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NEW MEXICO OIL CONSERVATION COMMISSION

SEP 20 1978

O. C. C.
ARTERIA, OFFICE

30-015-22699
Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		8. Farm or Lease Name Walker-Coleman	
2. Name of Operator BELCO PETROLEUM CORPORATION		9. Well No. 3	
3. Address of Operator 10,000 Old Katy Road - Suite #100, Houston, TX 77055		10. Field and Pool, or Wildcat Undesignated Carlsbad S, Cherry Canyon	
4. Location of Well UNIT LETTER G LOCATED 2310 FEET FROM THE east LINE AND 1650 FEET FROM THE north LINE OF SEC. 29 TWP. 22-S RGE. 27-E NMPM		12. County Eddy	
19. Proposed Depth 3400'		19A. Formation Delaware	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 3142.4 Gr	
21A. Kind & Status Plug. Bond Permanent		21B. Drilling Contractor WEK Drilling Co.	
22. Approx. Date Work will start 10/15/78			

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
11"	8-5/8"	24#	400'	200	surface
7-7/8"	5-1/2"	15.5#	3400'	700	1500'

BOP 10" 900 ASC pipe rams & 1 set blind rams

Tests: 8-5/8" to 1000#; 5 1/2" to 1000#

Note: See attached Letter Application to Drill within the City of Carlsbad as evidence of notification to the incorporation, in accordance with Rule 102 (b)

APPROVAL VALID
FOR 90 DAYS UNLESS
DRILLING COMMENCED,

EXPIRES 12-25-78

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 PREVENTER PROGRAM, IF ANY.

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

Signed W. A. Gressett Title Administrative Geologist Date 9/18/78

(This space for State Use)

APPROVED BY W. A. Gressett TITLE SUPERVISOR, DISTRICT II DATE SEP 25 1978

CONDITIONS OF APPROVAL, IF ANY:

Consent must be circulated to surface behind 8 5/8" casing time to witness cementing 8 5/8"

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.

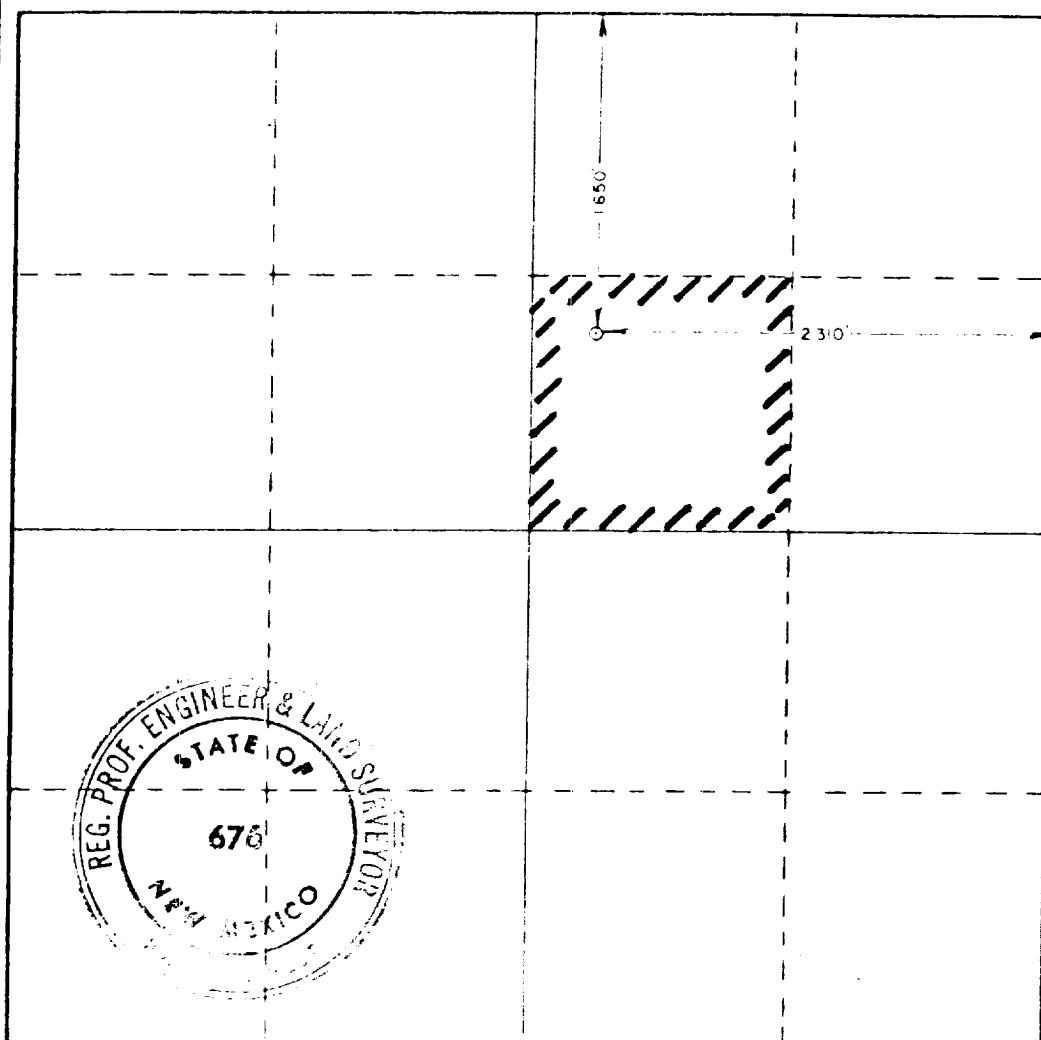
Operator Belco Petroleum Corp.			Lease Walker Coleman		Well No. 3
Unit Letter G	Section 29	Township 22 South	Range 27 East	County Eddy	
Actual Frontage Location of Well: 1650 feet from the North line and 2310 feet from the East line					
Ground Level Elev. 3142.4	Producing Formation Delaware		Pool Undesig. Carlsbad, S., Cherry Canyon		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Lee G. Nering

Name **Lee G. Nering**

Position
Administrative Geologist

Company
BELCO PETROLEUM CORPORATION

Date
September 18, 1978

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
August 19, 1978

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. **John W. West 676**

Ronald J. Eidson 3239

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

85140

City of Carlsbad
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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 Old 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

Belco

City of Carlsbad
September 18, 1978
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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



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°.

<u>HOLE-CSG.</u> <u>SIZE</u>	<u>CSG.</u> <u>SIZE</u>	<u>DEPTH</u>	<u>CEMENT PROGRAM</u>
11" (OH)	8-5/8" 24# K-55 ST&C	400'	200 sx Class "C" w/2% CACl ₂
7-7/8" (OH)	5-1/2" 15.5# K-55 ST&C	3400'	500 sx Halliburton "Light" w/5# gilsonite + 8# salt per sx. Tail w/200 sx 50/50 Pozmix Class "C" w/8# salt per sx (This casing must be cemented back to base of salt) - Run Temp. Survey after 8 hours.
5-1/2" (csg.)	2-3/7" tbg. 4.7# J-55	3400'	

SPECIAL 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

<u>Depth</u>	<u>Mud Wt.</u>	<u>MUD PROGRAM</u>		<u>Type Mud</u>
		<u>Viscosity</u>	<u>Water Loss</u>	
0' - 400'	8.8 - 9.0	30-35	-	Spud mud
400' - 3000'	9.5	28-30	-	Fresh wtr. becoming salty
3000' - 3400'	9.5 - 10.0	30-35	10 - 15	Salt mud - control FL w/starch