



FOR COGCC USE ONLY
RECEIVED
JUN - 6 05
COGCC
Plugging Bond Surety ID#
20010031

1. Drill, Deepen, Re-enter, Recomplete and Operate

2. TYPE OF WELL
OIL GAS COALBED OTHER: _____
SINGLE ZONE MULTIPLE ZONES COMMINGLE ZONES

Refrilling
Sidetrack

3. COGCC Operator Number: 69175 4. Name of Operator: Petroleum Development Corporation

5. Address: 103 East Main Street
City: Bridgeport State: WV Zip: 26330

6. Contact Name: Gary W. Fridley Phone: (304) 842-6256 Fax: (304) 326-2578

7. Well Name: Richter Well Number: 44-27

8. Unit Name (if appl): _____ Unit Number: _____

9. Proposed Total Depth: 8230' ✓

10. Qtr/Sec: SESE Sec: 27 Twp: 7N Rng: 64W Meridian: 6th P.M.
Footage from Exterior Section Lines
At Surface: 850' FSL x 470' FEL

11. Field Name: Wattenberg Field Number: 90750

12. Ground Elevation: 4870' 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 the nearest building, public road, above ground utility or railroad: 470' to a public road

17. Distance to Nearest Property Line: 228' 18. Distance to nearest well permitted/completed in the same formation: 1130'

Complete the Attachment Checklist

	OP	COGCC
APD Orig & 1 Copy	X	✓
Form 2A	X	✓
Well location plat	X	✓
Topo map	X	✓
Mineral lease map		
Surface agmt/Surety		
30 Day notice letter	6/3/05	5
Deviated Drilling Plan		305
Exception Loc Request		
Exception Loc Waivers		
H2S Contingency Plan		
Federal Drilling Permit		

19. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number (s)	Unit Acreage Assigned to Well	Unit Configuration (N2, SE4, etc.)
Dakota, J-Sand, Niobrara,	DKJNC			
Codell				

20. Mineral Ownership: Fee State Federal Indian Lease # _____
21. Surface Ownership: Fee State Federal Indian
22. Is the Surface Owner also the Mineral Owner? Yes No Surface Surety ID# 19990086
If Yes: Is the Surface Owner(s) signature on the lease? Yes No
If No: Surface Owners Agreement Attached or \$25,000 Blanket Surface Bond \$2,000 Surface Bond \$5,000 Surface Bond
23. Using standard Qtr/Sec, Twp, Rng format enter entire mineral lease description upon which this proposed well site is located (attach separate sheet/map if you prefer):
✓ All Section 27, T7N, R64W
24. Distance to Nearest Mineral Lease Line: 470' 25. Total Acres in Lease: 640 acres

DRILLING PLANS AND PROCEDURES

26. Is H2S anticipated? Yes No If Yes, attach contingency plan.

27. Will salt sections be encountered during drilling? Yes No

28. Will salt (>15,000 ppm TDS Cl) or oil based muds be used during drilling? Yes No

29. If questions 27 or 28 are yes, is this location in a sensitive area (Rule 903)? Yes No If 27, 28 or 29 are "Yes" a pit permit may be required.

30. Mud disposal: Offsite Onsite
Method: Land Farming Land Spreading Disposal Facility Other: _____

NOTE: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b.) If air/gas drilling, notify local fire officials.

String	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bottom	Cement Top
Conductor							
Surface	12 1/4"	8 5/8"	24#	555' ✓	425 sks	555'	surface
Production	7 7/8"	4 1/2"	10.5#	8230' ✓	225 sks "G"	8230'	6730'
					225 sks "lite"	6730'	3730'

31. BOP Equipment Type: Annular Preventor Double Ram Rotating Head None

32. Comments _____

33. Initial Rule 306 Consultation took place on (date) 5/03/05 ✓, was waived, or is not required. Provide supporting documentation if consultation has been waived or if good faith effort did not result in consultation.
PERMIT SUBMITTED TO COGCC PRIOR TO COMPLIANCE WITH RULE 306 CONSULTATION SHALL BE RETURNED UNAPPROVED.
I hereby certify that a complete permit package has been sent to the applicable Local Government Designee(s), and all statements made in this form are, to the best of my knowledge, true, correct, and complete.
Signed: Gary W. Fridley Print Name: Gary W. Fridley
Title: Landman Date: June 3, 2005

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.
COGCC Approved: [Signature] Director of COGCC Date: 7/14/05
Permit Number: 20051983 Expiration Date: 7/13/06

API NUMBER
05-123-23092-00

CONTACT ED BINKLEY 48 HOURS PRIOR TO SPUD AT 970-506-9834.
COMPLY WITH COGCC RULE 317.i. AND PROVIDE 200 FT CEMENT COVERAGE
ABOVE THE NIOBRARA FORMATION. VERIFY COVERAGE WITH A CEMENT BOND LOG.



Selected Items Report

Oil and Gas Wells Selected						
Filter Results by Formation <input type="text" value="Include"/> <input type="text" value="CODL"/> <input type="button" value="Filter"/>						
WELL DESCRIPTION	LOCATION	WELL INFORMATION				
05-123-12121, FALCON-ANDRAU ENERGY CO., 14 OWL CREEK	SWSW 23 7N -64W (6)	Sidetrack TD Formation Status				
05-123-22339, PETROLEUM DEVELOPMENT CORP., 13-27 RICHTER	NWSW 27 7N -64W (6)	Sidetrack TD Formation Status 00 7344 CODL PR				
05-123-22990, PETROLEUM DEVELOPMENT CORP., 23-27 RICHTER	NESW 27 7N -64W (6)	Sidetrack TD Formation Status				
05-123-22991, PETROLEUM DEVELOPMENT CORP., 24-27 RICHTER	SESW 27 7N -64W (6)	Sidetrack TD Formation Status				
05-123-22337, PETROLEUM DEVELOPMENT CORP., 11-35 LANG	NWNW 35 7N -64W (6)	Sidetrack TD Formation Status				

Facilities Selected			
FACILITY DESCRIPTION	LOCATION	PIT INFORMATION	
		Type	Unlined Status

Water Wells Selected						
Filter Results by Depth <input type="text" value="Greater than"/> <input type="button" value="Filter"/>						
WELL DESCRIPTION	LOCATION	WELL INFORMATION				
		Depth	Top Perf	Bottom Perf	Aquifer	
Receipt=0322473, Permit=0159686--, BRICKER JASON G	SESE 22 7N-64W	460	340	260	GW	
Receipt=0480368, Permit=0235612--, BRICKER JASON	SESE 22 7N-64W	0	0	0	GW	
Receipt=0477704, Permit=0235609--, IRVINE ROBERT S	SWSE 22 7N-64W	460	340	460	GW	
Receipt=9065451, Permit=0077436--, WILSON KENNETH G. & EUDORA F.	NENW 26 7N-64W	410	0	0	GW	
Receipt=0283182A, Permit=0150280--, FARM CREDIT SERVICES	SWNW 26 7N-64W	0	0	0	KLF	
Receipt=0283182B, Permit=0150280--A, FARM CREDIT SERVICES	SWNW 26 7N-64W	460	265	425	KLF	
Receipt=0041520, Permit=0041520-MH-, ASH & WHITE CONSTRUCTION	NWSE 26 7N-64W	0	0	0	GW	
Receipt=9063819, Permit=0036059--, WHITE E T	SENE 27 7N-64W	452	0	0	GW	
Receipt=9065471, Permit=0077911--, RITCHER MARION L.	SESE 27 7N-64W	480	0	0	GW	
Receipt=0229849, Permit=0077911--A, RICHTER M.	SESE 27 7N-64W	0	0	0	GW	
Receipt=9059888, Permit=0007580--, ENGEL VERN	SWSW 27 7N-64W	348	0	0	GW	
Receipt=0356143A, Permit=0000000--, DYER ROBERT HAROLD	NENE 34 7N-64W	0	0	0	GW	
Receipt=0359935A, Permit=0173053--, DYER ROBERT H	NENE 34 7N-64W	224	0	0	GW	
Receipt=0359935B, Permit=0173053--A, LANG LARRY F & DIANA L KENDRICK	NENE 34 7N-64W	300	140	300	GW	
Receipt=0038226, Permit=0038226-MH-, LOHR RODNEY AND DARLA	SWNW 34 7N-64W	0	0	0	GW	
Receipt=0427170A, Permit=0208959--, PAPPENHEIM RON	NWNE 35 7N-64W	330	250	330	GW	
Receipt=9065486, Permit=0078216--, CECIL VERNON	NESW 35 7N-64W	358	0	0	GW	

Richter 44-27

Well name and number:

SESE-527-T7N-R64W
Survey Plat Check list

S

number	Item	
	8-1/2" x 11" scaled drawing of the entire section	OK
1	Dimensions on adjacent exterior section lines sufficient to completely describe the quarter section containing the proposed well shall be indicated	OK
1a	If dimensions are not field measured, state how the dimensions were determined	OK
2	For directional drilling into an adjacent section, that section shall also be shown on the location plat and dimensions on exterior section lines sufficient to completely describe the quarter section containing the proposed productive interval and bottom hole location shall be indicated.	N/A
3	For irregular, partial or truncated sections, dimensions will be furnished to completely describe the entire section containing the proposed well.	N/A
4	The field measured distances from the nearer north/south and nearer east/west section lines shall be measured at ninety (90) degrees from said section lines to the well location and referenced on the plat.	OK
4.1*	For unsurveyed land grants and other areas where an official public land survey system does not exist the well locations shall be spotted as footages on a protracted section plat using Global Positioning System (GPS) technology and also reported as latitude and longitude in accordance with the requirements set forth below: in 4A, 4B, 4C	N/A
4A*	All GPS data reported to the Commission shall be differentially corrected using base station data or other correction sources. The base station or other correction source shall be identified and reported with the coordinate values.	
4B*	Coordinates shall be reported as latitude and longitude in decimal degrees to an accuracy of at least five (5) decimal places (e.g.; latitude 37.12345 N, longitude 104.45632 W).	
4C*	All data shall be referenced to the North American Datum (NAD) of 1927.	
4D	The date of the survey shall be reported.	OK
5	A map legend	
6	A North Arrow	
7	A scale expressed as an equivalent (e.g. 1" = 1000').	
8	A bar scale.	
9	The ground elevation.	
10	The basis of the elevation (how it was calculated or its source).	
11	The basis of bearing or interior angles used.	
12	Complete description of monuments and/or collateral evidence found; all aliquot corners used shall be described.	
13	The legal land description by section, township, range, principal meridian, baseline and county.	
14	Operator name	
15	Well name and number	OK
16	Date of completion of scaled drawing	
17a	All visible improvements within two hundred (200) feet of a wellhead (or, in a high density area within four hundred (400) feet of a wellhead) shall be physically tied in and plotted on the well location plat or on an addendum, with a horizontal distance and approximate bearing from the well location.	N/A
17b	Visible improvements shall include, but not be limited to, all buildings, publicly maintained roads and trails, major above-ground utility lines, railroads, pipelines, mines, oil wells, gas wells, injection wells, water wells, visible plugged wells, sewers with manholes, standing bodies of water, and natural channels including permanent canals and ditches through which water flows.	N/A
17c	If there are no visible improvements within two hundred (200) feet of a wellhead (or in a high density area within four hundred (400) feet of a wellhead), it shall be so noted on the Permit-to-Drill, Form 2.	OK
18	Surface use shall be described within the two hundred (200) foot radius of a wellhead (or in a high density area within the four hundred (400) foot radius of a wellhead).	OK

* Only required for unsurveyed land grants and other areas where an official public land survey system does not exist.
 The survey plat you submitted with your permit was found to be in non-compliance with COGCC rule 303c. See above checklist. If a survey plat is not in compliance with rule 303c the operator will be notified and the permit will be placed on hold until an adequate replacement is supplied to the COGCC.

Good