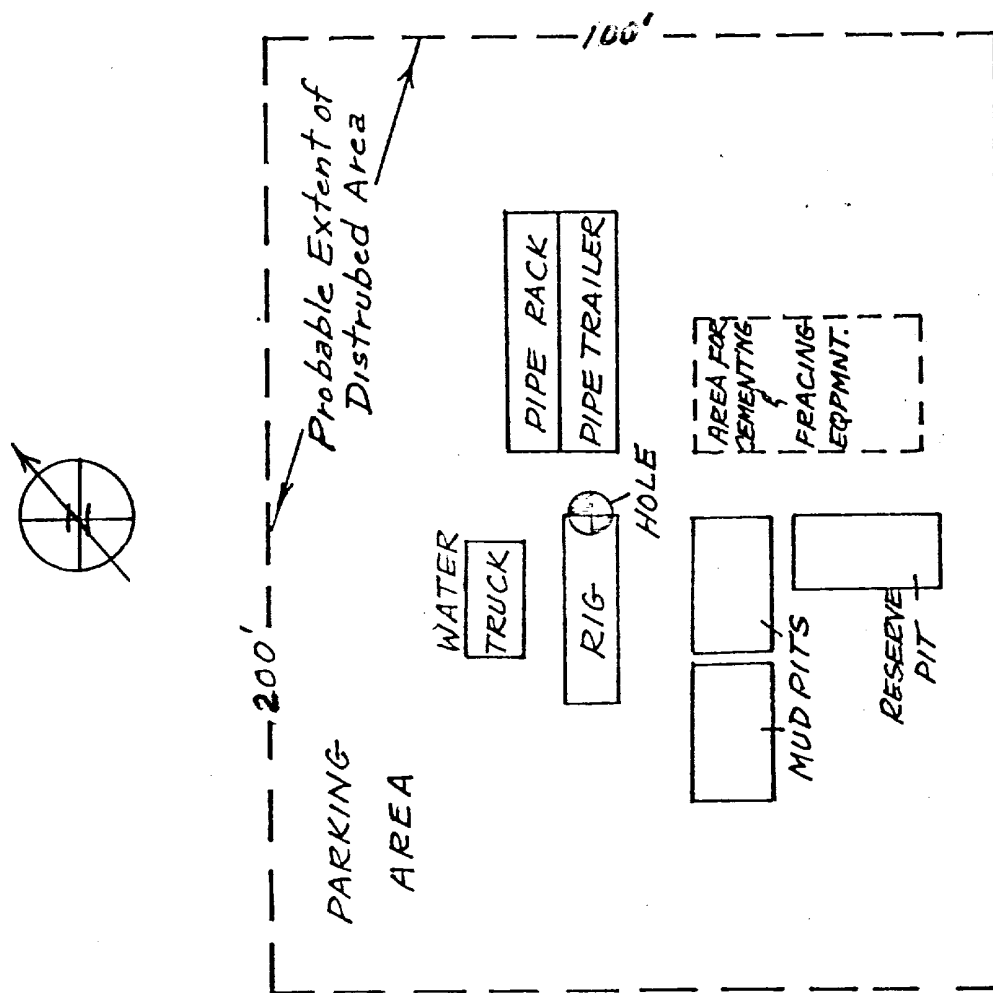
12. The lessee and Operator's representative and agent for the proposed well is William R. Speer, P.O. Box 255, Farmington, N.M. 87401. His office telephone is 505-325-7789 and his residence telephone is 505-325-2520.

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 Bolack Minerals Co. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Dec. 22, 1983
Date

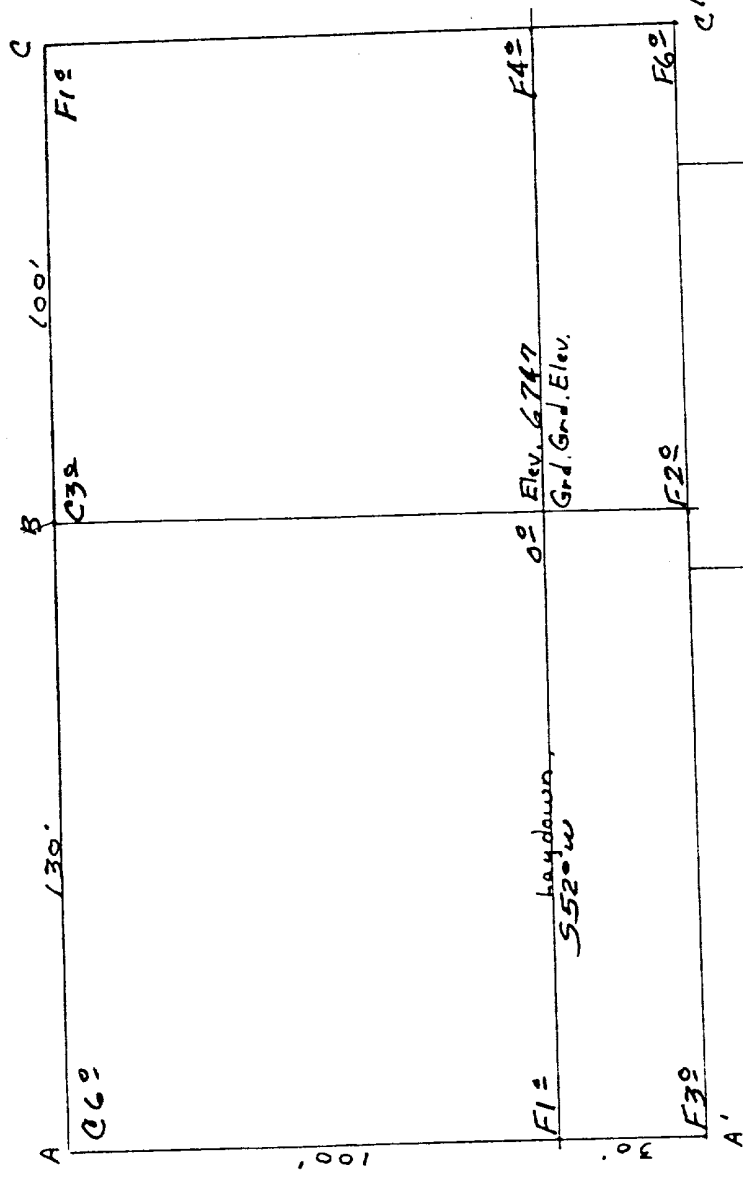
William R. Speer
William R. Speer,
Consulting Geologist



PICTURED CLIFFS WELL DRILL-SITE LAYOUT PLAT
showing location, size and placement of various units

SCALE: 1 INCH = 20 FEET
FOR BOLACK MINERALS CO. #4-R BOLACK "E" P.C. TEST
NE/4 SE/4 SEC. 1, T23N-R6W, NMPM, RIO ARRIBA CO., N.M.

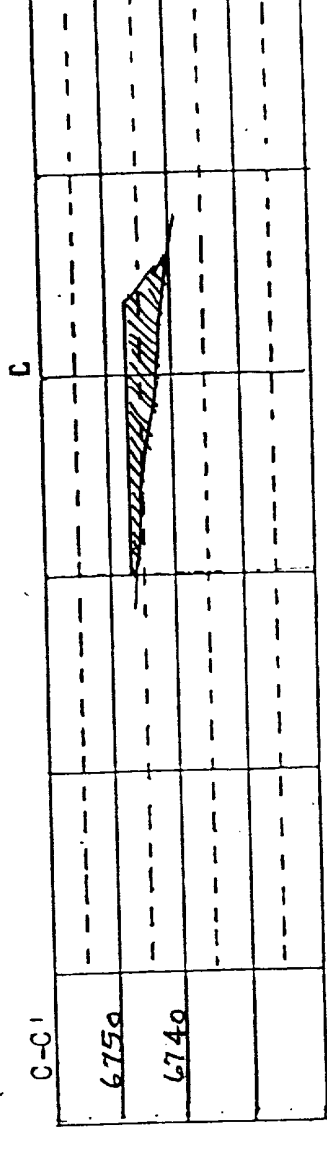
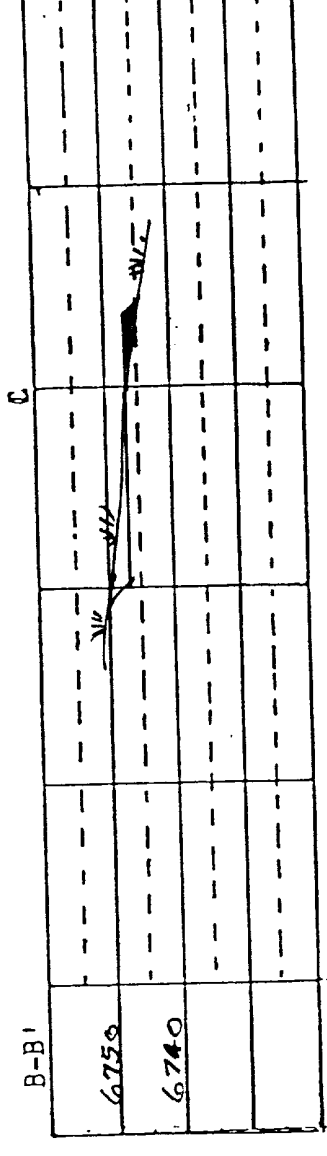
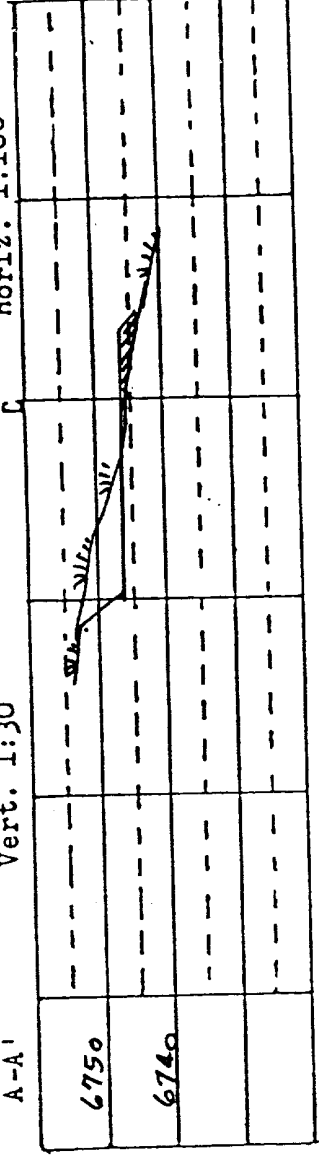
BOLACK MINERALS COMPANY #4R BOLACK "E"
 2040' FSL 810' FEL Sec. 1-T23N-R6W
 RIO ARRIIBA COUNTY, NEW MEXICO



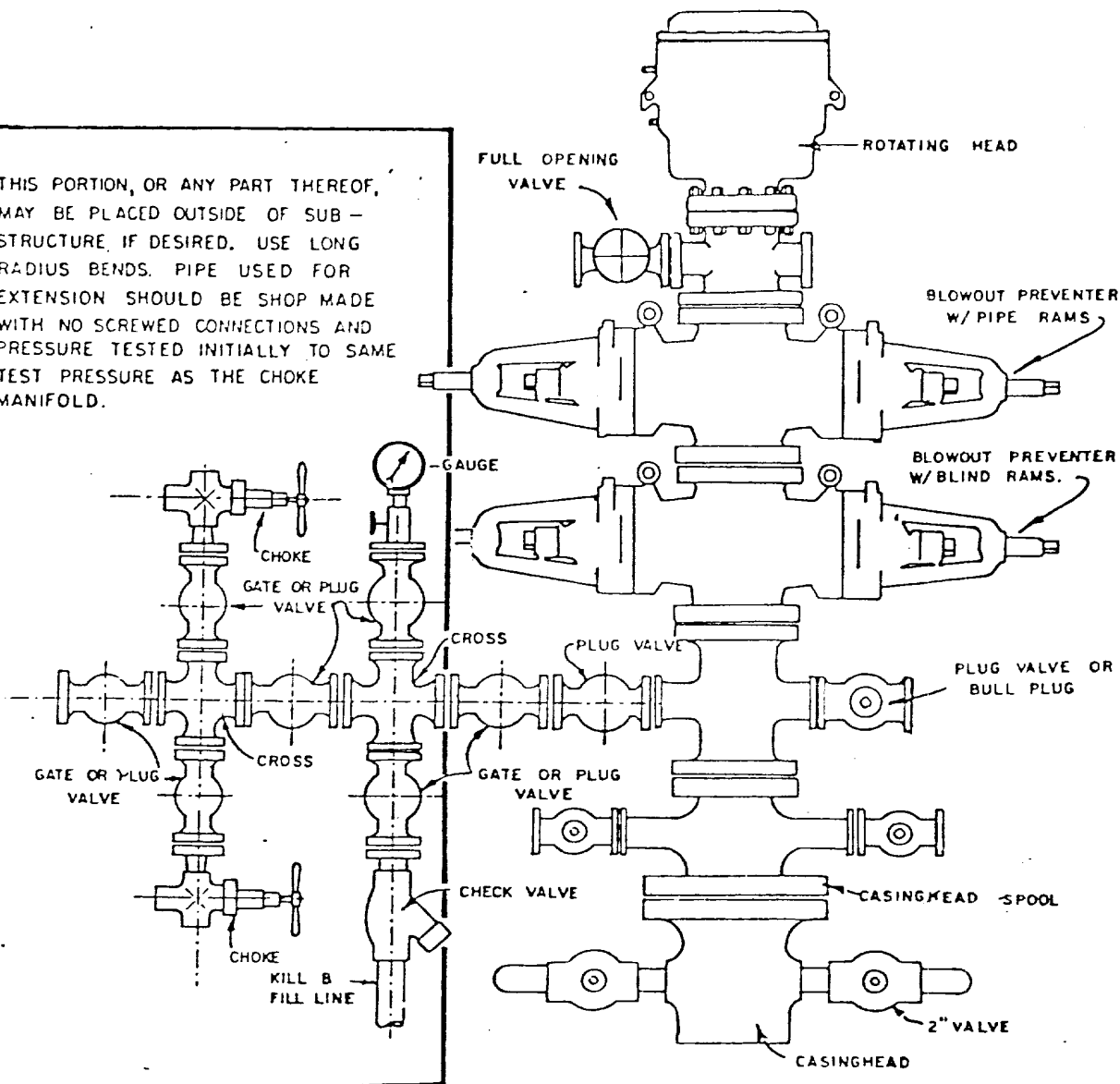
Scale: 1" = 40'

Vert. 1:30

Horiz. 1:100



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