

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

Grace Petroleum Corporation

3. ADDRESS OF OPERATOR

1515 Arapahoe St., 3 Park Central, Ste. 200, Denver, CO 80202

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

At surface

1190' FNL, 1685' FWL

At proposed prod. zone

RECEIVED

APR 21 1980

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

50 miles SE of Bloomfield

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

1190' FNL, 1685' FWL

18. DISTANCE FROM PROPOSED LOCATION*

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

19. PROPOSED DEPTH

5500'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

326/80

20. ROTARY OR CABLE TOOLS

Rotary

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

6778' Ungraded Ground

22. APPROX. DATE WORK WILL START*

July, 1980

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"	24#	300'	Cement to Surface
7-7/8"	4-1/2"	10.5#	TD	300 sx, Class "C"

It is proposed to drill and test the Gallup Formation at the above location.
Total Depth will be approximately 5500'.

A 4 1/2" production string will be run and cemented, or the well plugged and
abandoned, as per regulation, whichever test indicates.

See attached for pertinent data.

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

TITLE

Southern District

Operations Manager

DATE

4-18-80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

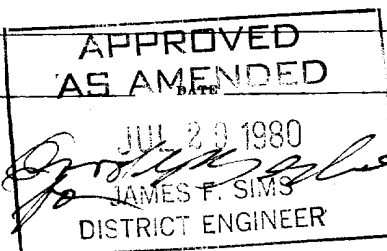
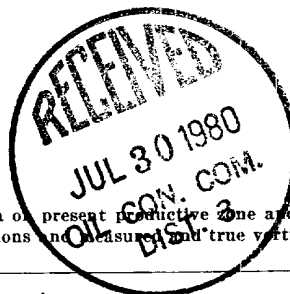
CONDITIONS OF APPROVAL, IF ANY

TITLE

SUBJECT TO ANY AND ALL
"GENERAL REQUIREMENTS"

NMOCC

*See Instructions On Reverse Side



ok 3/22
4-18-80 104 RNS2

N. MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT MAY 8 1978

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

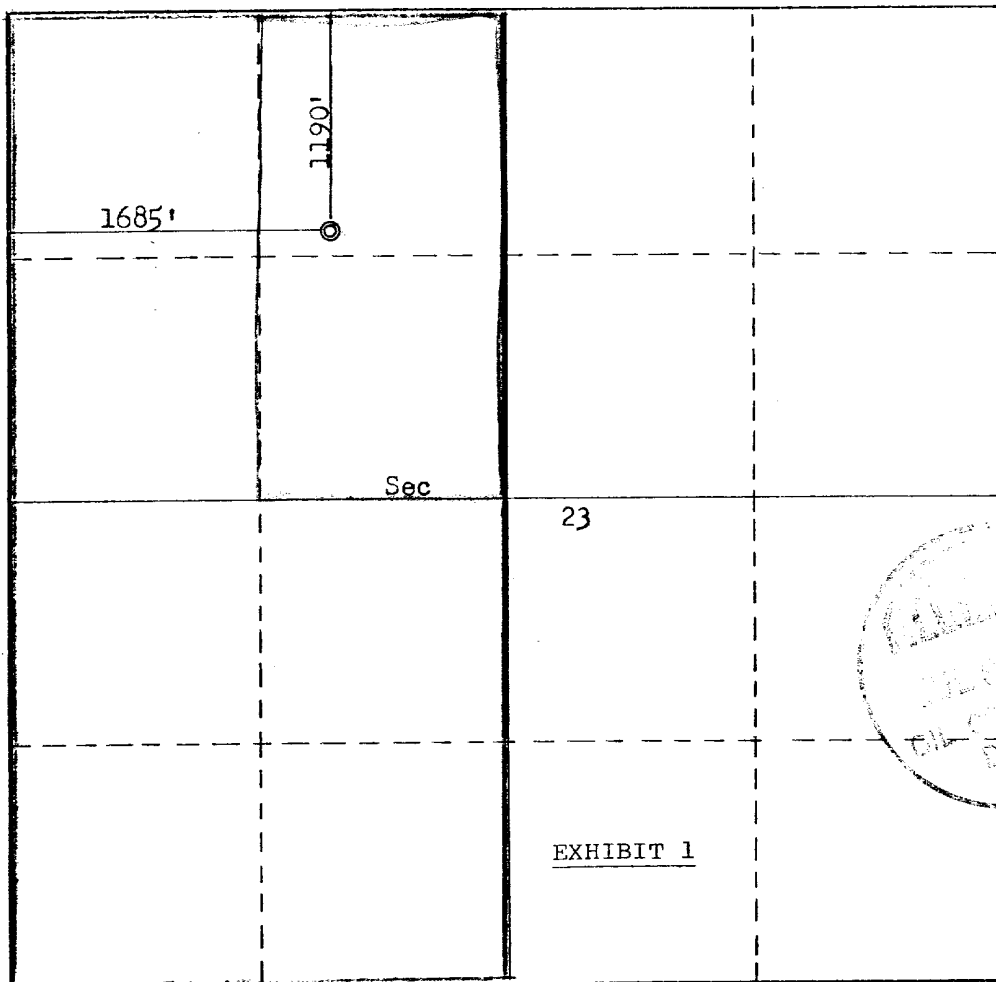
All distances must be from the outer boundaries of the Section.

Operator Grace Petroleum Corporation		Lease Grace Federal 23		Well No. 1
Unit Letter C	Section 23	Township 24N	Range 7W	County Rio Arriba
Actual Footage Location of Well:				
1190 feet from the North line and		1685 feet from the West line		
Ground Level Elev. 6778	Producing Formation Gallup	Pool Devil's Fork	Dedicated Acreage: 80.220 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). Single lease
 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? N/A
- ☐ 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.) N/A

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

Scotty A. Smith

Position Southern District
Operations Manager

Company

Grace Petroleum Corporation

Date

March 26, 1980

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

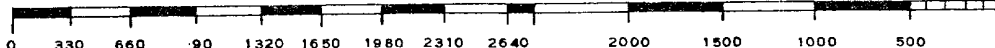
May 1, 1978

Registered Professional Engineer
and/or Land Surveyor

Fred E. Kerr Jr.

Certificate No. KERR, JR.

3950



SURFACE USE PLAN

OPERATOR: Grace Petroleum CorporationLEASE & WELL NAME: Grace-Federal 23-1LOCATION: NENW Sec. 23, T24N-R7W (1190' FNL, 1685' FWL)COUNTY & STATE: Rio Arriba, New Mexico

TO: The United States Geological Survey (USGS) and the Bureau of Land Management (BLM).

The following information, maps, plats, and descriptions of various surface characteristics should fulfill the requirements of the various agencies as to the environmental commitment of the operator at the above named well site.

1. Geologic Name of the Surface Formation

San Jose

2. Estimated Tops of Important Geologic Markers

Ojo Alamo	1378'
Kirtland	1470'
Fruitland	1858'
Picture Cliffs	2053'
Lewis	2143'
Chacra	2858'
Mesa Verde	2940'
Cliff House	3683'
Point Lookout	4333'
Mancos	4518'
Gallup	5378'

3. Estimated Depths at which Anticipated Water, Oil, Gas, or Other Mineral-Bearing Formations are Expected to be Encountered

Possible oil and/or gas zones are Picture Cliffs (2053'), Point Lookout (4333') and Gallup (5378').

4. Proposed Casing Program (including the size, grade, and weight-per-foot of each string and whether new or used)

8-5/8" K-55, 24#/ft., new to approximately 300'.

4-1/2" K-55, 10.5#/ft., new to TD, approximately 5500'.

(continued)

4. Location of Existing and/or Proposed Facilities:

- A. Within 1-mile radius of location showing the following existing facilities owned or controlled by lessee/operator: (1) tank batteries, (2) production facilities, (3) oil gathering lines, (4) gas gathering lines, (5) injection lines, (6) disposal lines.

Exhibit 4 shows existing operator-owned facilities.

- B. New facilities in the event of production.

It is proposed to utilize facilities at LOVE 2-23 location, approximately $\frac{1}{2}$ mile South of proposed well site. New facilities will consist of approximately $\frac{1}{2}$ mile of surface line and will follow existing R.O.W.

- (1) Dimensions of facilities:

Actual production facilities will utilize a beam pumping unit and will require approximately 50' X 50'.

- (2) Construction methods and materials:

Any construction will utilize soil materials native to the site. Construction methods will be employed to assure no drainage flows are impounded.

- (3) Protective measures to protect livestock & wildlife:

Fences will be installed around equipment and pits to protect wildlife and livestock.

- C. Rehabilitation of Disturbed Areas Unnecessary for Production:

Areas unnecessary for use will be graded to blend with the surrounding topography. Topsoil will be replaced on these areas and seeded according to BLM requirements.

(continued)

5. Lessee's or Operator's Minimum Specifications for Pressure Control Equipment which is to be used, a Schematic Diagram thereof Showing Sizes, Pressure Ratings (or API series), and the Testing Procedures and Testing Frequency

B.O.P. will be as shown on Exhibit 3. The blind and pipe rams will be tested to 2000 psi and held for 20 minutes for each set of rams before the surface casing shoe is drilled out. During drilling, the pipe rams will be closed once a day and a check made for seating, fluid loss, and operations. On each trip, the blind rams will be closed and a check made for seating, fluid loss and operation.

6. Type and Characteristics of the Proposed Circulating Medium or Mediums to be Employed for Rotary Drilling and the Quantities and Type of Mud and Weighting Material to be Maintained

Circulating medium for 12 $\frac{1}{4}$ " surface hole will be gel and lime mud to set 8-5/8" surface casing. For 7-7/8" hole, we propose a CMC mud system weighing 8.8 to 9.1 ppg with a fluid loss of 10 cc or less.

7. Auxiliary Equipment to be Used (such as kelly cocks, floats at the bit, monitoring equipment on the mud system, a sub on the floor with a full opening valve to be stabbed into the drill pipe when the kelly is not in the string, etc.)

A kelly cock will be used on the kelly, and a bottom hole float will also be installed. A full opening safety valve subbed to drill pipe threads will be on the floor at all times. Monitoring of the mud system will be performed using floats and daily measurements by a mud engineer.

8. Testing, Logging, and Coring Programs to be Followed with Provision Made for Required Flexibility

2 DST's may be run in the assumed productive intervals (see No. 3), if samples, shows in the mud or drilling breaks indicate possible hydrocarbons. Logging will be DIL from TD to base of surface casing. Formation Density-Compensated Neutron Log will be run across zones of interest. No cores are anticipated. If the well is determined to be commercial, 4 $\frac{1}{2}$ " casing will be run and cemented. The cement program will include the following: 1) Cement from TD to approximately 4500' with a "G" class cement with salt and gel. 2) Cement the upper water sands from approximately 3800' to surface with a pozmix cement with gel. This will be sufficient to cover the Ojo Alamo zone. The stimulation procedure will consist of perforating all of the Gallup interval acidizing with a mud acid @ a volume of approximately 50 gal/ft and fracturing the Gallup with approximately 40,000 gals. gelled water with 60,000# sand.

(continued)

9. Any Anticipated Abnormal Pressures or Temperatures Expected to be Encountered or Potential Hazards such as Hydrogen Sulfide Gas, Along with Plans for Mitigating Such Hazards

No abnormal pressures or temperatures are anticipated. Also no potentially hazardous hydrogen sulfide gas is expected.

10. Anticipated Starting Date and Duration of the Operations

Anticipated spud date is July, 1980, with subsequent drilling and completion operations lasting 30-60 days.

(Continued)

1. A Legible Map Showing Existing Roads (See Exhibit 2):

- A. Proposed well site location as staked (staking to include two (2) each 200-foot directional reference stakes):

Exhibit 1 shows proposed well site as staked by a registered land surveyor.

- B. Planned Access Road (route and distance from nearest town or locatable referenced point to where well access route leaves the main road:

To reach the Grace Federal 23-1 location from Bloomfield, New Mexico, go Southeast on New Mexico Highway 44 for approximately 50 miles. Turn left immediately past Southern Union Gas Refining-Lybrook plant onto existing dirt road. Continue on dirt road for approximately 6.5 miles (Marker: windmill @ 3.6 miles). Turn west onto existing road (El Paso Natural Gas P/L signs), continue on existing dirt road for approximately 4.4 miles, parallel to power line wires (Markers:**

- C. Access road(s) to location color-coded or labeled:

Access road is color-coded red on Exhibit 2.

- D. If exploratory well, all existing roads within a 3-mile radius (type of surface, conditions, etc.):

N/A

- E. If development well, all existing roads within a 1-mile radius of wellsite: Exhibit 2 shows existing roads within a 1-mile radius.

- F. Plans for improvement and/or maintenance of existing roads:
Improvements and/or maintenance will be according to BLM specifications.

** railroad car and windmill @ 2.1 miles). Proceed North onto existing dirt road approximately 1500' to flagged location.

(continued)

2. Map Showing All Necessary or Planned Access Roads to be Constructed or Reconstructed (See Exhibit 2):

- A. Width: 16-20'
- B. Maximum Grades: Approximately 2%
- C. Turnouts: None are necessary
- D. Drainage Design: No drainage design will be incorporated for the drilling phase. Brush will be cleared and windrowed.
- E. Location and size of culverts and brief description of any major cuts and fills: No culverts are necessary. A 6-10' cut will be taken from the North side of the location and fill distributed to the South side, and as required to level the location..
- F. Surfacing Material: None is planned
- G. Necessary gates, cattleguards, or fence cuts: None are necessary.
- H. New or reconstructed roads are to be center-line flagged at the time of location staking: Access road was centerlined flagged at time of location staking.

3. Location of Existing Wells (See Exhibit 4):

A two-mile radius map, if exploratory, or a 1-mileradius map, if development well, showing and identifying existing (1) water wells, (2) abandoned wells, (3) temporarily abandoned wells, (4) disposal wells, (5) drilling wells, (6) producing wells, (7) shut-in wells, (8) injection wells, and (9) monitoring or observation wells for other resources is attached.

Exhibit 4 shows existing wells within a 1-mile radius.

(continued)

5. Location and Type of Water Supply

Water will be supplied from water storage tank located in Sec. 24, T24N-R7W, approximately one miles east of proposed location.

A. Water Transportation System: Vacuum trucks will be utilized to haul water to the well site.

B. Water Wells: No water wells will have to be drilled.

6. Source of Construction Materials

A. Materials: Construction materials will consist of soil encountered within the boundaries of proposed well site.

B. Land Ownership: BLM

C. Materials Foreign to Site: N/A

D. Access Roads: Approximately 600' of access road approaching the well from the Southwest will utilize soil encountered within the road boundary.

7. Methods for Handling Waste Disposal

A. Cuttings: Cuttings will be contained in the reserve pit, Exhibit 5.

B. Drilling Fluids: Drilling fluids will be retained in the reserve pit, Exhibit 5.

(continued)

7. Methods for Handling Waste Disposal, (Cont'd)

C. Produced Fluids:

Produced fluids will be stored in tanks on the location and hauled off by truck.

D. Sewage:

Sewage disposal will be necessary during drilling operations only. A portable toilet will be provided for human waste.

E. Garbage:

A burn pit will be constructed and fenced with small mesh wire, overhead and around. Any refuse will be burned.

F. Cleanup of Well Site:

Clean-up of this location will proceed after the rig moves off, as outlined in Section 10 of this report.

8. Ancillary Facilities

None required.

9. Well Site Layout

A. Cross-Section of Drill Pad:

See Exhibit 5.

B. Location of Burn, Trash, and Reserve Pits, Soil Material Stockpiles, Access Roads, Mud Tanks, Pipe Racks, Living Facilities:

See Exhibit 5.

(continued)

9. WELL SITE LAYOUT, ETC.

C. Rig Orientation and Layout:

See Exhibit 6.

D. Lining of Pits:

No liners are planned.

10. Plans for Restoration of Surface Upon Completion of Operations:

A. Backfilling, Leveling, Contouring, and Waste Disposal; Segregation of Spoils Materials as Needed:

Prior to backfill operations, any hydrocarbon material on the pit surface will be removed. The fluids and solids contained in the pit will be backfilled when the pit dries. The entire area will be contoured, graded or leveled to its previous condition, such that no drainage will be impounded. The topsoil will be replaced and the area reseeded per BLM recommendations.

B. Revegetation and Rehabilitation - Including Access Roads:

The reseeding will be BLM specifications. Access road will be maintained for vehicular traffic if production results, or regarded to original condition if well is not productive. The area will be reseeded with seed mixture selected by BLM.

C. Prior to Rig Release, Pits Will be Fenced and so Maintained Until Cleanup:

This will be adhered to until pits are dry and backfilled, and the area is restored.

D. Oil on Pit:

Oil will be removed or overhead flagging will be installed.

(continued)

10. Plans for Restoration of Surface Upon Completion of Operations, (Cont'd):

- E. Rehabilitation Timetable: 3 to 6 months upon completion of operations.

11. Other Information

A. Surface Description (Topography, Soil Characteristics, Geologic Features, Flora and Fauna): Topography is broken canyon bottom with southerly drainage, alluvial surface deposits and sandstone outcrops. Soil is sandy loam. Principle vegetation consists of Western wheat grass, thread and needle grass, wolfberry, juniper, pinion, slatbrush, snakeweed, rabbitbrush, squirreltail, dock, cholla, blue grama, prickly pear and barrel cacti.

B. Surface Ownership and Use: BLM

C. Proximity of Water, Dwellings, Historical Sites:

- (1) Water: Nearest source of water is approximately 1 mile east of proposed location.

(2) Occupied Dwellings:

Nearest dwelling is approximately 4½ miles northeast of proposed location.

(3) Sites: None found.

Refer to Report 80-SJC-097 of the Cultural Resource Management Program, San Juan Campus, New Mexico State University.

(continued)

12. Operators Field Representative

Scotty A. Smith
3 Park Central - Ste 200
1515 Arapahoe Street
Denver, CO 80202

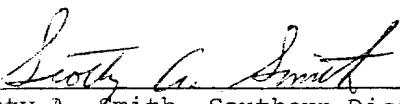
Work: 303/825-8193
Home: 303/234-0257

Benjamin C. Stromberg
Same as above

Work: 303/825-8193
Home: 303/733-9076

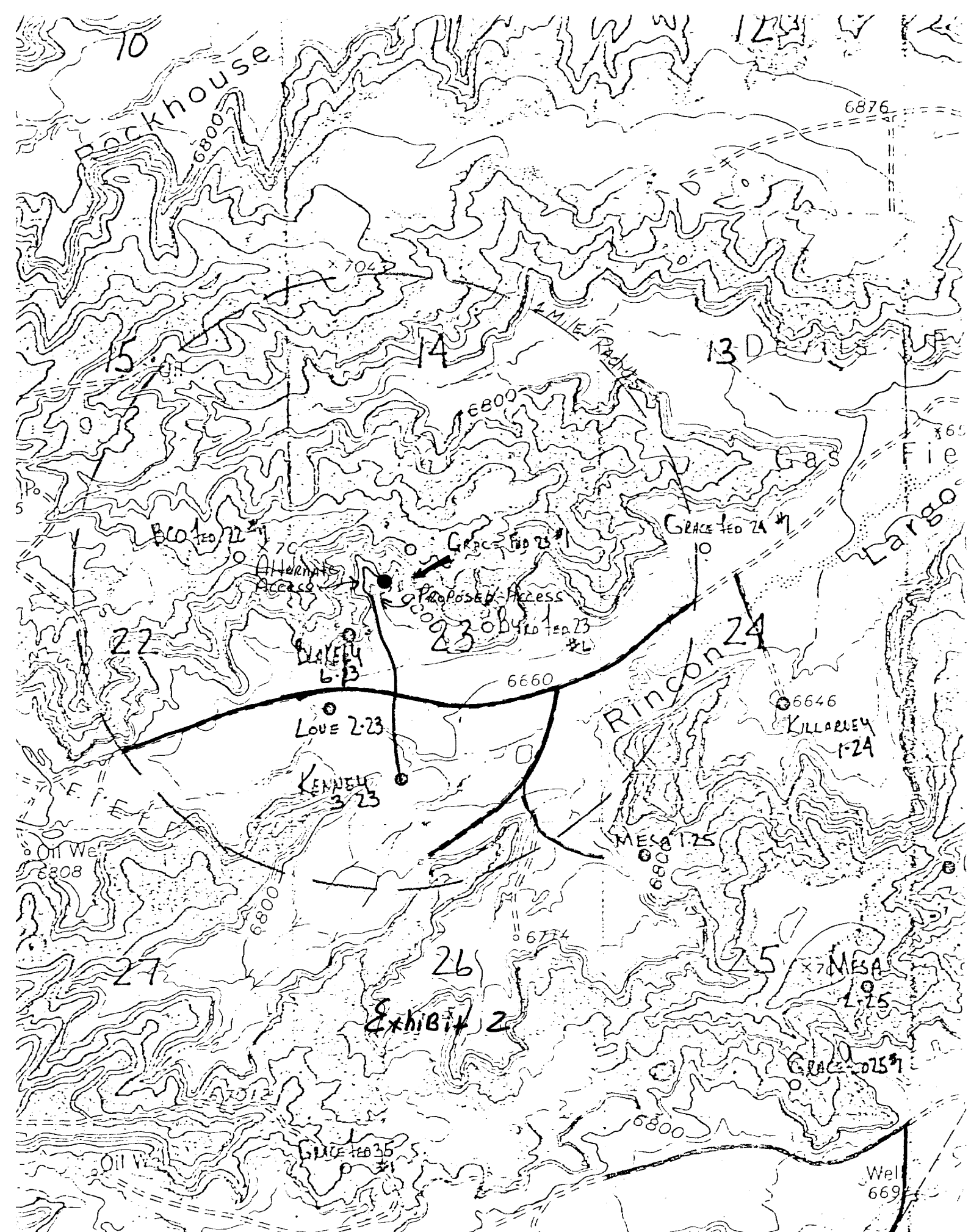
13. Certification

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 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 Grace Petroleum Corp. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

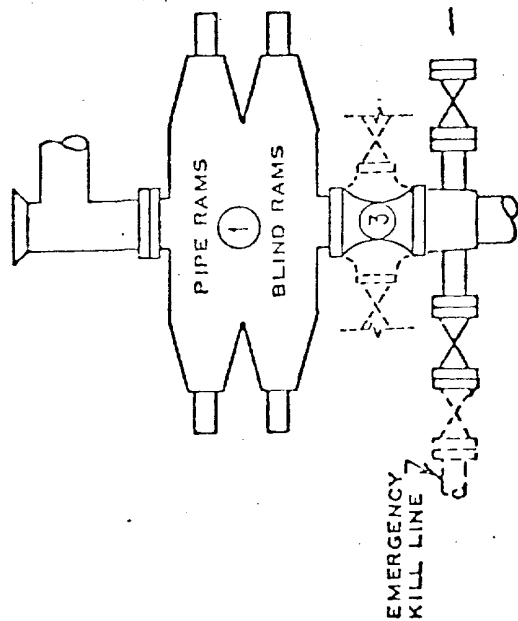


Scotty A. Smith, Southern District Operations Manager

* * * * *



DOUBLE PREVENTER



- ① SERIES 900 RAM-TYPE BOP
- ② 2" SERIES 900 VALVE
- ③ SERIES 900 DRILLING SPOOL
- ④ 2" MUD PRESSURE GAUGE
- ⑤ 2" SERIES 900 CHOKE
- ⑥ 2" SERIES 900 CHECK VALVE
- ⑦ 2" SERIES 900 STEEL TEE

NOTES:

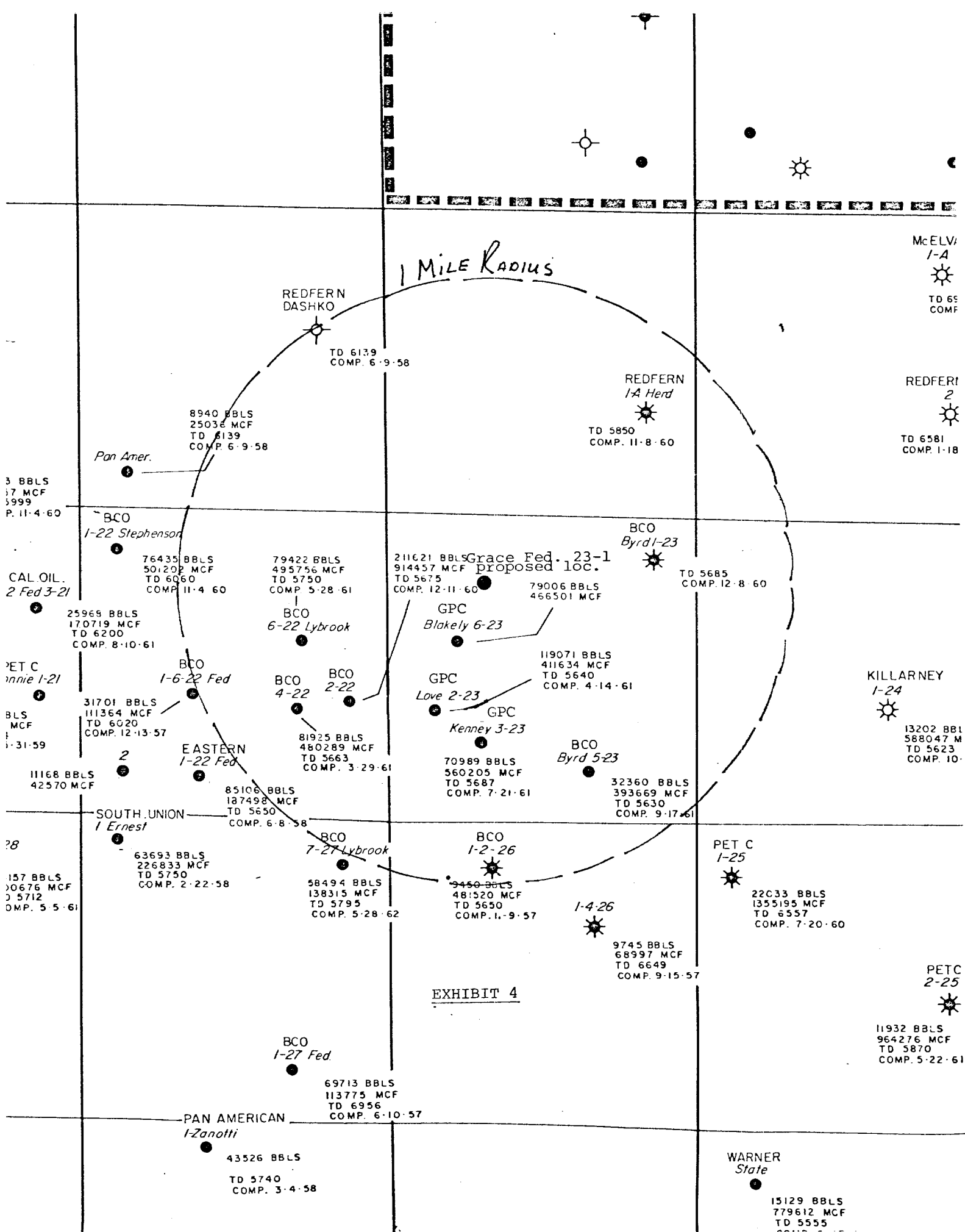
1. 3000 PSI WP CLAMP
HUBS MAY BE SUBSTITUTED
FOR FLANGES

2. VALVES MAY BE EITHER HAND OR POWER
OPERATED BUT, IF POWER OPERATED,
THE VALVES FLANGED TO THE BOP RUN
MUST BE CAPABLE OF BEING OPENED AND
CLOSED MANUALLY OR CLOSE ON POWER
FAILURE AND BE CAPABLE OF BEING
OPENED MANUALLY

..... OPTIONAL EQUIPMENT

3000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP

EXHIBIT NO. 3



R 7 W

1 MILE RADIUS

McELV
1-A
☀
TD 69
COMP

REDFERN
2
☀
TD 6581
COMP. 1-18

T
24
N

KILLARNEY
1-24
☀
13202 BBL
568047 M
TD 5623
COMP. 10

PET C
2-25
☀

11932 BBL
964276 MCF
TD 5870
COMP. 5-22-61

WARNER
Slate
☀

15129 BBL
779612 MCF
TD 5555

TD 5685
COMP. 12-8-60

REDFERN
1A Herd
☀
TD 5650
COMP. 11-8-60

TD 6139
COMP. 6-9-58

REDFERN
DASHKO
☀

8940 BBL
25036 MCF
TD 6139
COMP. 6-9-58

Pan Amer.
☀

BBL
MCF
99
11-4-60

AL OIL
Fed 3-21
☀

T.C
nie 1-21
☀

S
CF
31-59

11168 BBL
42570 MCF

7 BBL
676 MCF
5712
P. 5-5-61

PAN AMERICAN
1-Zanotti
☀

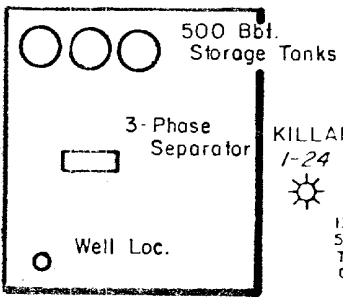
43526 BBL
TD 5740
COMP. 3-4-58

69713 BBL
113775 MCF
TD 6956
COMP. 6-10-57

BCO
1-27 Fed.
☀

EXHIBIT 4A

RIO ARRIBA CO., N.M.



BCO
Byrd 1-23
☀

119071 BBL
411634 MCF
TD 5640
COMP. 4-14-61

GPC
Blakely 6-23
☀

GPC
Love 2-23
☀

GPC
Kenney 3-23
☀

70989 BBL
560205 MCF
TD 5687
COMP. 7-21-61

BCO
Byrd 5-23
☀

32360 BBL
393669 MCF
TD 5630
COMP. 9-17-61

BCO
1-2-26
☀

5450 BBL
481520 MCF
TD 5650
COMP. 1-9-57

1-4-26
☀

9745 BBL
68997 MCF
TD 6649
COMP. 9-15-57

BCO
7-27 Lybrook
☀

58494 BBL
138315 MCF
TD 5795
COMP. 5-28-62

85106 BBL
187452 MCF
TD 5650
COMP. 6-8-58

EASTERN
1-22 Fed.
☀

BCO
1-6-22 Fed.
☀

31701 BBL
111364 MCF
TD 6020
COMP. 12-13-57

S
CF
31-59

T.C
nie 1-21
☀

25965 BBL
170719 MCF
TD 6200
COMP. 8-10-61

AL OIL
Fed 3-21
☀

BCO
1-22 Stephenson
☀

BBL
MCF
99
11-4-60

8940 BBL
25036 MCF
TD 6139
COMP. 6-9-58

TD 6139
COMP. 6-9-58

REDFERN
DASHKO
☀

McELV
1-A
☀
TD 69
COMP

REDFERN
2
☀
TD 6581
COMP. 1-18

T
24
N

R 7 W

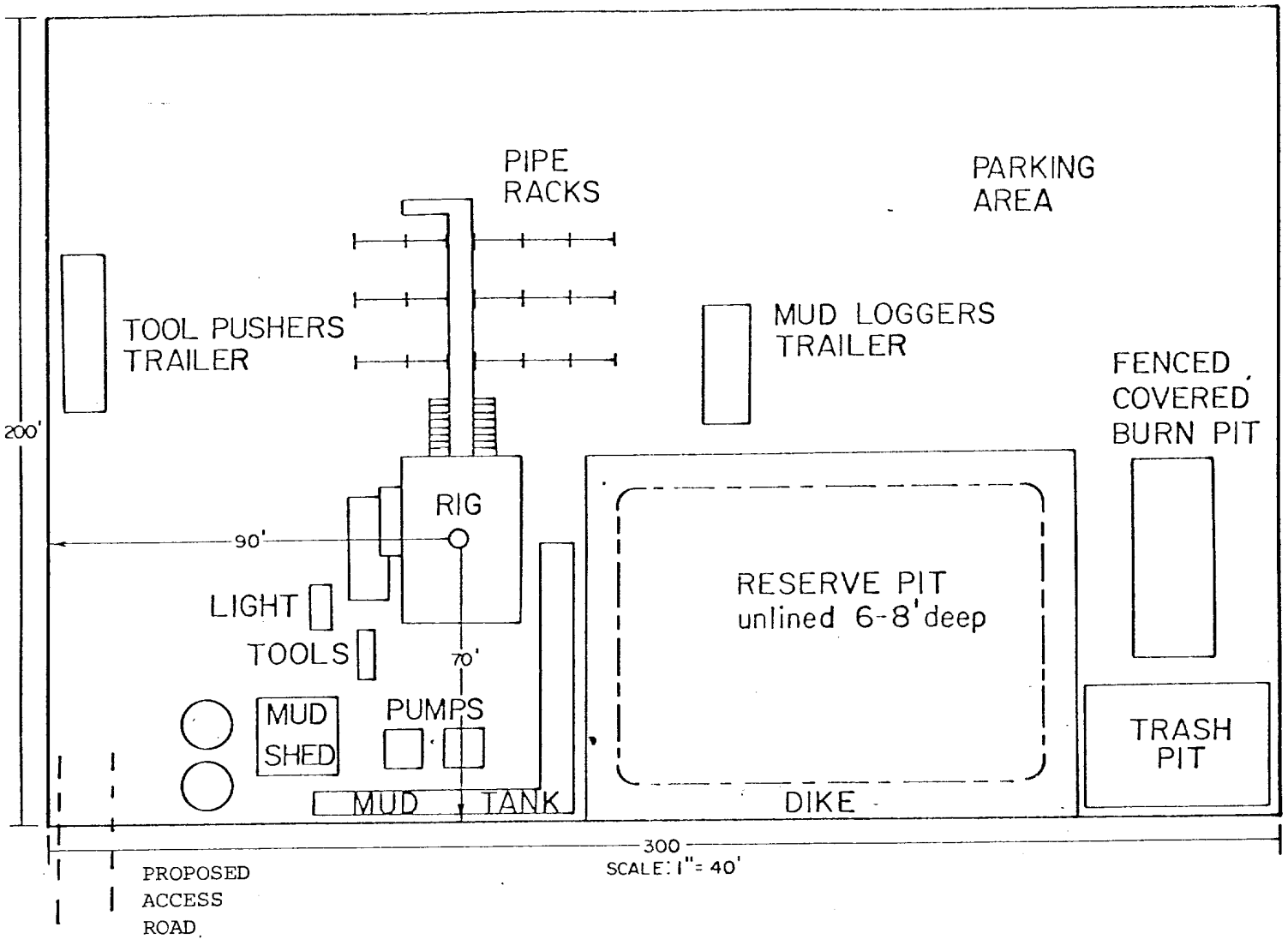


EXHIBIT 5

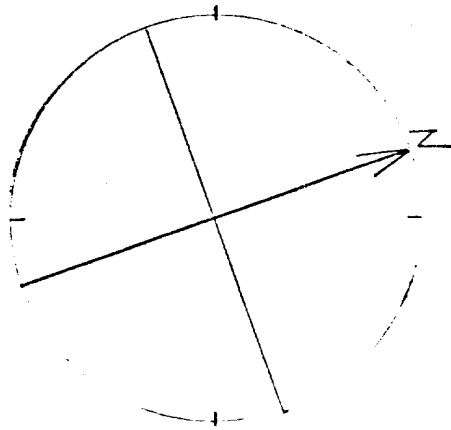
GRACE FEDERAL 23-1
NE NW Sec. 23-T24N-R7W
Rio Arriba County, New Mexico



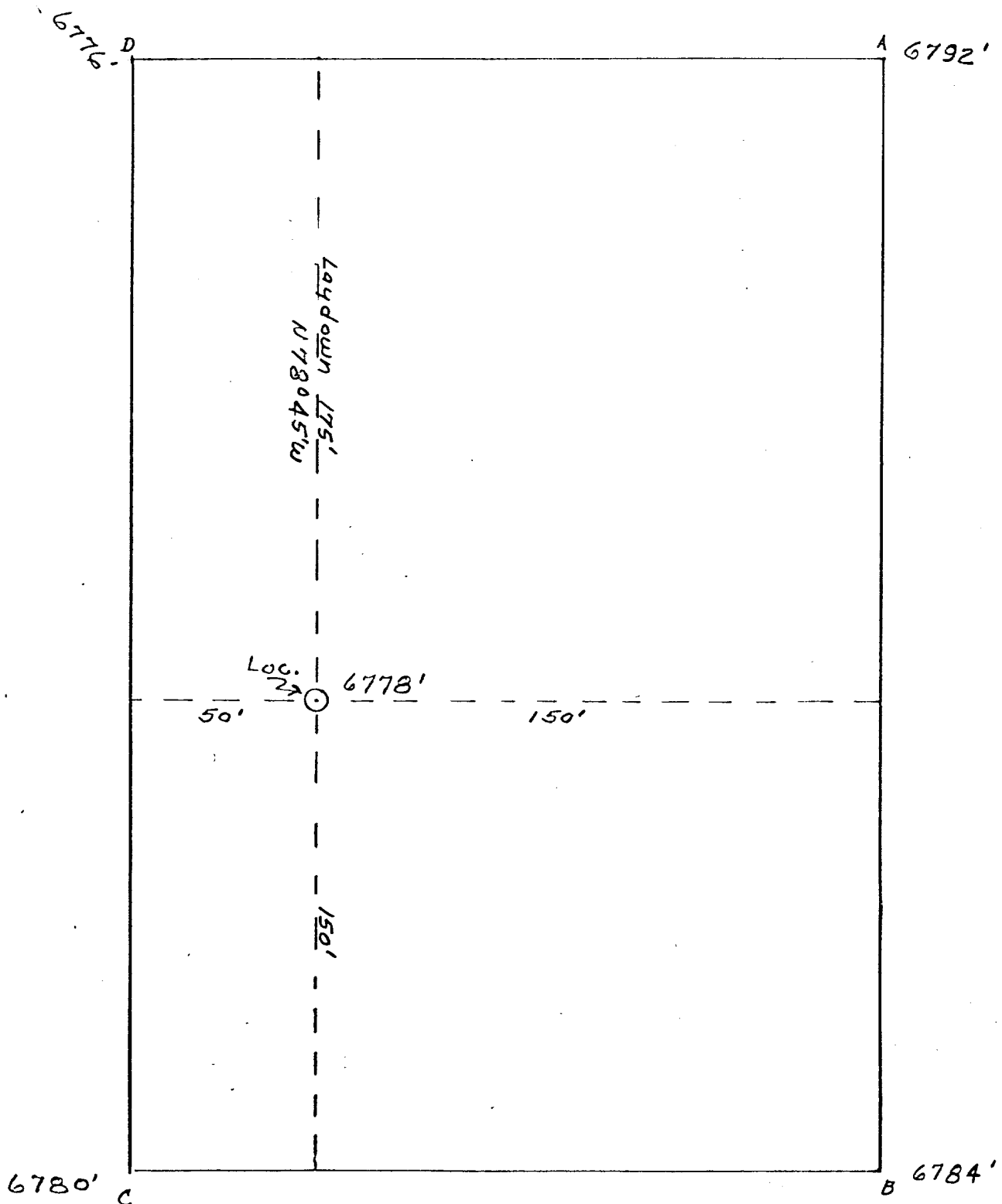
GRACE Petroleum Corp.
Rocky Mountain Region
1515 Arapahoe Suite 200 Three Park Central
Denver, Colorado 80202 (303) 825-8193

Profile for
GRACE PETROLEUM CORP. #1 GRACE-FEDERAL 23
1190'FNL 1685'FWL Sec. 23-T24N-R7W
RIO ARriba COUNTY, NEW MEXICO

EXHIBIT 6



Scale: 1"=40'



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
Grace Petroleum Corporation
3. ADDRESS OF OPERATOR Denver, CO 80202
Three Park Central, St. 200, 1515 Arapahoe
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1190' FNL & 1685' FWL
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) Correct Spacing allocation of NTL -6

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.)*

The original NTL-6 application specified that 320 acres would be allocated to the well whereas only the East half of the NW quarter is actually allocated to the well (80 acres).

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED [Signature] TITLE Operations Manager
[Signature] TITLE Southern District DATE May 2, 1980

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

5. LEASE
SF-078563
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Grace Federal 23
9. WELL NO.
#1
10. FIELD OR WILDCAT NAME
Devil's Fork - Gallup
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23-T24N-R7W
12. COUNTY OR PARISH Rio Arriba 13. STATE N.M.
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6778' ungraded

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

NMCC

WELL LOCATION AND ACREAGE DEDICATION PLAT MAY 8 1978

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

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

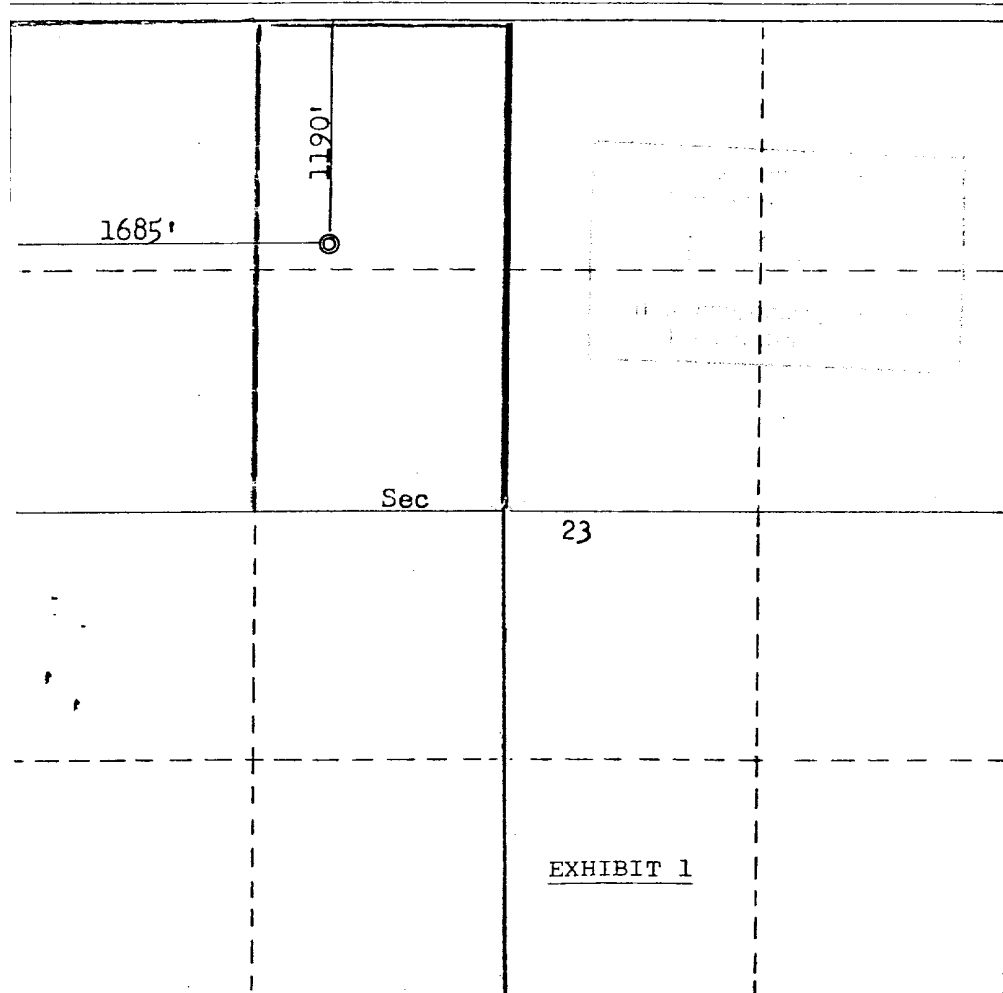
Operator Grace Petroleum Corporation			Lease Grace Federal 23		Well No. 1
Unit Letter C	Section 23	Township 24N	Range 7W	County Rio Arriba	
Actual Postage Location of Well:					
1190 feet from the North line and		1685 feet from the West line			
Ground Level Elev. 6778	Producing Formation Gallup	Pool Devil's Fork	Dedicated Acreage: 320 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). Single lease
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? N/A

☐ 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.) N/A

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.

Scotty A. Smith
Name

Scotty A. Smith

Position Southern District
Operations Manager

Company
Grace Petroleum Corporation

Date
March 26, 1980

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

May 4, 1978

Registered Professional Engineer
and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. KERR, JR.
3950

330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0