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NEW MEXICO OIL CONSERVATION COMMISSION

30-043-20331
Form C-101
Revised 1-1-55

5A. Indicate Type of Lease STATE ☐ FEE ☒
5. State Oil & Gas Lease No. NA
7. Unit Agreement Name NA
8. Farm or Lease Name Diamond Trail Ranch
9. Well No. Brent No. 4
10. Field and Pool, or Wildcat Wildcat Entrada
12. County Sandoval
19. Proposed Depth 1700
19A. Formation Entrada
20. Rotary or C.T. Rotary
21. Elevations (Show whether D.F., R.F., etc.) 5862' GL
21A. Kind & Spaced Plug, Bond One well
21B. Drilling Contractor Stewart Bros
22. Approx. Date Work will start May 26, 1978

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK					
1a. Type of Work					
b. Type of Well DRILL ☒ DEEPEN ☐ PLUG BACK ☐					
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐					
2. Name of Operator Helton Engineering & Geological Services, Inc.					
3. Address of Operator 860 Anaconda Tower, 555 17th Street, Denver, CO 80202					
4. Location of Well * UNIT LETTER <u>6</u> LOCATED <u>1900</u> FEET FROM THE <u>East</u> LINE					
AND <u>2300</u> FEET FROM THE <u>North</u> LINE OF SEC. <u>32</u> T4P. <u>13N</u> R6E. <u>6E</u> N4P4M					
23.					

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24	150	100	Surface
7-7/8"	4-1/2"	10.5	1700	100	1200

* Well location as stated is based on a projected section in the Tejon Land Grant. (Sections are not surveyed within the land grant boundary.). See Form C-102 for actual surveyed location.

Drilling Program: Drill 12-1/4" hole to $\pm$ 150', set 8-5/8" surface pipe. Drill 7-7/8" hole to TD ($\pm$ 1700') using drilling mud with a weight of 9.0-9.4, and viscosity of 40-50. Run DST as required. Run SNP-FDC and induction logs. If productive, run 4-1/2", 10.5# casing and cement with 100 sacks.

See attached BOP Schematic.

8-15-78

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. GIVE BLOWOUT PREVENTION PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed J. N. N. N. Title Supervisor Date 5/15/78

(This space for State Use)

APPROVED BY AK Kershner TITLE SUPERVISOR DATE MAY 17 1978

CONDITIONS OF APPROVAL, IF ANY:

N. 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.

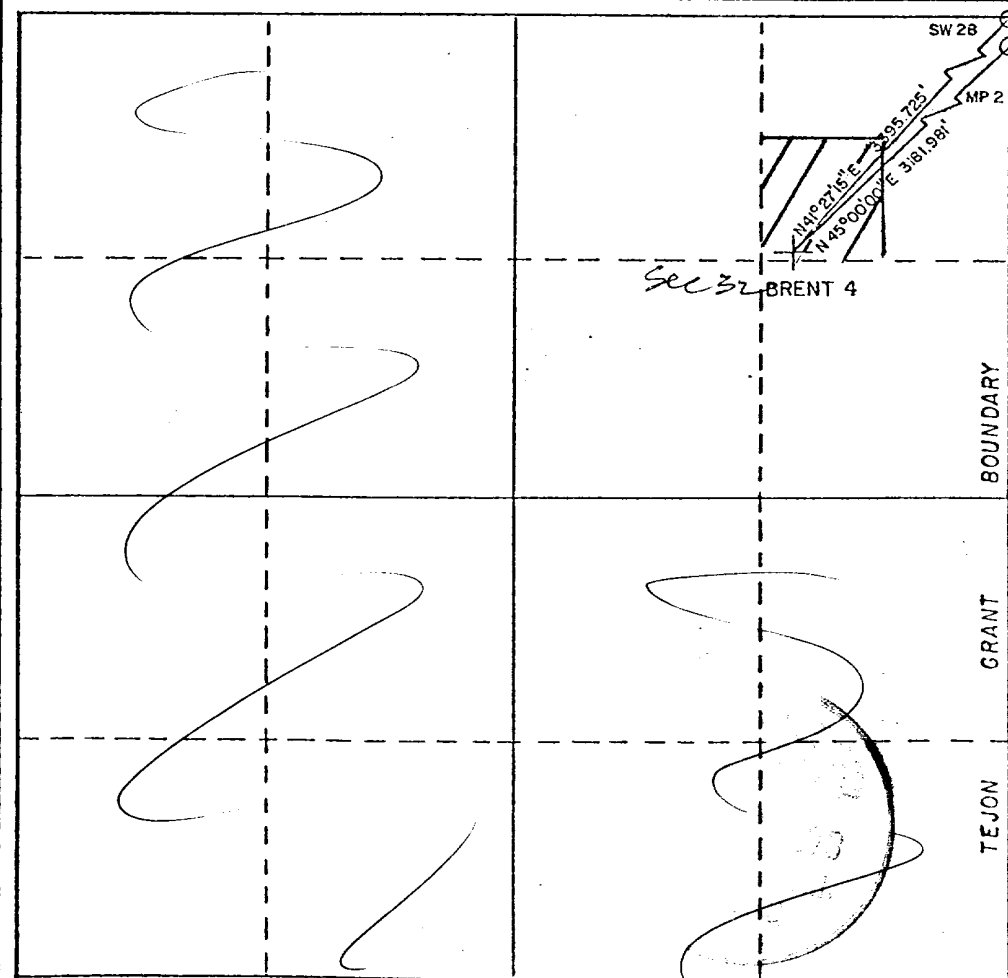
Operator Brent Explorations, Inc.			Lease Diamond Trail Ranch		Well No. 4
Unit Letter NA 6	Section NA 32	Township 13N	Range 6E	County Sandoval	
Actual Footage Location of Well: See Plat below.					
Ground Level Elev. 5862	Producing Formation NA Entrada		Pool NA 11 Unit	Dedicated Acreage: 40	

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). Only one 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? Only one lease.

☐ 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 *Jerome B. Weber*
Jerome B. Weber

Position
Acting for Brent

Company
Helton Engineering

Date
5-3-78

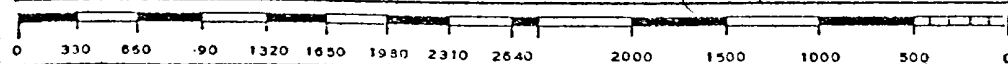
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
April 23, 1978

Registered Professional Engineer and/or Land Surveyor

Charles F. Steink

Certificate No.
N.M.L.S. # 4975





T
13N

1. All valves to be in good working condition.
2. All bolts to be installed and tight.
3. All valves to be tested at 1000 p.s.i. or better.
4. After nipping up, test Rams and pressure up to 1000 p.s.i. for 15 min., and check for possible leaks.
5. All crew members to be familiar with B.O.P. and accumulators.
6. Keep hole full on trips.
7. Use only flange type fittings.
8. Recheck bolts for tightness before 5000 feet or entering production zones.

EXHIBIT

