

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
Dome Petroleum Corp.

3. ADDRESS OF OPERATOR
Suite 1500; Colorado State Bank Bldg; 1600 Broadway; Denver, Co. 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1450' FSL & 990' FEL
I At proposed prod. zone Same

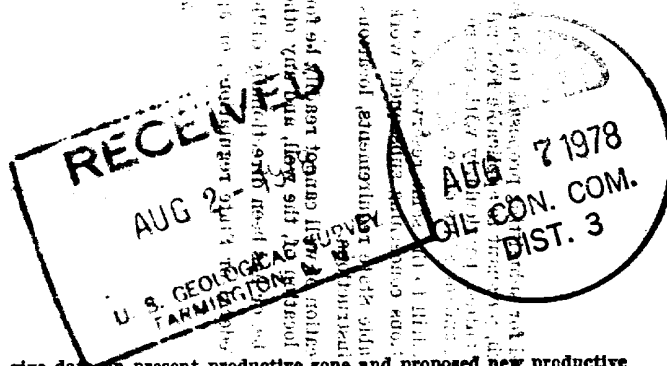
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Same

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 640
17. NO. OF ACRES ASSIGNED TO THIS WELL 160
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1500'
20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6049
22. APPROX. DATE WORK WILL START* August 5, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
7 7/8"	5 1/2"	14	40'	50 sk.
4 3/4"	2 7/8"	6.5	1500'	125 sk.

(See attachments)

Gas under this lease is dedicated to a contract.



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 7/25/78
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

eh Frank

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-12H
Effective 1-1-65

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

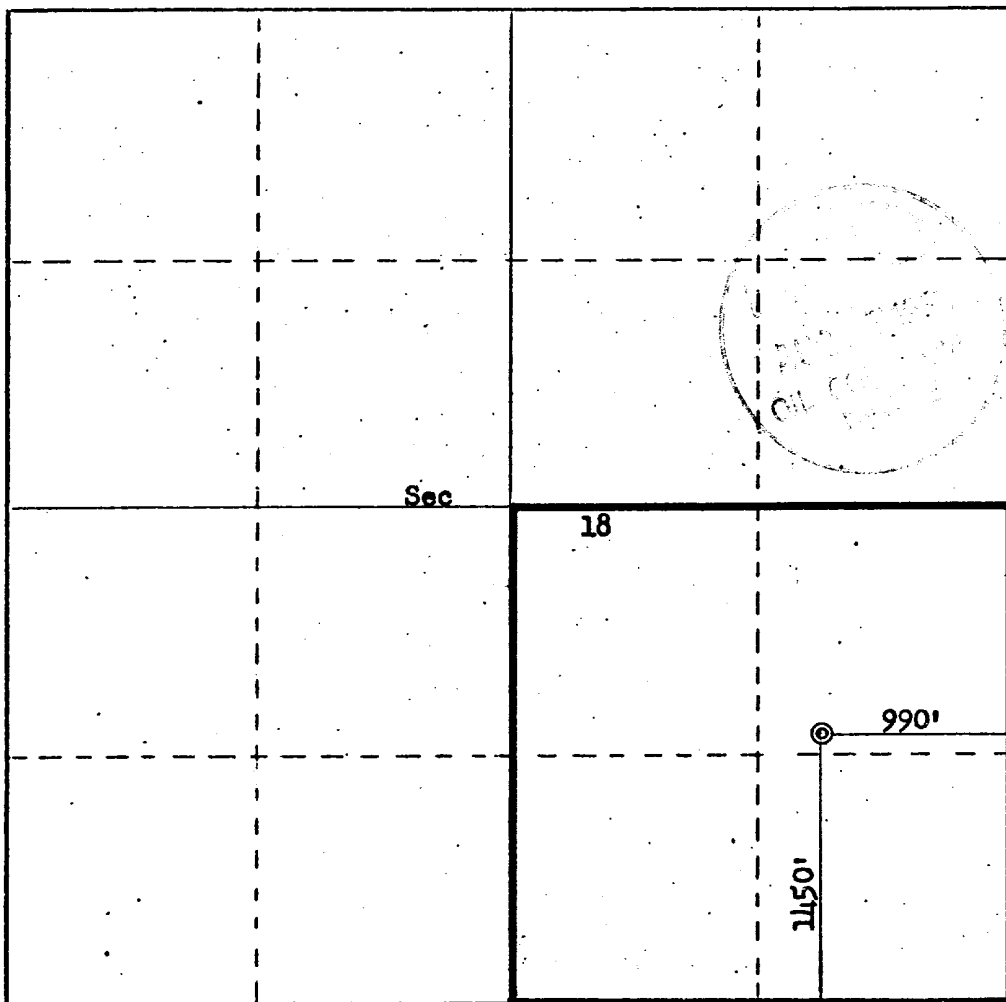
Operator DOMO PETROLEUM CORPORATION			Lease FEDERAL 18		Well No. 1
Unit Letter I	Section 18	Township 27N	Range 13W	County San Juan	
Actual Footage Location of Well: 1150 feet from the South line and 990 feet from the East line					
Ground Level Elev. 6049	Producing Formation Pictured Cliffs		Pool WAW Pictured Cliffs ext	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.

John Alexander
Name

John Alexander

Position

Agent

Company

Dome Petroleum Corp.

Date

7-24-78

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

REGISTERED LAND SURVEYOR
No. 3950

Prodr. B. Kerr J.

Certified by

3950

Dome Petroleum Corp.

Formation Information and Drilling Practices

WELL:

Federal 18 #1

LOCATION:

1450' FSL & 990' FEL

S.18-T27N-R13W

San Juan Co., NM

LEASE NUMBER:

NM 12020

1) Geologic name of surface formation:

Ojo Alamo

2) Estimated tops of important geologic markers:

Kirtland	104
Fruitland	909
Pictured Cliffs	1272

3) Estimated depths at which anticipated water, oil, gas or other mineral-bearing formations are expected:

909	Gas
1272	Gas

4) Proposed casing program:

Surface - 5½", 14.0 lb/ft., K-55, used casing, to be set at 40'. Cement to be 50 sk. Class "B" with 2% CaCl₂.

Production - 2 7/8", 6.4 lb/ft. J-55, used, to be set at 1500'. Cement to be 125 sk. Class "B".

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
0-1500'	gel-lime	35-55	8.9-9.2	15 c.c.

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, Formation Compensated Density - Compensated Neutron Log, Gamma Ray, Caliper

Coring - None

Drill Stem Testing - None

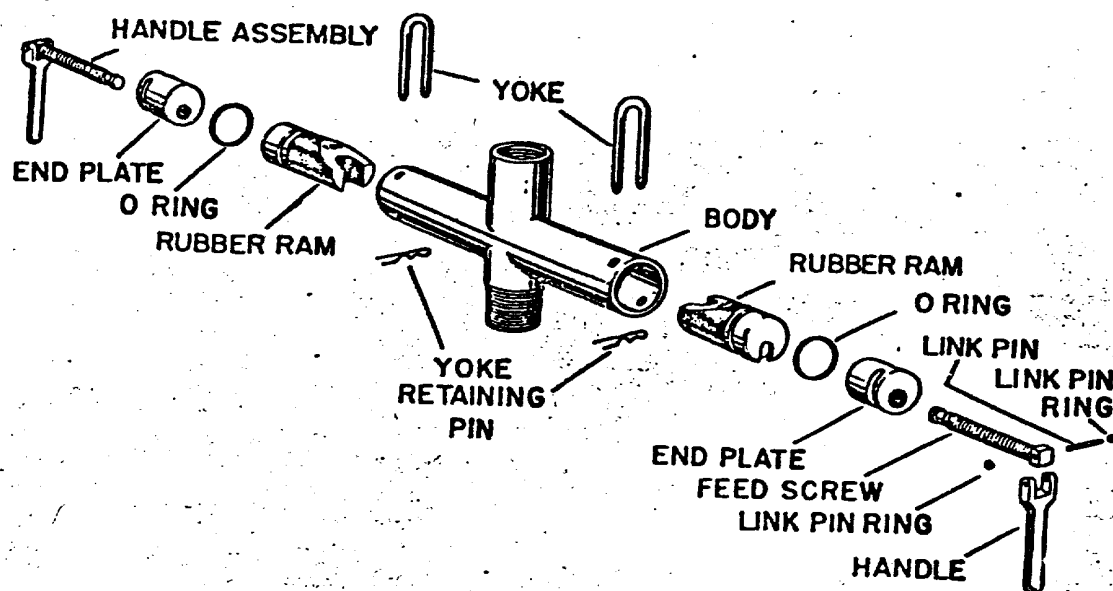
9) Abnormal temperatures, pressures, or hazardous conditions:

None expected.

10) Starting date:

Anticipated starting date is August 5, 1978, approximately 5 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 3 days to complete.

BLOWOUT PREVENTERS



ATTACHMENT TO POINT 5
API SERIES 6" 600

Dome Petroleum Corp.

Surface Use Development Plan

WELL:

Federal 18 #1

LOCATION:

1450' FSL & 990' FEL

S.18-T27N-R13W

San Juan Co., NM

LEASE NUMBER:

NM 12020

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 a county road 1 mile south of the location.

All existing roads are in good condition and will not have to be upgraded to handle normal drilling activity traffic.

2) Planned access road: (Shown in red.)

The planned access road will be approximately 1 mile long and 20' wide. Maximum grade will be about 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 topographic map.

4) Location of tank batteries, production facilities and production, gathering and service lines:

All production facilities are to be contained within the proposed location. All other facilities owned or controlled by Dome Petroleum Corp. are shown on the attached topographic map.

5) Location and type of water supply:

Water for drilling will be trucked from El Paso Natural Gas Chaco Plant, located 10 miles southeast of location. This water is privately owned.

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 non-burnable 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 for production or abandonment.

8) Ancillary facilities:

No ancillary facilities are planned.

9) Well site layout:

The attached layout 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 non-burnable 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 part of the Navajo Irrigation Project, administered by The Bureau of Indian Affairs.

There are no occupied dwellings in the area.

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

Pgae 3

12)

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

- 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 Dome Petroleum Corp. and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

7-25-78

John Alexander
John Alexander

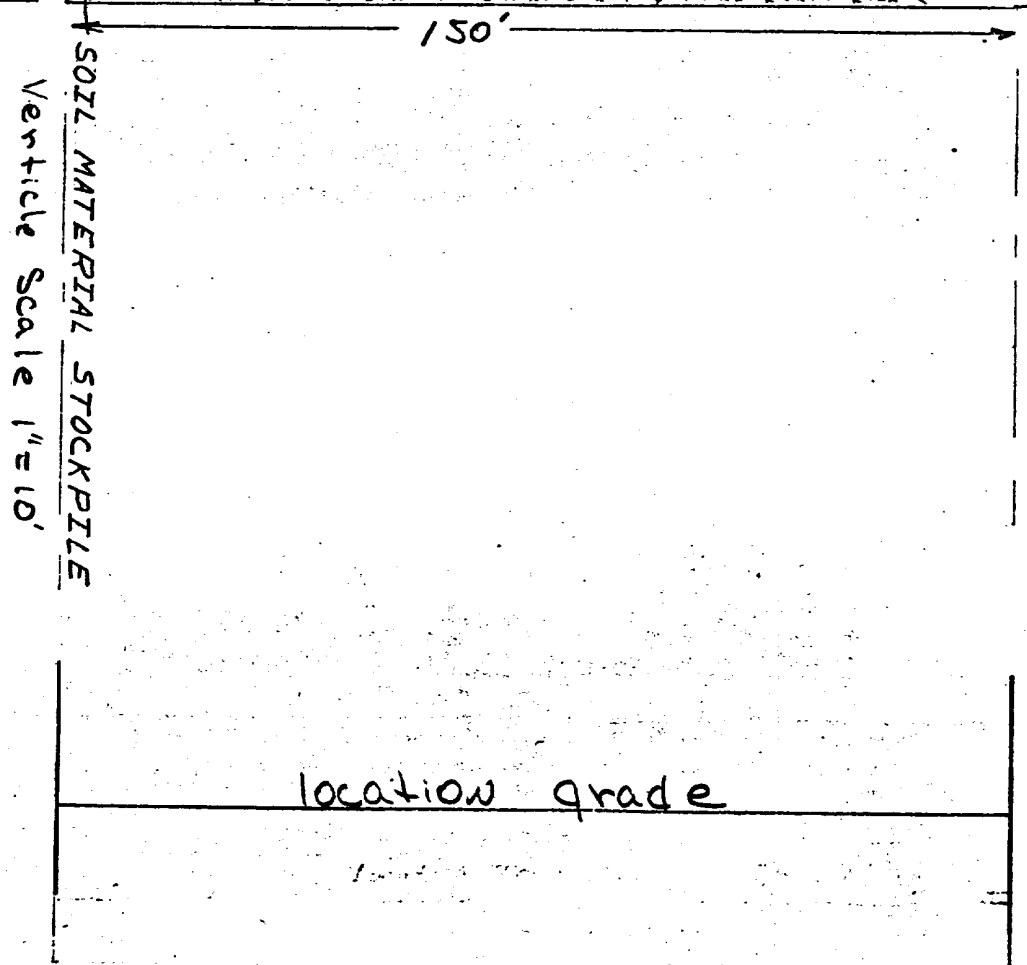
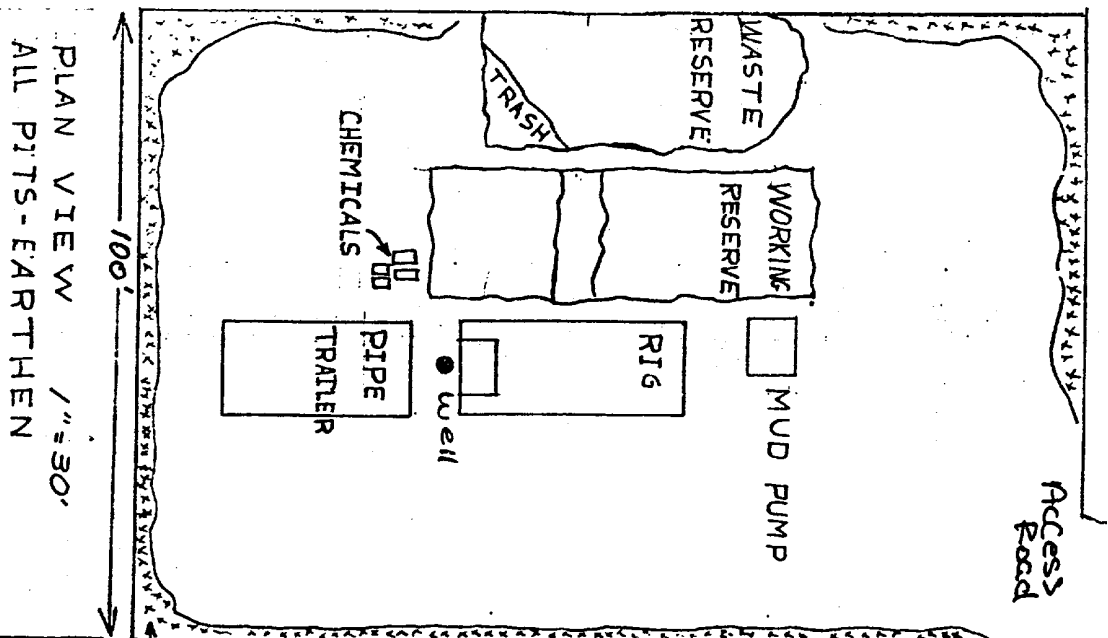
Should further information be desired, please advise.

Yours very truly,

John Alexander
John Alexander

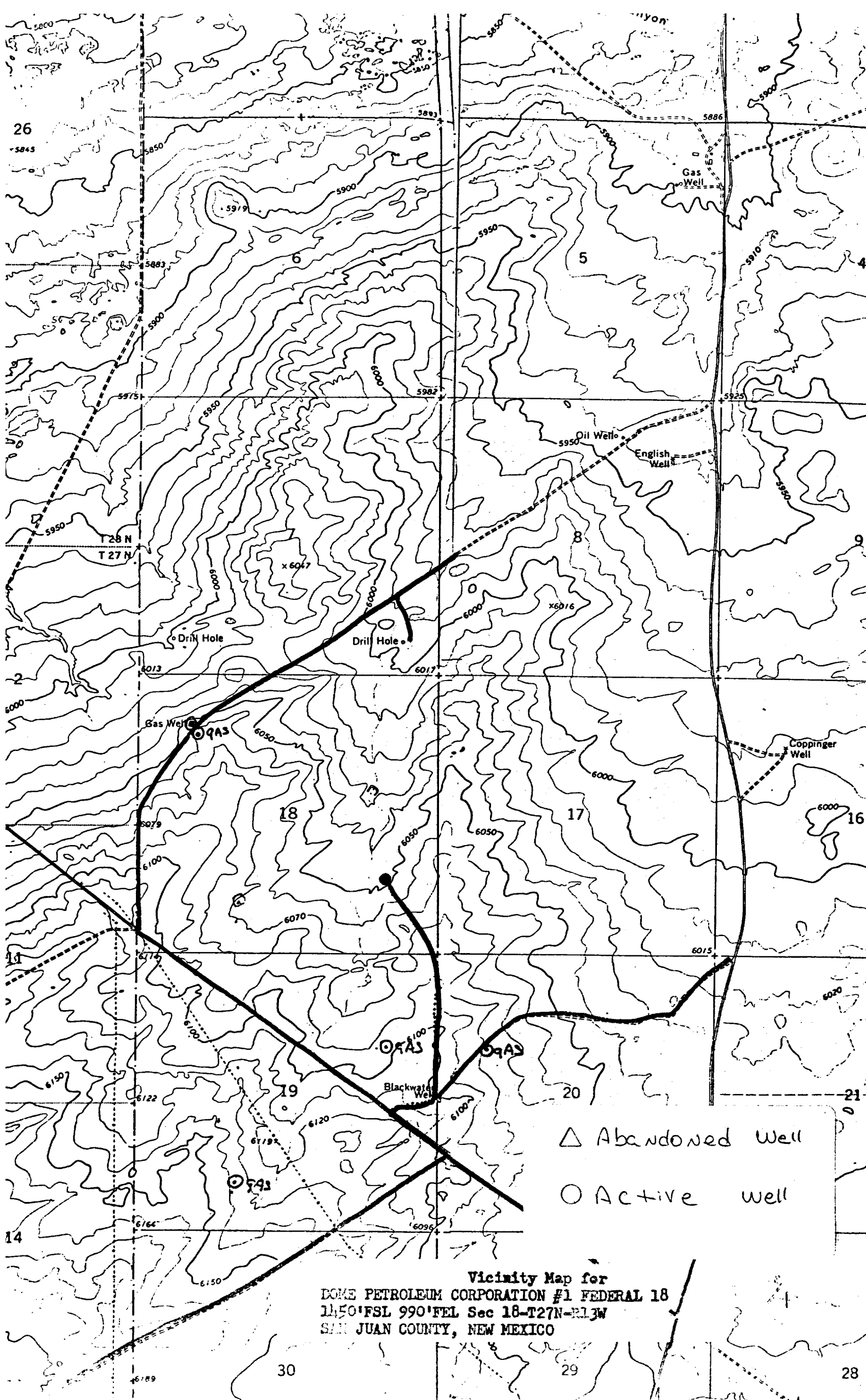
JA:dew

Attachments



WELL SITE LAYOUT
 Dome Petroleum Corp.
 Federal 18#1

location grade



Vicinity Map for
DOME PETROLEUM CORPORATION #1 FEDERAL 18
1450'FSL 990'FEL Sec 18-T27N-R13W
SAN JUAN COUNTY, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas well ☒ other
2. NAME OF OPERATOR
Dome Petroleum Corporation
3. ADDRESS OF OPERATOR
Suite 107, Farmington, N.M. 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1450' FSL & 990' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

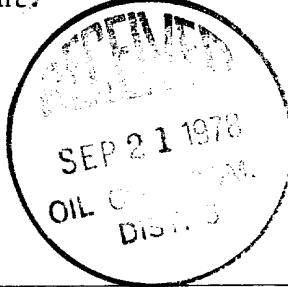
(other) Spud & set surface

5. LEASE N.M. 8409	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Federal 18	
9. WELL NO. 1	
10. FIELD OR WILDCAT NAME WAW Pictured Cliffs	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 18, T27N, R13W	
12. COUNTY OR PARISH San Juan	13. STATE New Mexico
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 6049 G.R.	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9/7/78 - Spudded 9 7/8" surface hole at 8:30 P.M. 9/7/78.
Drilled to 35'. Ran 1 joint (33.5'), 7", 20#, K55,
ST&C casing set at 37-5' KB. Cemented with 30 ex Class
"B" with 3% CaCl₂. Plug down at 11:15 P.M. 9/7/78.
Circulated cement.



RECEIVED

SEP 21 1978

U. S. GEOLOGICAL SURVEY

Subsurface Safety Valve: Manu. and Type _____

Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE _____ DATE _____

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

NMOC

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well <input type="checkbox"/> gas well <input checked="" type="checkbox"/> other
2. NAME OF OPERATOR DOME PETROLEUM COPR.
3. ADDRESS OF OPERATOR 501 Airport Drive, Suite 107, Farmington, N.M. 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 1450' FSL, 990' FEL AT TOP PROD. INTERVAL: AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

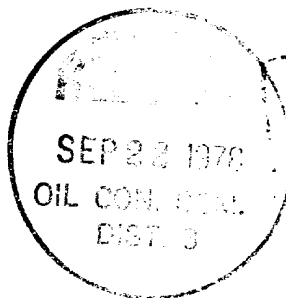
REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) PRODUCTION CASING	

5. LEASE N.M. 8409
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal 18
9. WELL NO. 1
10. FIELD OR WILDCAT NAME WAW PICTURED CLIFFS
11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA Sec. 18, T27N, R13W
12. COUNTY OR PARISH San Juan
13. STATE New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD) 6049 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9/10/78 - Ran 48 joints (1496'), 2 7/8", 6.5#, J55, EUE Casing. Casing set at 1500' KB. Cemented with 150 sx Class "B" Cement with 3% CaCl. Plug down at 12:00 P.M. 9/10/78. Circulated cement.



Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct

SIGNED J. Amodeo TITLE Operations Manager DATE 9/18/78

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

U. S. GEOLOGICAL SURVEY