

Permit No.: _ 2038

Conditions, if any, on attached page.

DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES Minerals & Mining Program 2050 West Main, Suite #1, Rapid City, SD 57702-2493 Telephone: 605-773-4201, FAX: 605-394-5317

FORM 2 RECEIVED JUN 1 4 2013

APPLICATION FOR PERMIT TO DRILL RESOURCES - RAPID CITY

Type of work: ☑Drill New We ☐Other:	Reenter Well	Drill Direction	nal Well	Type of w ☑ Oil We ☐ Other:		☐ Injection		
Name and Address of Operator: Continental Resources, Inc., P.O. Box 268870, Oklahoma City, OK 73126							Telephone: 405-234-9000	
	ess of Surface Owne pany, 12233 Rasmu	r: us Rd., Buffalo, SD 5	7750					
		actor and Rig Numb 08, Gillette, WY 827						
SESW Sec 10 T2	1N R3E, Harding Co.	., 250' FSL & 1500' F	WL; Lat: 45	nearest lines of section 47 30.952; Long: -10		ongitude (if availa	ıble):	
Top of Pay: 721	' FSL & 1500' FWL, S	hole location from the SESW Sec 10 T21N R.		of section: 80' FNL & 1500' FWL,	NENW Sec 3 T21N I	R3E		
Acres in Spacing (Drilling) Unit: Description of Spacing Unit: 1280 Sec 3 & 10 T21N R3E								
Well Name and Number: Elevation: Field and Pool,				Pool, or Wildcat:	Proposed Depth and Formation:			
Cernan 24-10H		3231' FRGE	Buffalo		18,148' MD; Red River "B"			
Size of Hole: 1) 13 1/2" 2) 8 3/4" 3) 4)	Size of Casing: 9 5/8" 7"	Weight per Foot: 36# 23, 26, 29#	Depth: 1500' 8852'	678 sks Type III	ype III 15		Depth: 1500' 8852'	
The Cernan 24- Dakota. The we 12 deg/100 ft BI the top of the R estimated date	. Use additional pag 10H is a horizontal R Il will be drilled vert JR will be drilled to ed River "B" porosity to begin dirt work is	ge(s) if appropriate. Red River "B" well wit ically, approximately the north at an azim y zone. The lateral w 6 06/19/2013.	th a SHL loca y to the top outh of 360 o ill then be d	I give pertinent dates, ated at 250' FSL & 150 of the Silurian Interla degrees, through wh Irilled to a BHL of 530	00' FWL of Sec 10 TZ ke formation. From ch the 7" casing wi ' FNL & 1500' FWL o	21N R3E, Harding this point, an 8 3, ll be set approxim	Co., S. /4" hole at	
				cuttings pit during d				
i hereby certify	that the foregoing as	to any work or oper	ation perfor	med is a true and corr	ect report of such w	ork or operation.		
Signature Terry L. Olson Name (Print)					mpliance Spec. 6/12/2013 Title Date			
FOR OFFICE USE ONLY								
Approved By: Q.C. + Tangel Title: Administrator Mornals: Miner Ag.								

API No.: 40 063 20752

Date Issued: _



DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES

PMB 2020 JOE FOSS BUILDING **523 EAST CAPITOL** PIERRE, SOUTH DAKOTA 57501-3182

www.state.sd.us/denr

Permit: #2038

PERMIT CONDITIONS

CRI: Cernan 24-10H

21N-3E-10 SESW, Harding County API: 40 063 20752

Approval has been granted to drill this location as detailed on the attached Application for Permit to Drill (Form #2) with the following additional conditions:

- 1. This permit is conditioned on compliance with all applicable requirements of South Dakota Codified Laws 45-9 and Administrative Rules of South Dakota 74-12.
- 2. A 12-mil woven, reinforced high-density polyethylene liner must be used on all pits.
- 3. Surface runoff must be diverted around the drill site.
- 4. The surface hole must be drilled with fresh water.
- 5. Cement must be circulated to the ground surface on the surface casing.
- 6. If horizontally drilled:
 - A. The coordinates of the production casing shoe and the well terminus must be filed with the department.
 - B. The azimuth of the horizontal segment of the well must be filed with the department along with the results of periodic down hole surveys.
- 7. If production casing (long string) is set:
 - A. The casing and cement program as submitted with the application shall be followed.
 - B. A cement bond log must be run and filed with the department within 60 days after completion of the well as required by Administrative Rules of South Dakota 74:12:02:12.
- 8. If abandoned, a plugging plan must be submitted to the department for review and approval. The plugging plan should address all requirements found in Administrative Rules of South Dakota 74:12:03.
 - A. If production casing is left in the wellbore, a mechanical integrity test must be conducted to verify the integrity of the casing as required by Administrative Rules if South Dakota 74:12:03:02(4)(b)(ii).
 - B. The casing string must be cut off at least three feet below the final ground surface contour. A plate with the name of the operator, well name and number, and legal location by quarter-quarter section, township and range must be welded to the casing stub. The location of the abandoned well must be surveyed with high resolution global positioning system equipment or other appropriate survey methods sufficient to accurately locate the well. Survey coordinates must be included in the final abandonment report.
- 9. Surface reclamation of the site must be completed within one year of plugging and abandoning the well.
- 10. Interim reclamation must be conducted on all areas disturbed by a well drilling operation and not needed for production operations within 12 months after the well is completed in accordance with Administrative Rules of South Dakota 74:12:03:07.

11. A washed set of sample cuttings (or cores, if cut) must be shipped, free of charge, to:

Derric Iles Geological Survey Program Akeley-Lawrence Science Center University of South Dakota 414 E. Clark Street Vermillion, SD 57069-2390

12. Please notify this office prior to plugging or MIT so a witness can be on location. If plugging or MIT will occur after regular business hours, call Jeff Klenner at (605) 929-1414.