

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 ☐

2. NAME OF OPERATOR
Grace Petroleum Corporation Attention: Bill Baswell

3. ADDRESS OF OPERATOR
6501 N. Broadway, Oklahoma City, OK 73116

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1980' FWL & 4650' FSL
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5 miles SE of Halfway, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 660' to lease line 660' to unit line

16. NO. OF ACRES IN LEASE
2282.84

17. NO. OF ACRES ASSIGNED TO THIS WELL
320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
TD @ 14,306

20. ROTARY OR CABLE TOOLS
Completion Rig

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 3668', KB 3686'

22. APPROX. DATE WORK WILL START*
October 22, 1990

5. LEASE DESIGNATION AND SERIAL NO.
NM-04229-B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
New Mexico Federal "F" Comm.

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
South Salt Lake

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 5, T21S-R32E

12. COUNTY OR PARISH
Lea

13. STATE
New Mexico

Existing PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	54.5 #/ft	496'	600 sxs to surface
12-1/4"	9-5/8"	53.5 #/ft	5176'	2325 sxs 2 stages to surface
7-7/8"	5-1/2"	17 & 20 #/ft	14,306'	875 sxs TOC @ 9200'

- Intent to recompleate N.M. Federal "F" Comm. to Delaware (6830-75' & 6757-80').
1. Kill well. POOH w/tbg & pkr. Set CIBP @ 13,750'. Dump bail 20' cmt on top. Test csg.
 2. Perf sqz holes @ 6900' & 6700'. Set cmt ret. @ 6875'. Perform cmt sqz.
 3. Drill out sqz test & resqz if necessary. Run CBL to check bonding.
 4. Perf Delaware 6830-67' & 6757-80' 2 SPF w/4" csg gun. RIH w/pkr & tbg.
 5. Breakdown perfs & acidize w/± 7000 gal 15% HCL. Swab back load & test.
 6. Fracture stimulate w/27,000 gal 30 quality CO₂ gel & 55,000 lbs proppant.
 7. Flow and/or swab back load. Test well.
 8. POOH w/pkr. RIH w/production string (anchor, tbg, SN, etc). RIH w/rods & pump.
 9. Nipple up well & turn to sales.

NOTE: COMM. IS IN PROGRESS

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 P. Baswell TITLE Operations Engineer DATE 9/26/90
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 9-28-90
CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions On Reverse Side

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 CLEARY PETROLEUM CORP.		Location NEW MEXICO-FEDERAL "F"		Well No. 1
Unit Letter "N"	Section 5	Township 21-S	Range 32-E	County LEA

Actual Footage Location of Well:
3300 feet from the **SOUTH** line and **1980** feet from the **WEST** line

Ground Level Elev. 3668	Producing Formation MORROW	Pool UNDESIGNATED	Dedicated Acreage: 320 Acres
-----------------------------------	--------------------------------------	-----------------------------	--

- Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 COMMUNITIZATION IN PROGRESS
 If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) See Below
 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.

Douglas W. Bass
 Name
Assistant Dist. Prod. Mgr.
 Position
Cleary Petroleum Corp.
 Company
June 14, 1977
 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.

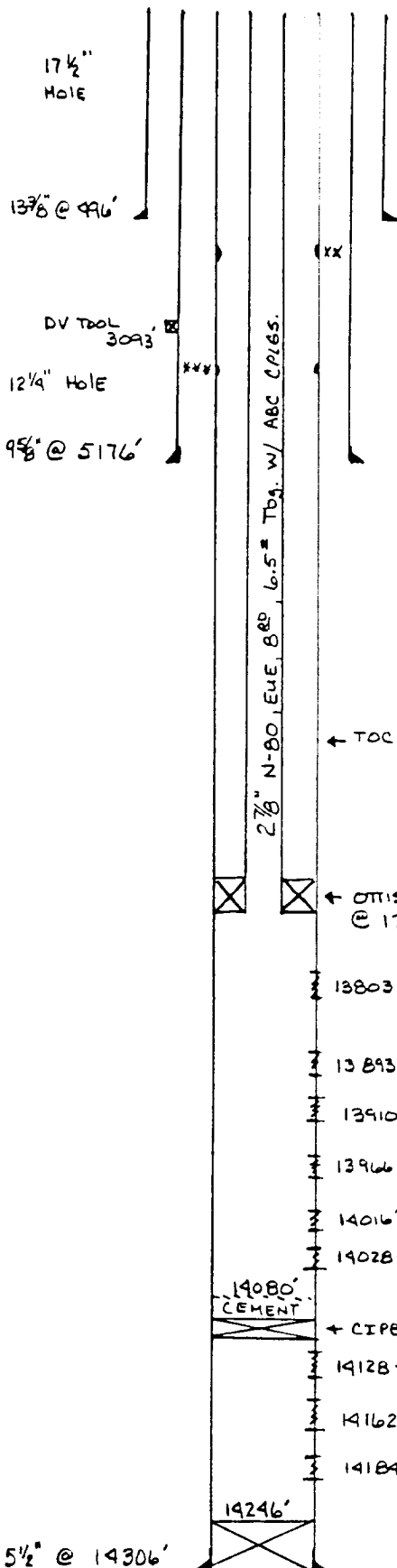
Date Surveyed
JUNE 8, 1977
 Registered Professional Engineer and/or Land Surveyor
Max A. Schumann Jr.
MAX A. SCHUMANN JR.
 Certificate No. **1510**

☐ Bass Enterprises Prod. Co. Lease 80 acres (Lots 11 & 12)
 WI: Bass Enterprises 75% Perry R. Bass - Individually 25%
 Royalty: 12½% U.S. Gov't. ½% Muse 5% Lomas

☐ Cleary Petroleum Corp. Lease 240 acres (Lots 13 & 14 & SW/4 Sec. 5)
 WI: Cleary Pet. Corp. 75% Supron Energy Corp. 25%
 Royalty: 12½% U.S. Gov't. 2½% C. E. Strange 2½% H. Bartaman

COMPLETION DATE: 1-25-79

KB 3686' GL. 3668'



CASING DETAILS:

13 3/8" 54.5# K-55 ST&C 496' 600sx 'C' TO SURFACE
9 5/8" 53.5# N-80 LT&C 5176' 2325sx TO SURFACE
STAGE 1 700sx. STAGE 2 1625sx DV @ 3093'
5 1/2" 17 1/20# S-95 LT&C, 1/2 BUTRESS 875sx.

* 10-1-78 Micro-SEISMogram Bond Log w/ COLLARS
Run From 14200' TO 11000' & 9275' TO 9050'
Shows TOC @ 9200'

** 5 1/2" BOWEN PKR. TYPE CSG. PATCH @ 561'

5 1/2" CSG. DETAIL - BOTTOM UP:

2762' OF 20# S-95 LT&C
9483' OF 17# S-95 LT&C
*** 29' X-O JT. 17# S-95 LT&C TO BUTRESS
2019' OF 17# S-95 BUTRESS

TBG DETAILS:

426jts 2 7/8" 6.5# N-80 w/ABC Cplgs @ 13464'
1 OTIS PERMA-TRIEVE PACKER "PW"
w/ 2.75" BORE (PW = WIRELINE SET)

← TOC @ 9200' (CBL)

← OTIS - 5 1/2" x 2 7/8" PERMA-TRIEVE PKR.
@ 13464' (RUN 10-5-78)

13803 - 13819' (17 HOLES)

13893 - 13900' (8 HOLES)

13910 - 13919' (5 HOLES)

13966 - 13972' (7 HOLES)

14016 - 14022' (7 HOLES)

14028 - 14039' (7 HOLES)

14080'
CEMENT

+ CIPB @ 14100'

14128 - 14132' (5 HOLES)

14162 - 14168' (7 HOLES)

14184 TO 14193' (6 HOLES)

5 1/2" @ 14306'