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FOR 90 DAYS UNLESS DRILLING COMMENCED,

EXPIRES 12-25-78

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| ONDITIONS OF AP-ROVAL, IF ANY: | Convert must be circula ed to surface behind ESE ? | time to witness comenting |

NE MEXICO OIL CONSERVATION COMMISS IN WELL LOCATION AND ACREAGE DEDICATION PLAT

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

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10000 Old Katy Road Suite 100 Houston, Texas 77055 Telephone (713) 932-4700 Cable: BELPETEX

Belco Petroleum Corporation

REPRESENTED BY ATTORNEYS, McCORMICK & FORBES, CARLSBAD, NEW MEXICO

September 18, 1978

City of Carlsbad Carlsbad, New Mexico 88220

Attention: Mr. Claude Tabor, City Administrator

> RE: Belco Petroleum Corporation WALKER-COLEMAN #3 Well Section 29, T-22-S, R-27-E Eddy County, New Mexico

Gentlemen:

Belco Petroleum Corporation herein applies for a Permit to Drill the Walker-Coleman No. 3 well, 2310 feet FEL and 1650 feet FNL, Section 29, T-22-S, R-27-E, Eddy County, New Mexico. Included with this Application is a check in the amount of Five Hundred Dollars (\$500.00) payable to the City of Carlsbad.

Subject well is located within the City of Carlsbad, New Mexico. The proposed location does comply with New Mexico Oil Conservation Division statewide rules for 40-acre oil well spacing.

Application for this location is simultaneously submitted to the New Mexico Oil Conservation Division. The following supporting information is submitted in the same order requested in Ordinance 748, Section 3.B:

1. Date of Application - September 18, 1978

2. Name of Applicant - Belco Petroleum Corporation

3. Address of Applicant - 10,000 Old Katy Road - Suite #100, Houston, Texas 77055

- 4. Registered Agent Prentice-Hall Corp. System, Inc., Sena Plaza, Santa Fe, New Mexico
- 5. a. Name of Lease Grantors Walker, Coleman, Valley Insurance Co., etal, Carlsbad, New Mexico

733.30

City of Carlsbad September 18, 1978 Page Two

- 5. b. Description of Well Location See attached plat (NMOCC Form C-102) marked Exhibit I. Proration Unit dedicated to well is SW NE 1/4 of Section 29
 c. Location with Respect to Property - There are no residences in the
 - immediate vicinity of the well site. The nearest residence is approximately 1800' to the northwest.
 - d. Ground Elevation 3142.4'

6. Type of Derrick - 110' jackknife

7. Proposed Depth - 3400' Delaware test

8. Explanation of Operating Pressures of Facilities - Anticipating pumping oil well with auxiliary flow line operating at less than 50#, to tank battery

9. Location of Compressor - No compressor anticipated.

10. Name of Person or Persons to Be Notified in Case of Emergency -

- 1. Gene Moore
 411 Petroleum Building
 Midland, Texas 79701
 Office Telephone (915) 683-6366
 Residence Telephone (915) 683-4235
- 2. Jerry Meyer
 10,000 01d Katy Road Suite #100
 Houston, Texas 77055
 Office Telephone (713) 932-4700
 Residence Telephone (713) 467-0048
- 11. Proposed Hole Size, Casing Program, Mud Program and Cementing Program See attached marked Exhibit II

Delco

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City of Carlsbad September 18, 1978 Page Three

> 12. Safety Provision of Pipeline with Pressure in Excess of 250# -Not applicable per Item #8

> > Yours very truly,

BELCO PETROLEUM CORPORATION

Lee G. Nering Administrative Geologist

.

LGN/b

Attachments

cc: McCormick & Forbes, Carlsbad, New Mexico BBICO WALKER-COLEMAN #3

EXHIBIT II

DRILLING, MUD, CASING & CEMENTING PROGRAM

LEASE: Walker-Coleman et al

WELL NUMBER: 3 STATE: New Mexico COUNTY: Eddy LOCATION CALL: 2310' FEL & 1650' FNL, Section 29, T-22-S, R-27-E DIRECTIONAL LIMITATIONS: Max. between Surveys, 500'; max. between any two Surveys, 1° Max. deviation from vertical, 6°. . .. HOLE-CSG. CSG. SIZE SIZE DEPTH CEMENT PROGRAM 11" (OH) 8-5/8" 200 sx Class "C" w/2% CAC12 400' 24∦ К-55 ST&C ٤. , 7-7/8" (OII) 5-1/2" 3400' 500 sx Halliburton "Light" w/5# gilsonite + 8# 15.5# salt per sx. Tail w/200 sx 50/50 Pozmix Class "C" w/8# salt per sx (This casing must be cem-K-55 ST&C ented back to base of salt) - Run Temp. Survey after 8 hours. 5-1/2" (csg.) 2-3/7" tbg. 4.7# 3400' J~55 SPECIAL INSTRUCTIONS:

ECIAL INSTRUCTIONS: Conventional guide shoe & float collar on both 8-5/8" & 5-1/2" casing. Shallow Red Beds - some sloughing to be anticipated. Anticipate 7-10 days to drill & set casing before Red Beds start swelling.

XMAS TREE: Not anticipated

ARTIFICAIL LIFT: Pump jack

| MUD PROGRAM | | | | | | |
|--|---------|-------------------------|----------------|--|--|--|
| Depth | Mud Wt. | Viscosity | Water Loss | Type Mud | | |
| 0' - 400' 400' - 3000' 3000' - 3400' | 9.5 | 30-35 28-30 30-35 | - 10 15 | Spud mud Fresh wtr. becomming salty Salt mud – control FL w/starch | | |