

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-043 # 23323

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
Moo-C-1420-1716

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Mountain Ute

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Ute 1819

9. WELL NO.
42

10. FIELD AND POOL, OR WILDCAT
Verde Gallup

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 18-T31N-R14W

12. COUNTY OR PARISH 13. STATE
San Juan NM

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
ENERGETICS, INC.

3. ADDRESS OF OPERATOR
333 W. Hampden Avenue, Suite 1010, Englewood, Colo. 80110

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

H 1650' FNL & 560' FEL
At proposed prod. zone
Same

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

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

16. NO. OF ACRES IN LEASE
1280

17. NO. OF ACRES ASSIGNED
TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
2700

20. ROTARY OR CABLE TOOLS
Rotary & Cable Tools

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5744' g.l.

22. APPROX. DATE WORK WILL START*
January 27, 1979

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	20	100	100 sk
7 7/8	5 1/2	14	2500	330 sk
4 3/4	Open Hole		2500-2700	

(See Attachments)

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DEC 18 1978
OIL CON. COM.
DIST. 3

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 John Alexander TITLE Agent DATE December 5, 1978
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ok Frank

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.

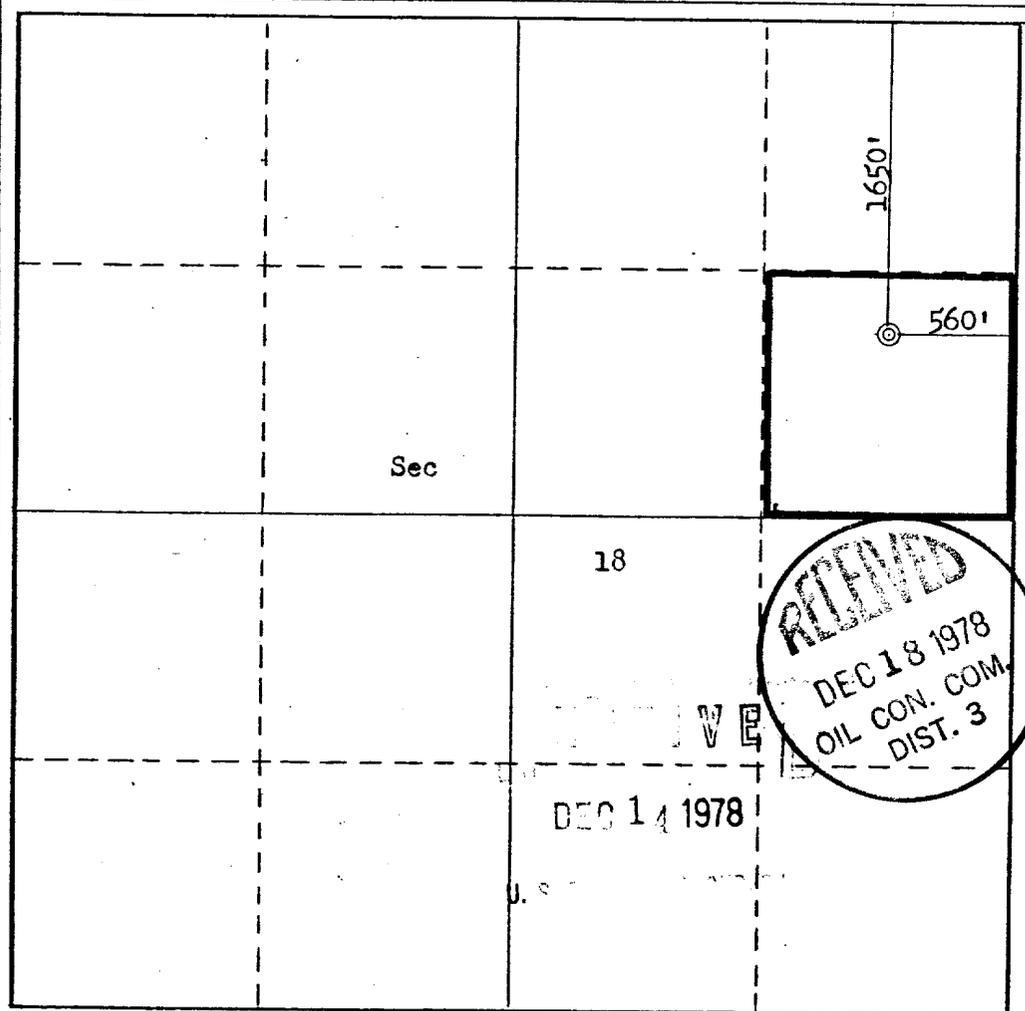
Operator ENERGETICS, INC.		Lease UTE 1819			Well No. 42
Unit Letter H	Section 18	Township 31N	Range 11W	County San Juan	
Actual Footage Location of Well: 1650 feet from the North line and 560 feet from the East line					
Ground Level Elev. 5744	Producing Formation Gallup		Pool Verde Gallup	Dedicated Acreage: 40 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.

John Clefander
Name

Agent

Position

Energetics, Inc.

Company

December 5, 1978

Date

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.

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Date Surveyed

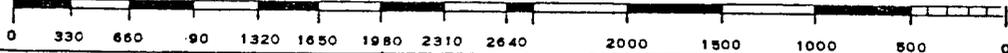
November 20, 1978

Registered Professional Engineer
and/or Land Surveyor

2 3950

Frank B. Kerr, Jr.
Certificate No. KERR, JR.

3950



ENERGETICS, INCORPORATED

FORMATION INFORMATION AND DRILLING PRACTICES

WELL:
Ute 1819 #42

LOCATION:
1650' FNL & 560' FEL
Sec 18-T31N-R14W
San Juan County, NM

LEASE NO.:
Noo-C-1420-1716



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1. SURFACE FORMATION

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2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Point Lookout	793
Mancos	1177
Gallup	2539

3. HYDRO CARBON, WATER OR MINERAL BEARING FORMATION

2500' Oil

4. PROPOSED CASING PROGRAM

0-100' 8 5/8, 32#, New casing. Cement with 100 sk Class B + 2% CaCl₂.

0-2500' 5½, 15.5#, new casing. Cement with 230 sk. Halliburton Light
with 6¼ lb. Gilsonite/sk. followed by 100 sk. Class B + 2%
CaCl₂ with 6¼ lb. Gilsonite/sk.

2500-2700' Open hole (drill with Cable tool)

5. SPECIFICATIONS FOR PRESSURE CONTROL EQUIPMENT

The attached schematic shows the type of blow out preventer to be used while drilling. The unit will be tested to 200 psi as soon as possible after its installation on the surface pipe. Testing will be done with the rig pump. This is a manual type preventer, and its operation will be manually checked when practical.

6. DRILLING FLUIDS

Depth	Type	Viscosity	Weight	Fluid Loss
0-100	Gel-Lime	35-55	8.9-9.2	N/C
100-2500	Gel-Chem	30-40	8.6-9.5	10
2500-2700	Water			

7. AUXILIARY EQUIPMENT

- A. Bit float
- B. Full opening valve for stabbing in drill pipe when the kelly is not in use

8. LOGGING - CORING - DRILL STEM TESTING

Logging: Induction Electric Log

Coring: None

Drill Stem Testing: None

APPROVED
DEC 14 1978

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9. ABNORMAL TEMPERATURES, PRESSURES, OR HAZARDOUS CONDITIONS

None expected

10. STARTING DATE

Anticipated starting date is January 27, 1979. Approximately 15 days will be needed to build roads and location and drill the well to total depth. If commercial, completion will commence immediately and require approximately 7 days to complete.

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SURFACE DEVELOPMENT PLAN

WELL:
Ute 1819 #42

LOCATION:
1650' FNL & 560' FEL
Sec. 18-T31N-R14W
San Juan County, NM

LEASE NO.:
Noo-C-1420-1716

U. S. BUREAU OF LAND MANAGEMENT
WELL
DEC 14 1978
U. S. BUREAU OF LAND MANAGEMENT

1. EXISTING ROADS (Shown in green)

The attached topographic map shows all existing roads within one mile of the proposed location. Access will be made to an existing road 100' east of the location.

Some existing roads are in poor condition and will have to be upgraded to handle normal drilling activity traffic.

2. PLANNED ACCESS ROAD (Shown in red)

The planned access road will be approximately 100' long and 20' wide. Maximum grade will be 5%. No turnouts or culverts will be required. Water bars will be used to aid drainage and prevent erosion. No surfacing material will be required. No gates, cattle guards, or fences will be crossed. No cuts or fills should be required.

3. LOCATION OF EXISTING WELLS

All Wells (water, abandoned, disposal, and drilling) are shown and so labeled on the attached section layout.

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

All production facilities are to be contained within the proposed location. Energetics does not own or control any such facilities in the area.

5. LOCATION AND TYPE OF WATER SUPPLY

Water for drilling will be trucked from the San Juan River located 15 miles southeast of location. This water is not on federal land.

6. SOURCE OF CONSTRUCTION MATERIAL

Any construction material required for road or location will be excess material accumulated during building of such sites.

7. METHODS OF HANDLING WASTE DISPOSAL

(Refer to attached well site layout)

All burnable material will be burned in the trash pit when conditions permit. All nonburnable material (drilling fluids, cuttings, chemicals, etc) will be held in the reserve pit and buried when dry. Any oil produced while drilling will be trucked from the location prior to leaving the pit to dry. Pits will be fenced during dryout time, the completely backfilled with dirt prior to preparing the location for production or abandonment.

8. ANCILLARY FACILITIES

No ancillary facilities are planned.

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9. WELL SITE LAY OUT

The attached lay out shows the drilling rig with all facilities. Cut and fill required is also indicated.

10. PLANS FOR RESTORATION OF SURFACE

Restoration of well site and access road will begin within 90 days of well completion, weather permitting.

Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed and leveled. Both site and road will have top soil replaced and will be reseeded when germination can occur.

Should the well be commercial, that portion of the location, not needed for operation, will be repaired as above. The portion needed for daily production operations, and the access road, will be maintained in good repair.

In either case, clean up of the site will include burning any safely burnable material, filling of all pits, carrying away of all nonburnable material and chemicals that can not be buried. Any oil that has accumulated on the pits will be trucked away.

11. OTHER INFORMATION

General topography of the area may be seen on the attached map.

The drilling site is flat and is covered with sage brush and other native grasses. There are no creeks, rivers or ponds in the area. The soil is sandy loam. Small animals and sheep inhabit the area.

The surface is administered by the Bureau of Indian Affairs, and belongs to the Ute Mountain Tribe.

There are no occupied dwellings in the area.

There are no archaeological or cultural sites visible on the location. The archaeologist report is forthcoming.

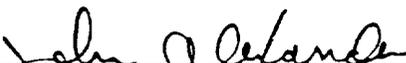
12. John Alexander
3E Company, Inc.
P.O. Box 190
Farmington, NM 87401
Phone: 505-327-4020

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U. S. DEPARTMENT OF THE INTERIOR

13. I hereby certify that I or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the 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 Energetics, Incorporated and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

December 5, 1979



John Alexander

WELL SITE LAYOUT
ENERGETICS, INC.
UTE 1819 # 42

Vertical scale 1" = 10'

SOIL MATERIAL STOCKPILE

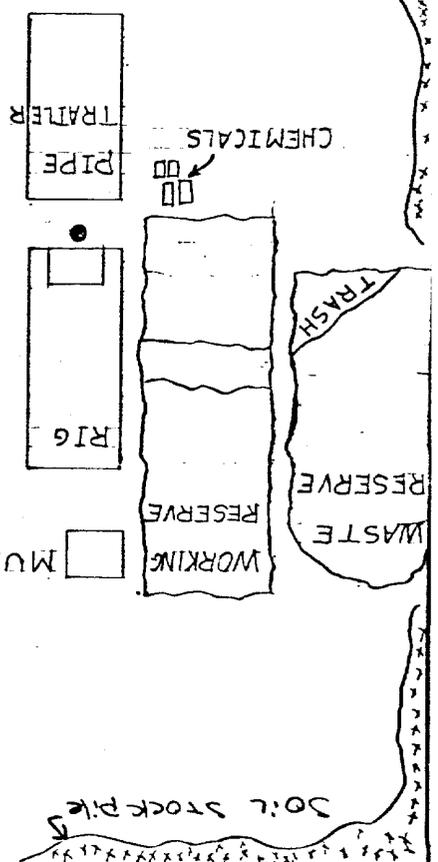
location grade

PLAN VIEW 1" = 30'
ALL PITS-EARTHEN

100'

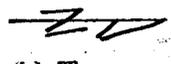
150'

location grade



Access Road

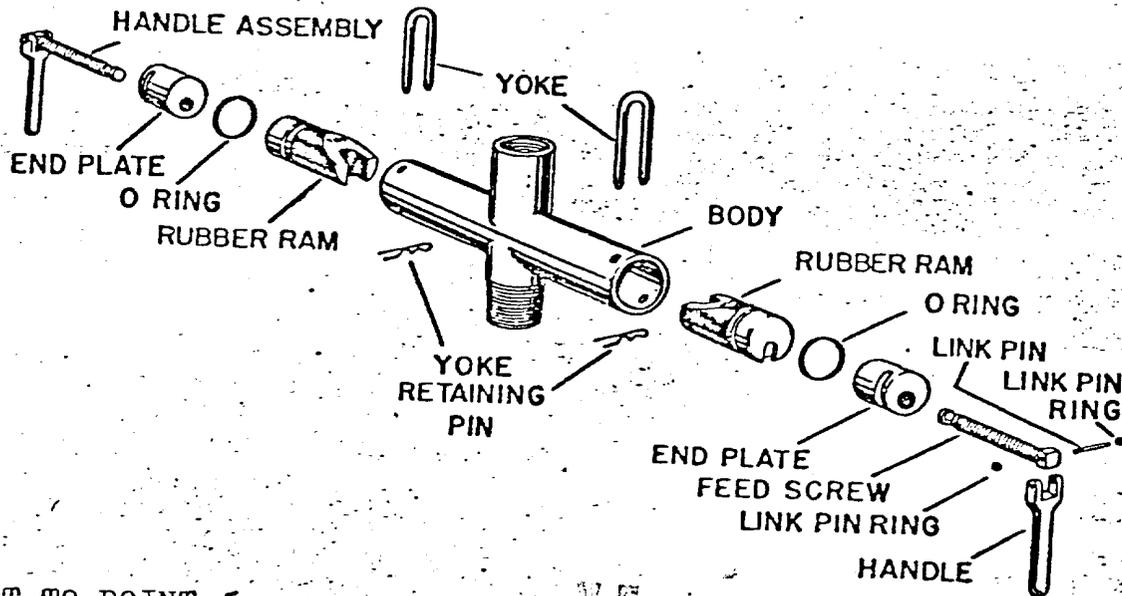
SOIL STOCKPILE



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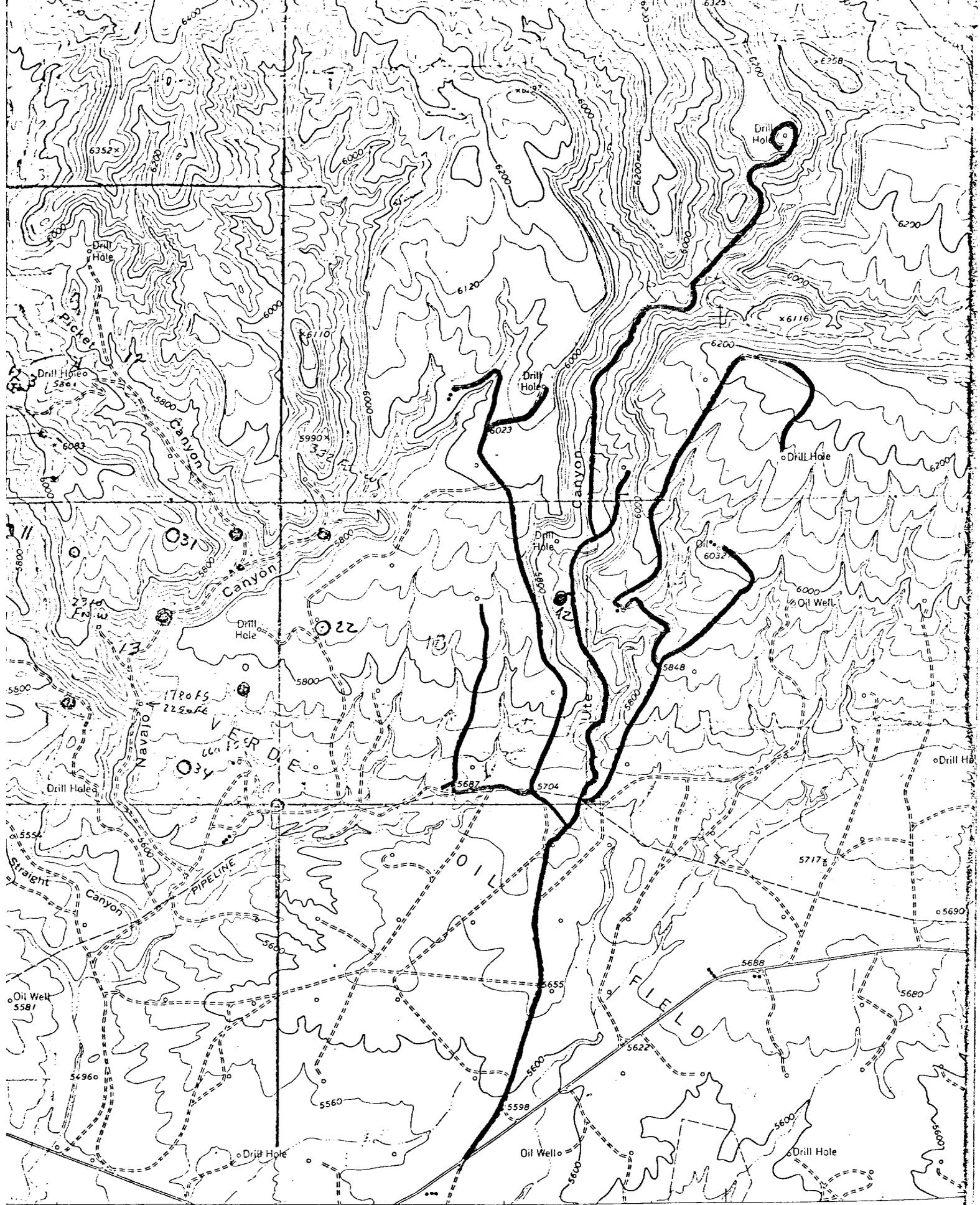
ENERGETICS, INC.

BLOWOUT PREVENTERS



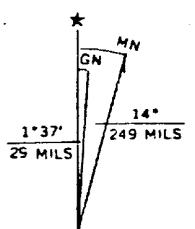
ATTACHMENT TO POINT 5
API SERIES 6" 600

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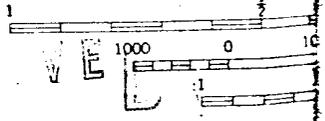


730° 13 MI. TO U.S. 550 736 1350 000 FEET (N. MEX.) 20' 738

Maped, edited, and published by the Geological Survey
 Control by USGS and USC&GS
 Topography by photogrammetric methods from aerial
 photographs taken 1958 and 1962 Field checked 1963
 Polyconic projection 1927 North American datum
 6,000 foot grids based on New Mexico coordinate system,
 west zone and Colorado coordinate system, south zone
 1,000 meter Universal Transverse Mercator grid ticks,
 one 12, shown in blue
 Where omitted, land lines have not been established
 The red dashed lines indicate selected fence lines



UTM GRID AND 1963 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



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THIS MAP CO
 FOR SALE BY U.S. GEOLOGICAL
 A FOLDER DESCRIBING

Vicinity Map for
 ENERGETICS, INCORPORATED #42 UTE 18
 1650'FNL 560'FEL Sec 18-T31N-R11W
 SAN JUAN COUNTY, NEW MEXICO