

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 (303) 894-2100 Fax: (303) 894-2109



FOR OGCC USE ONLY

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DEC 04 2000

Oil & Gas Conservation Commission
Plugging Bond Surety ID#:

19990085

APPLICATION FOR PERMIT TO:

1. TYPE OF WORK

☒ Drill, ☐ Deepen, ☐ Re-enter, ☐ Recomplete and Operate

2. TYPE OF WELL

OIL ☐ GAS ☒ COAL BED ☐ OTHER:SINGLE ZONE ☒ MULTIPLE ZONE ☐ COMMINGLE ZONES ☐Refiling ☐Sidetrack ☐

3. OGCC Operator Number: 69175

4. Name of Operator: Petroleum Development Corp.

5. Address: 103 East Main St. P.O. Box 26

City: Bridgeport

State: WV Zip: 26330

6. Contact Name & Phone

Gary W. Fridley

Phone: 1-800-624-3821

Fax: 1-304-842-0913

Complete the
Attachment Checklist

	Op	OGCC
APD Original & 2 Copies		
Form 2A (Reclamation) & 1 Copy		
Bermit Fee		
Well Location Plat		
Copy of Topo Map		
Plugging Surety		
Mineral Lease Map		
Surface Agreement/Surety		
Pit Permit (Form 15)		
Deviated Drilling Plan		
Request for Exception Location		
Exception Location Waivers		
H2S Contingency Plan		
Federal Drilling Permit (1 Set)		
30-Day Notice		
Sent complete permit package to county		

7. Well Name: Dunn

Well Number: 23-7

8. Unit Name (if appl.):

Unit No:

9. Proposed Total Depth: 7275'

WELL LOCATION INFORMATION

10. QtrQtr: NESW Sec: 7 Twp: 5N Rng: 64W Meridian: 6th

Footage From Exterior Section Lines:

At Surface: 1994' FWL & 1785' FSL

11. Field Name: Wattenberg

Field Number: 90750

12. Ground Elevation: 4619'

13. County: Weld

14. If well is: ☐ Directional ☐ Horizontal (Highly Deviated), submit deviated drilling plan.

Footage from Exterior Section Lines and Sec Twp Rng:

At Top of Production Zone:

At Bottom Hole:

15. Is location in a high density area (Rule 603b)? ☐ Yes ☒ No

16. Distance to nearest building, public road, above ground utility or railroad: 400' to a building

17. Distance to Nearest Property Line: 464'

18. Distance to nearest well completed in same formation: 1125'

19. LEASE, SPACING, AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc)
Niobrara	NBRR	407-87	80	N/2SW/4
Codel	CODL	407-87	80	N/2SW/4

20. Mineral Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian21. Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

Lease #:

Is the Surface Owner also the Mineral Owner? ☐ Yes ☒ No

Surface Surety ID #: 19990086

If No: ☐ Surface Owners Agreement Attached or☒ \$25,000 Blanket Surface Bond ☐ \$2,000 Surface Bond ☐ \$5,000 Surface Bond23. Describe lease area associated only with the proposed well by QtrQtr, Sec, Twp, Rng (attach separate sheet/map if required):
N/2SW/4 Sec.7 T5N R64W

24. Distance to Nearest Lease Line: 464'

25. Total Acres in Lease: 80 acres

DRILLING PLANS AND PROCEDURES

26. Approx. Spud Date: 1-15-01

NOTE: If air/gas drilling, notify local fire officials.

27. Drilling Contractor Number: 14723

Name: Caza Drilling

Phone #: 303-292-1206

28. Is H2S Anticipated: ☐ Yes ☒ No If yes, attach contingency plan.29. Will salt sections be encountered during drilling? ☐ Yes ☒ No30. Will salt (>15,000 ppm TDS Cl) or oil based muds be used during drilling? ☐ Yes ☒ No31. If questions 29 or 30 are yes, is this location in a sensitive area (Rule 903)? ☐ Yes ☐ No32. Mud disposal: ☐ Offsite ☒ OnsiteMethod: ☒ Land Farming ☐ Land Spreading ☐ Disposal Facility ☐ Other:

NOTE: The use of an earthen pit for recompletion fluids requires a pit permit (Rule 905b).

33. CASING AND CEMENTING PROGRAM

String	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Surface	12 1/4"	8 5/8"	24#	365'	275sks	365'	surface
Production	7 7/8"	4 1/2"	10.5#	7275'	150sks "G"	7275'	6275'
					225sks lite	6275'	3275'
			Stage Tool				

34. BOP Equipment Type: ☐ Annular Preventor ☒ Double Ram ☐ Rotating Head ☐ None

35. Comments, if any:

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Gary W. Fridley

Signed:

Title: Landman

Date: Dec 29, 2000

OGCC Approved:

Director of COGCC

Date: JAN 08 2001

API NUMBER

Permit Number: 010031

Expiration Date: JAN 07 2002

05 123 2023900

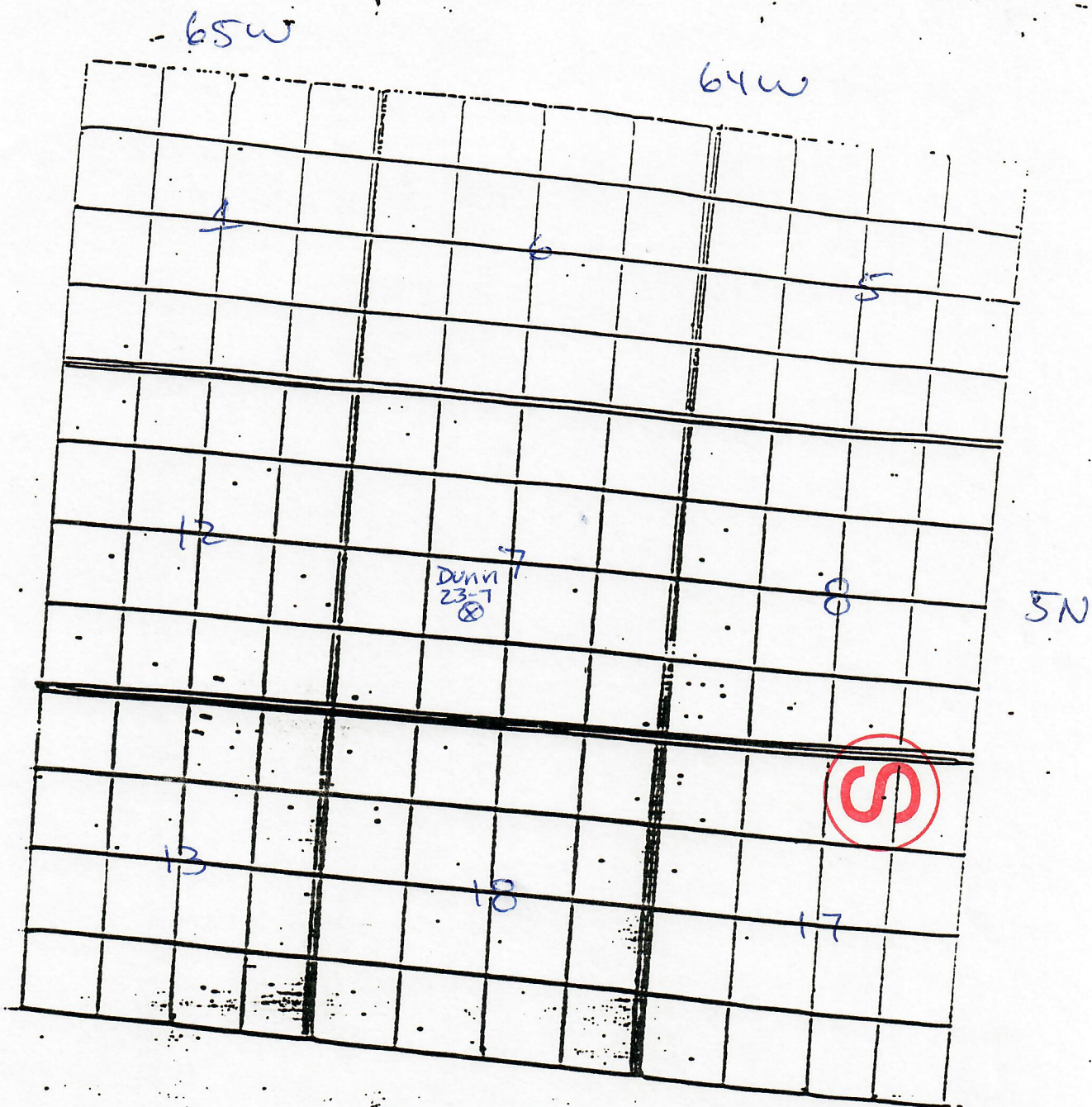
CONDITIONS OF APPROVAL, IF ANY:

CONTACT LINDA PAVELKA 48 HOURS PRIOR TO SPUD AT 303-732-9414.

COMPLY WITH COGCC RULE 317.i. AND PROVIDE 200 FT CEMENT COVERAGE

ABOVE THE NIOBRARA FORMATION. VERIFY COVERAGE WITH A CEMENT BOND LOG.

COMPLY WITH FAA RULES



Only NB-CD prod
within AOR

All H₂O wells
< 200' in AOR

Surf csg must be
set 50' below
Fox Hills transition
and be 50% of ID

LOCATION: NE1/4 OF SW1/4 OF SEC. 7, T.5N., R.64W. (1785 SSL, 1994 WSL)

Ground Elevation: 4619

Number of Acres: 40

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER DAWSON	----	----	----	----	----	----	----
LOWER DAWSON	----	----	----	----	----	----	----
DENVER	----	----	----	----	----	----	----
UPPER ARAPAHOE	----	----	----	----	----	----	----
LOWER ARAPAHOE	----	----	----	----	----	----	----
LARAMIE-FOX HILLS	----	----	----	----	----	----	----

note: E indicates location is at aquifer boundary and values
may be more approximate.

PSI

PHOENIX SURVEYS INC

DUAL INDUCTION GUARD LOG

COMPANY: LYCO ENERGY CORPORATION
WELL: DUNN 24-7
FIELD: WATTENBERG
COUNTY: WELD
STATE: COLORADO
LOCATION: SE SW
SEC-7, T1P-SN, RGE-64U

TD DRILLER: 7062
TD LOGGER: 7057
DEPTH DATUM - PERM: CL
DEPTH DATUM - DRILLER: KB
DEPTH DATUM - LOGGER: KB

ELEVATIONS
CL: 4623
DF: 4632
KB: 4639
BIT SIZE: 7.875

RUN #1

DATE: 1/6/96 TIME ON LOCATION: 1:32
TIME LOG START: 3:54 TIME LOG END: 6:12
TOP RECORDED INTERVAL: 6246.2
BOTTOM RECORDED INTERVAL: 7079.6
TOOLS: GAMMA CNTR / COMP NEUTRON/BHC DENSITY / DUAL IND

CASING DEPTH: 324.0
CASING DIAMETER: 8.625
CASING THICKNESS: .250
CASING TYPE: 24

FLUID TYPE: CHEM GEL
FLUID DEPTH: .0
FLUID DENSITY: 9.3 LB/GAL
FLUID VISCOSITY: 45 SEC/QT.
FLUID SALINITY: 300 PPM
FLUID PH: 8.0
FLUID LOSS: 9.6 CC/HR
HOURS SINCE LAST CIRCULATION: 6.0

RH = 4.600 OHM/M @ 40 DEG F SOURCE: FLOWLINE
RHF = 3.120 OHM/M @ 40 DEG F SOURCE: MEAS.
RHC = 5.750 OHM/M @ 40 DEG F SOURCE: CALC.
RH @ BOREHOLE TEMPERATURE = .970 OHM/M
BOREHOLE TEMPERATURE @ TD = 200 DEG F
NOMINAL TEMP. GRADIENT = 2.0 DEG/100FT

LOGGING UNIT NUMBER: 4041
LOGGING UNIT OPERATOR: TIM DALEY
LOGGING UNIT LOCATION: BRIGHTON
WITNESSED BY: DIRK OLSEN

REMARKS :

OTHER SERVICES: CDLC/CN/GR
VOLUME IS TOTAL HOLE VOLUME.

DRILLING RIG: CAZA #1

SENSOR NUMBERS :

NAME	SER.NO	OFFSET	RUN DIR	NAME	SER.NO	OFFSET	RUN DIR
GR	00157	2.00	1 ↑	POR CN	00042	5.90	1 ↑
NEUTNR	00042	5.10	1 ↑	NEUTFR	00042	6.30	1 ↑
PORCNV	00042	5.90	1 ↑	CLPR-D	00147	14.10	1 ↑
DENS	00139	14.70	1 ↑	CORR D	00139	14.70	1 ↑

