

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-043-20102

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 0349515
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N.A.
2. NAME OF OPERATOR MICHAEL P. GRACE		7. UNIT AGREEMENT NAME N.A.
3. ADDRESS OF OPERATOR P.O. Box 1418, Carlsbad, New Mexico		8. FARM OR LEASE NAME Sandy #1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface Sec. 21, T12N., R3W., N.M.P.M. Sandoval Co., N. Mex. 1980 feet west of east line, 665 north of south line At proposed prod. zone 330' SEE CHANGE		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Forty miles northwest of Albuquerque, New Mexico		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any) 660 ft.	16. NO. OF ACRES IN LEASE 1,494.34	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 21, 12N., R3W., NMPM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N.A.	19. PROPOSED DEPTH 1,700	12. COUNTY OR PARISH Sandoval
21. ELEVATIONS (Show whether DF, RT, GR, etc.) Surface Elevation 6017'		13. STATE New Mexico
22. APPROX. DATE WORK WILL START* Feb. 20, 1973		

23. PROPOSED CASING AND CEMENTING PROGRAM

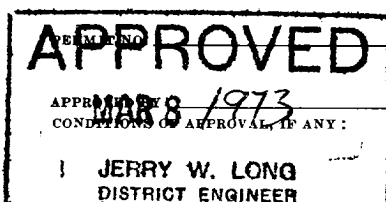
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	10 3/4	45 1/2 lb.	0-100	Circulate to surface
9 5/8	7 5/8	24 lb.	100-TD	30 sacks

Proposal is to drill vertical hole to 1500' to test Jurassic Entrada sandstone oil potential. Blowout preventive equipment to be used below surface casing.



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 Juanita L. Jones TITLE Agent DATE 2/14/73
(This space for Federal or State office use)



APPROVAL DATE _____ TITLE _____ DATE _____

Oral approval 2/28/73

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

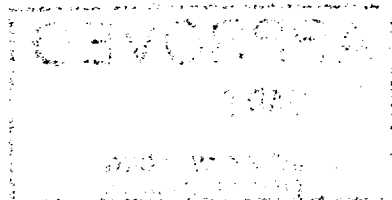
Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.



Section **21** Township **12 North** Range **3 West, NMPM**

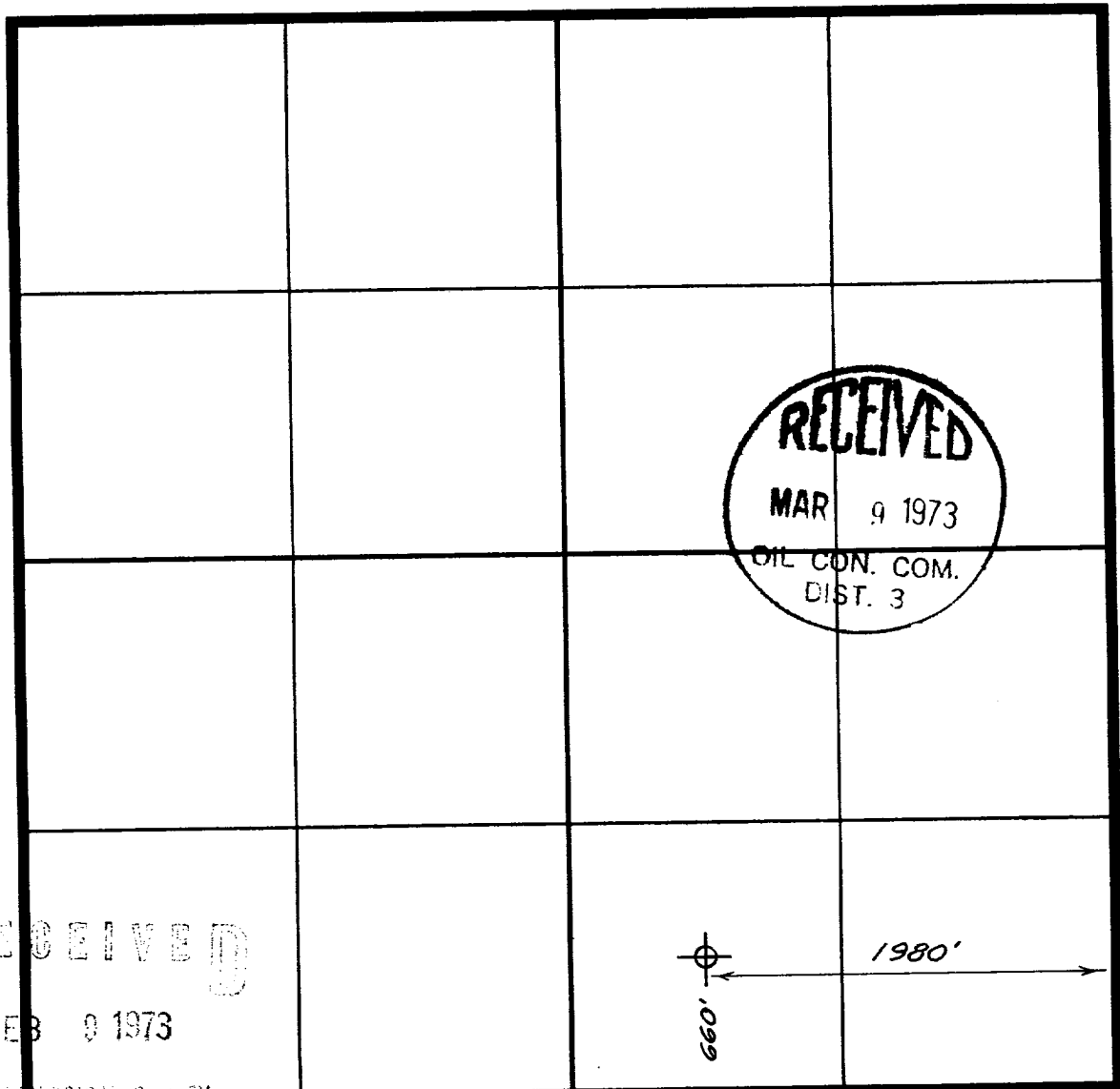
NM-0349515

For Michael P. Grace

**Diagram of location of drilling site in SW1/4 Section 21,
Township 12 North, Range 3 West, NMPM. Location No. 1**

ELDER COMPANY

by *Edward K Elder*
EDWARD K. ELDER
New Mexico Registered Land
Surveyor No. 1323.

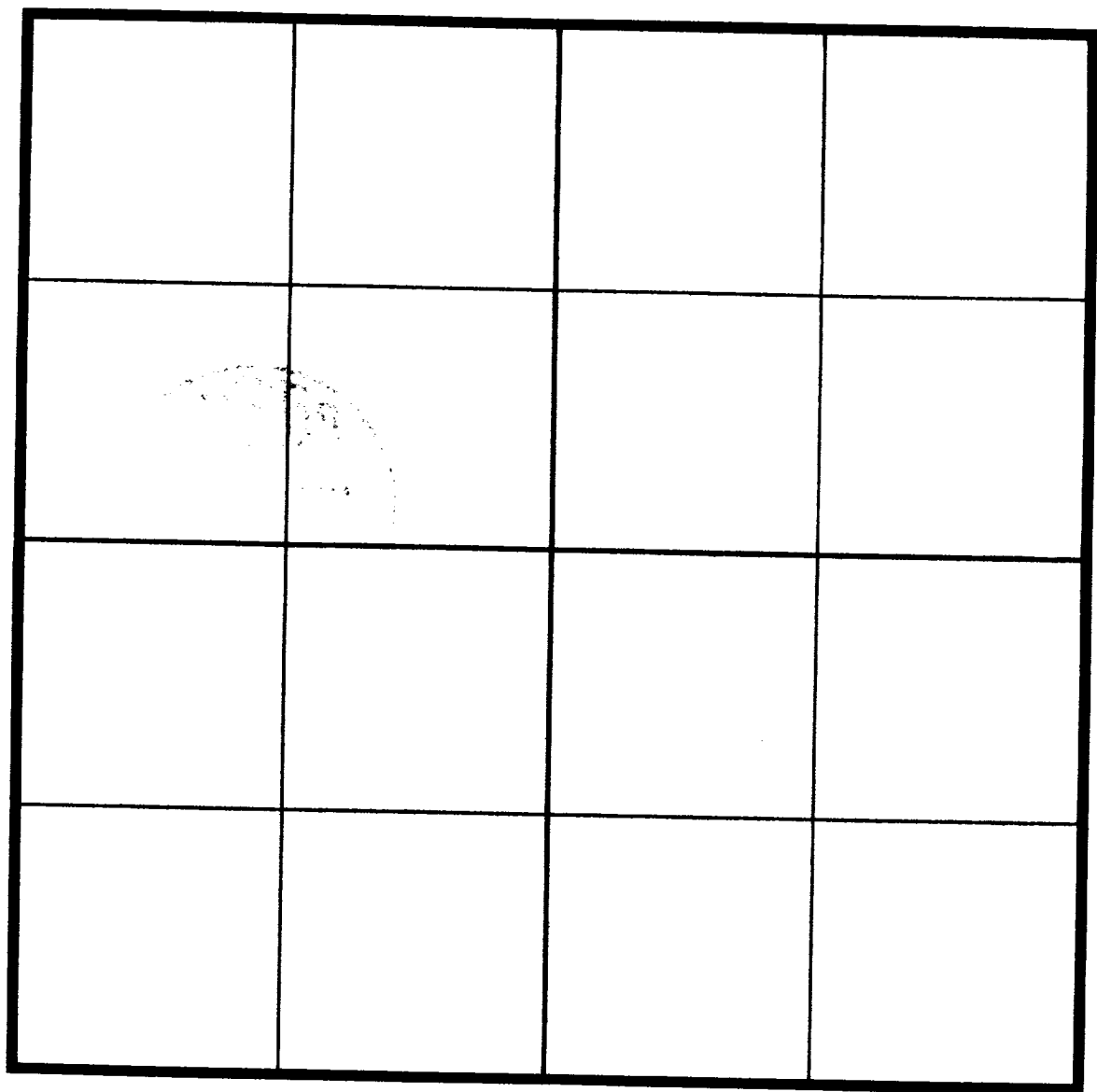


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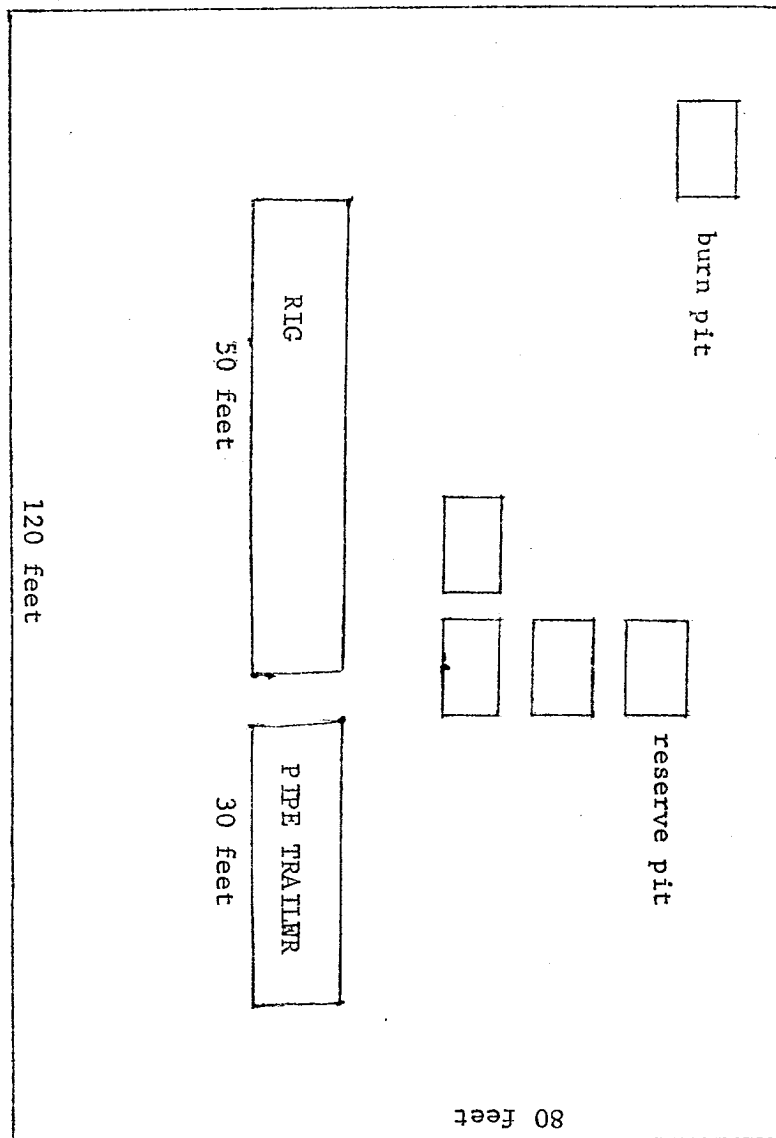
FEB 9 1973

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Section..... Township..... Range.....



DRILL LOCATION PLAT -- SANDY NO. 1



All pits are 6'x10'x6' deep



RECEIVED

FEB 13 1973

U. S. NATIONAL GUARDY
DIST. 3



Dale H. Carlson
CONSULTING GEOLOGIST

Feb. 6, 1973

DEVELOPMENT PLAN FOR GRACE OIL WELL,
SEC. 21, T. 12 N., R. 3 W. NMPM
SANDOVAL COUNTY, NEW MEXICO

1. Existing roads in the area consist of a maintained dirt road which runs from the Rio Puerco bridge west of Albuquerque on U.S. 66 to the Smith Ranch, 26 miles to the northwest. The well location lies 350 feet north of this road.
2. The only necessary access road will be 350 feet of grading over gently sloping ground, and the building of one arroyo crossing.
3. The well location survey plat is being sent directly to your office by Elder Surveying Co., registered land surveyors.
4. None anticipated at this time.
5. Tank batteries and flow lines will be placed at the well location.
6. Water for drilling will be obtained from Bill Smith's well located in Sec. 29, T. 12 N., R. 3 W. The well is producing from the lower Westwater sandstone member of the Morrison Formation at a rate of 28 gallons per minute.
7. Sacks and other combustibles will be disposed of in the burn pit. Other trash and waste will be buried in the mud pits upon well completion.
8. No camp is planned.
9. An unimproved airstrip is located in the adjoining section 20, but there are no plans to make use of this airstrip.
10. The accompanying layout plan shows rig location, mud pits, reserve pits, burn pit, and pipe trailer. Mud tanks will not be used.
- 11.

11. Pits will all be filled, ground will be leveled and re-seeded according to U.S.G.S. and B.L.M. specifications.
12. Access road will be leveled and re-seeded.
13. Deaailed mud program is being supplied by Baroid, and sent to your office.
14. Blowout preventer design is being supplied and sent to your office by AAA supply of Farmington.



Dale H. Carlson

**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 MICHAEL P. GRACE			Lease NM 0349515		Well No. 1
Unit Letter	Section 21	Township 21 N	Range 3W	County Sandoval County	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 1980 feet from the West East line and 330 feet from the South line </div>					
Ground Level Elev. 6017	Producing Formation		Pool Wildcat	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.

Name

Manitoba L. Jones

Position

Agent

Company

Michael P. Grace

Date

March 16, 1973

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

Edward K. Elder

Registered Professional Engineer

and/or Land Surveyor
N.M. Reg. Land Surveyor No. 1323

Certificate No.

