

July 30, 2024

Mr. Kade Burleson  
Continental Resources, Inc.  
PO Box 269000  
Oklahoma City, OK 73126

RE: BOHMBACH 1-35H  
SESW Sec. 35, T.153N., R.94W.  
McKenzie County, North Dakota  
Elm Tree Field  
Well File No. 18137  
**STRIPPER WELL DETERMINATION**

Dear Mr. Burleson:

Continental Resources, Inc. (Continental) filed with the North Dakota Industrial Commission – Oil and Gas Division (Commission) on July 19, 2024 an application for a Stripper Well Property Determination for the above captioned well.

Information contained in the application indicates that the above mentioned well is a property pursuant to statute and rule, and Continental has elected to designate said well as a separate property for stripper well purposes. The well produced from a well depth greater than 10,000 feet. During the qualifying period February 1, 2023 through January 31, 2024, the well produced at a maximum efficient rate or was not capable of exceeding the production threshold. The average daily production from the well was 26.9 barrels of oil per day during this period.

It is therefore determined that the above captioned well qualifies as a “Stripper Well Property” pursuant to Section 57-51.1-01 of the North Dakota Century Code. This determination is applicable only to the Bakken and Three Forks Formations in and under said property.

The Commission shall have continuing jurisdiction, and shall have the authority to review the matter, and to amend or rescind the determination if such action is supported by additional or newly discovered information. If you have any questions, do not hesitate to contact me.

Sincerely,



Stephen Fried  
Petroleum Engineer

Cc: ND Tax Department

**AUTHORIZATION TO PURCHASE AND TRANSPORT OIL FROM LEASE - FORM 8**

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5698 (03-2000)

**Received****FEB 05 2020**

RECEIVED  
JAN 21 2020  
ND OIL & GAS DIVISION

Well File No.  
**18137**

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL.

Well Name and Number <b>Bohmbach 1-35H</b>	Qtr-Qtr <b>SESW</b>	Section <b>35</b>	Township <b>153 N</b>	Range <b>94 W</b>	County <b>McKenzie</b>
Operator <b>Continental Resources, Inc.</b>	Telephone Number <b>405-234-9000</b>		Field <b>Elm Tree</b>		
Address <b>P.O. Box 268870</b>	City <b>Oklahoma City</b>		State <b>OK</b>	Zip Code <b>73126</b>	

Name of First Purchaser <b>Continental Resources, Inc.</b>	Telephone Number <b>405-234-9000</b>	% Purchased <b>100</b>	Date Effective <b>September 10, 2009</b>
Principal Place of Business <b>20 N. Broadway</b>	City <b>Oklahoma City</b>	State <b>OK</b>	Zip Code <b>73102</b>
Field Address	City	State	Zip Code
Name of Transporter <b>Bridger Pipeline, LLC</b>	Telephone Number <b>307-237-9301</b>	% Transported <b>100</b>	Date Effective <b>July 1, 2011</b>
Address <b>P. O. Drawer 2360</b>	City <b>Casper</b>	State <b>WY</b>	Zip Code <b>82602</b>
The above named producer authorizes the above named purchaser to purchase the percentage of oil stated above which is produced from the lease designated above until further notice. The oil will be transported by the above named transporter.			

Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other Transporters Transporting From This Lease	% Transported	Date Effective
Other Transporters Transporting From This Lease	% Transported	Date Effective
Comments		

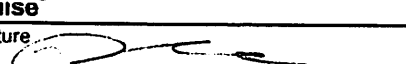
I hereby swear or affirm that all transporters of Bakken Petroleum System oil listed above implement or adhere to a tariff specification as stringent as the Commissions VPCR<sub>4</sub> requirement ☒ 13.7 psi VPCR<sub>4</sub> Tariff Specification Tariff Authority **Bridger Pipeline, LLC**

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.		Date <b>January 13, 2018</b>
Signature <i>Christi Scritchfield</i>	Printed Name <b>Christi Scritchfield</b>	Title <b>Regulatory Compliance Specialist</b>
Above Signature Witnessed By Witness Signature <i>Terry L. Olson</i>	Witness Printed Name <b>Terry L. Olson</b>	Witness Title <b>Regulatory Compliance Specialist</b>

FOR STATE USE ONLY

Date Approved <b>FEB 06 2020</b>	NDIC CTR NO <b>118137</b>
By <i>Melissa Hertz</i>	
Title <b>Oil &amp; Gas Production Analyst</b>	

# North Dakota Industrial Commission Follow-up Spill Report

API Number <b>33 - 053 - 03027</b>		Well File or Facility No. <b>18137</b>	
Operator <b>Continental Resources, Inc.</b>		Telephone Number <b>701-764-6582</b>	
Address <b>1459 Bishop Ave</b>		City <b>Killdeer</b>	State <b>ND</b>
Well Name and Number or Facility Name <b>Bohmbach 1-35H</b>		Zip Code <b>58640</b>	
Location of Well or Facility	Footages F L F L	Section <b>35</b>	Township <b>153 N</b>
		Range <b>94 W</b>	County
Description of Spill Location if not on Well or Facility Site and/or Distance and Direction from Well or Facility <b>North of the facility and to the East</b>			
Directions to Site			
Release Discovered By <b>Work Over Crew</b>	Date Release Discovered <b>April 22, 2019</b>	Time Release Discovered <b>4 : 00 PM</b>	Date Release Controlled <b>April 22, 2019</b>
Company Personnel Notified <b>Chansy Wolff</b>	How Notified <b>Phone</b>	Date Notified <b>April 23, 2019</b>	Time Notified <b>2 : 30 PM</b>
Type of Incident <b>Tank Overflow</b>	Root Cause of Release <b>Human Error</b>		Date Clean up Activities Concluded <b>August 14, 2019</b>
Distance to Nearest Residence or Occupied Building		Distance to Nearest Fresh Water Well	
Piping Specifics (If Applicable)	Size (Decimal Format) "	Type	Location of Piping
Volume of Release	Oil <b>0.50</b>	Saltwater	Other
Volume of Release Recovered	Oil <b>0.50</b>	Saltwater	Other
Was Release Contained Within Dike <b>No</b>	If No, Was Release Contained on Well Site <b>No</b>	If No, Was Release Contained on Facility Site or Pipeline ROW <b>No</b>	
Areal Extent of Release if not Within Dike <b>50 ft. by 100 ft.</b>		Affected Medium <b>Topsoil</b>	General Land Use <b>Cultivated</b>
Describe Cause of Release or Fire and Other Type of Incidents, Root Causes of Release, Land Uses, and Released Substances <b>Open top tank over flow</b>			
Action Taken to Control Release and Clean Up Action Undertaken <b>All visibly impacted material was removed</b>			
Potential Environmental Impacts <b>Well site soil and vegetation</b>			
Planned Future Action and/or Action Taken to Prevent Reoccurrence			
Where Were Recovered Liquids Disposed <b>N/A</b>		Where Were Recovered Solids Disposed <b>R360</b>	
Weather Conditions	Wind Speed <b>MPH</b>	Wind Direction	Temperature ° F
Regulatory Agencies/Others Notified <b>NDIC/NDDH</b>		Person Notified <b>Unknown</b>	Date Notified <b>April 23, 2019</b>
Fee Surface Owner <b>Fee Surface Owner</b>		Craig Keatsen	April 23, 2019
Federal Agency <b>BLM</b>		Lease Number	
USFS			
Report Originator <b>Jim Hise</b>		Title <b>Environmental Specialist</b>	Date <b>August 22, 2019</b>
Signature 		Date <b>8-22-19</b>	











**SUNDRY NOTICES AND REPORTS ON WELLS - FORM 4**

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5749 (09-2006)

**RECEIVED****MAY 16 2019****OIL & GAS DIVISION**

Well File No.

**18137**

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND ONE COPY.

<input type="checkbox"/> Notice of Intent	Approximate Start Date
<input checked="" type="checkbox"/> Report of Work Done	Date Work Completed <b>March 29, 2019</b>
<input type="checkbox"/> Notice of Intent to Begin a Workover Project that may Qualify for a Tax Exemption Pursuant to NDCC Section 57-51.1-03.	Approximate Start Date

<input type="checkbox"/> Drilling Prognosis	<input type="checkbox"/> Spill Report
<input type="checkbox"/> Redrilling or Repair	<input type="checkbox"/> Shooting
<input type="checkbox"/> Casing or Liner	<input type="checkbox"/> Acidizing
<input type="checkbox"/> Plug Well	<input type="checkbox"/> Fracture Treatment
<input type="checkbox"/> Supplemental History	<input checked="" type="checkbox"/> Change Production Method
<input type="checkbox"/> Temporarily Abandon	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Other	

Well Name and Number <b>Bohmbach 1-35H</b>					
Footages		Qtr-Qtr	Section	Township	Range
<b>200 F S L 1320 F W L</b>		<b>SESW</b>	<b>35</b>	<b>153 N</b>	<b>94 W</b>
Field <b>Elm Tree</b>		Pool <b>Bakken</b>		County <b>McKenzie</b>	

24-HOUR PRODUCTION RATE			
Before		After	
Oil	Bbls	Oil	Bbls
Water	Bbls	Water	Bbls
Gas	MCF	Gas	MCF

Name of Contractor(s)			
Address	City	State	Zip Code

**DETAILS OF WORK**

Continental Resources, Inc., requests changing the Bohmbach 1-35H from flowing to a rod pump. The date of the change was 3/29/2019. The 2 7/8" L-80 tubing was set at 10,368.7'. Pump size is 2 7/8" X 1 1/2" X 17'.

Company <b>Continental Resources, Inc.</b>		Telephone Number <b>405-234-9000</b>	
Address <b>P.O. Box 268870</b>			
City <b>Oklahoma City</b>		State <b>OK</b>	Zip Code <b>73126</b>
Signature <i>Becky Barnes</i>		Printed Name <b>Becky Barnes</b>	
Title <b>Regulatory Compliance Specialist</b>		Date <b>May 9, 2019</b>	
Email Address <b>becky.barnes@clr.com</b>			

**FOR STATE USE ONLY**

<input checked="" type="checkbox"/> Received	<input type="checkbox"/> Approved
Date <b>5-28-19</b>	
By <b>RHONDA FISHER</b>	
Title <b>Engineering Technician</b>	

**SUNDRY NOTICES AND REPORTS ON WELLS - FORM 4**

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5749 (09-2006)

JUL 3 1 2018

Well File No.  
**18137**

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND ONE COPY.

<input type="checkbox"/> Notice of Intent	Approximate Start Date
<input checked="" type="checkbox"/> Report of Work Done	Date Work Completed <b>June 21, 2018</b>
<input type="checkbox"/> Notice of Intent to Begin a Workover Project that may Qualify for a Tax Exemption Pursuant to NDCC Section 57-51.1-03.	Approximate Start Date

<input type="checkbox"/> Drilling Prognosis	<input type="checkbox"/> Spill Report
<input type="checkbox"/> Redrilling or Repair	<input type="checkbox"/> Shooting
<input type="checkbox"/> Casing or Liner	<input type="checkbox"/> Acidizing
<input type="checkbox"/> Plug Well	<input type="checkbox"/> Fracture Treatment
<input type="checkbox"/> Supplemental History	<input checked="" type="checkbox"/> Change Production Method
<input type="checkbox"/> Temporarily Abandon	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Other	

Well Name and Number <b>Bohmbach 1-35H</b>					
Footages		Qtr-Qtr	Section	Township	Range
<b>200 F S L 1320 F W L</b>		<b>SESW</b>	<b>35</b>	<b>153 N</b>	<b>94 W</b>
Field <b>Elm Tree</b>		Pool <b>Bakken</b>		County <b>McKenzie</b>	

24-HOUR PRODUCTION RATE			
Before		After	
Oil	Bbbs	Oil	Bbbs
Water	Bbbs	Water	Bbbs
Gas	MCF	Gas	MCF

Name of Contractor(s)			
Address	City	State	Zip Code

**DETAILS OF WORK**

Continental Resources, Inc., requests changing the Bohmbach 1-35H from a rod pump to flowing. The date of the change was June 21, 2018.

Company <b>Continental Resources, Inc.</b>		Telephone Number <b>405-234-9000</b>	
Address <b>P.O. Box 268870</b>			
City <b>Oklahoma City</b>		State <b>OK</b>	Zip Code <b>73126</b>
Signature 		Printed Name <b>Terry L. Olson</b>	
Title <b>Regulatory Compliance Specialist</b>		Date <b>July 26, 2018</b>	
Email Address <b>Terry.Olson@clr.com</b>			

FOR STATE USE ONLY	
<input checked="" type="checkbox"/> Received	<input type="checkbox"/> Approved
Date <b>9-10-18</b>	
By 	
Title <b>RHONDA REUTHER</b> <b>Engineering Technician</b>	

**SUNDRY NOTICES AND REPORTS ON WELLS - FORM 4**

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5749 (09-2006)



Well File No.  
**18137**

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND ONE COPY.

<input type="checkbox"/> Notice of Intent	Approximate Start Date
<input checked="" type="checkbox"/> Report of Work Done	Date Work Completed <b>October 1, 2010</b>
<input type="checkbox"/> Notice of Intent to Begin a Workover Project that may Qualify for a Tax Exemption Pursuant to NDCC Section 57-51.1-03.	Approximate Start Date

<input type="checkbox"/> Drilling Prognosis	<input type="checkbox"/> Spill Report
<input type="checkbox"/> Redrilling or Repair	<input type="checkbox"/> Shooting
<input type="checkbox"/> Casing or Liner	<input type="checkbox"/> Acidizing
<input type="checkbox"/> Plug Well	<input type="checkbox"/> Fracture Treatment
<input type="checkbox"/> Supplemental History	<input checked="" type="checkbox"/> Change Production Method
<input type="checkbox"/> Temporarily Abandon	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Other	

Well Name and Number <b>Bohmbach 1-35H</b>					
Footages		Qtr-Qtr	Section	Township	Range
<b>200 F S L 1320 F W L</b>		<b>SESW</b>	<b>35</b>	<b>153 N</b>	<b>94 W</b>
Field <b>Elm Tree</b>		Pool <b>Bakken</b>		County <b>McKenzie</b>	

24-HOUR PRODUCTION RATE			
Before		After	
Oil	Bbls	Oil	Bbls
Water	Bbls	Water	Bbls
Gas	MCF	Gas	MCF

Name of Contractor(s)			
Address	City	State	Zip Code

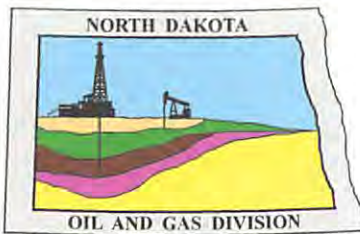
**DETAILS OF WORK**

Continental Resources, Inc., requests changing the Bohmbach 1-35H from flowing to a rod pump. The date of the change was October 1, 2010. The 2 7/8" L-80 tubing was set at 10,330'. Pump size is 2 1/2" X 1 3/4" X 24'.

Company <b>Continental Resources, Inc.</b>		Telephone Number <b>405-234-9000</b>	
Address <b>P.O. Box 268870</b>			
City <b>Oklahoma City</b>		State <b>OK</b>	Zip Code <b>73126</b>
Signature 		Printed Name <b>Terry L. Olson</b>	
Title <b>Regulatory Compliance Specialist</b>		Date <b>August 14, 2017</b>	
Email Address <b>Terry.Olson@clr.com</b>			

FOR STATE USE ONLY	
<input checked="" type="checkbox"/> Received	<input type="checkbox"/> Approved
Date	<b>9-21-2017</b>
By	
Title	<b>JARED THUNE</b> Engineering Technician





# Oil and Gas Division

Lynn D. Helms - Director

Bruce E. Hicks - Assistant Director

## Department of Mineral Resources

Lynn D. Helms - Director

## North Dakota Industrial Commission

[www.dmr.nd.gov/oilgas/](http://www.dmr.nd.gov/oilgas/)

August 4, 2017

CONTINENTAL RESOURCES  
ATTENTION: BOB SANDBO  
P.O. BOX 268870  
OKLAHOMA CITY, OK 73126

RE:

BOHMBACH 1-35H  
SESW 35-153N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 18137

HENDRICKSON 1-36H  
SW SW 36-153N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 18224

ROLLEFSTAD 2-3H  
NW NW 3-152N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 18909

BOHMBACH 2-35H  
SW SW 35-153N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 18911

MACK 2-2H  
NW NW 2-152N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 19115

QUALE 1-1H  
LOT 4 1-152N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 19232

HENDRICKSON 2-36H  
SW SW 36-153N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 19279

MACK 3-2H  
LOT 3 2-152N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 20623

MACK 4-2H  
NWNE 2-152N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 21152

HARMS 2-32H  
SE SW 32-153N-93W  
MCKENZIE COUNTY  
WELL FILE NO.: 22817

MACK 6-2H  
LOT 1 2-152N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 24358

MACK 7-2H  
LOT 1 2-152N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 24359

MACK 11-2H1  
LOT 3 2-152N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 26630

MACK 8-2H  
LOT 3 2-152N-94W  
MCKENZIE COUNTY  
WELL FILE NO.: 26633

Dear Bob Sandbo:


A Sundry notice (Form 4) is needed for the above wells, detailing the changeover from flowing to well now on rod pump. If you have any questions, feel free to contact our office.

Sincerely,

Tom Delling  
Petroleum Engineer - Field Inspector

TKD/SLS/RLR

# North Dakota Industrial Commission Follow-up Spill Report

API Number <b>33 - -</b>		Well File or Facility No. <b>18137</b>	
Operator <b>Continental Resources Inc.</b>		Telephone Number <b>(701) 764-6702</b>	
Address <b>P.O. Box 268835</b>		City <b>Oklahoma City</b>	State <b>OK</b>
Well Name and Number or Facility Name <b>Bohmbach 1-35H</b>		Zip Code <b>73126</b>	
Field <b>Elm Tree</b>			
Location of Well or Facility	Footages F L F L	Qtr-Qtr <b>SWSW</b>	Section <b>35</b>
		Township <b>153 N</b>	Range <b>94 W</b>
		County <b>McKenzie</b>	
Description of Spill Location if not on Well or Facility Site and/or Distance and Direction from Well or Facility			
Directions to Site			
Release Discovered By <b>XTO flow tester</b>	Date Release Discovered <b>February 10, 2016</b>	Time Release Discovered <b>9 : 30 PM</b>	Date Release Controlled <b>February 10, 2016</b>
			Time Release Controlled <b>11 : 50 PM</b>
Company Personnel Notified <b>Tim Butts</b>	How Notified <b>telephone</b>	Date Notified <b>February 10, 2016</b>	Time Notified <b>9 : 05 AM</b>
Type of Incident <b>Fire</b>	Root Cause of Release <b>Equipment Failure/Malfunction</b>		Date Clean up Activities Concluded <b>March 1, 2016</b>
Distance to Nearest Residence or Occupied Building		Distance to Nearest Fresh Water Well	
Piping Specifics (If Applicable)	Size (Decimal Format) "	Type	Location of Piping
Volume of Release	Oil <b>25.50 Barrels</b>	Saltwater	Other
Volume of Release Recovered	Oil <b>25.50 Barrels</b>	Saltwater	Other
Was Release Contained Within Dike <b>No</b>	If No, Was Release Contained on Well Site <b>Yes</b>	If No, Was Release Contained on Facility Site or Pipeline ROW <b>No</b>	
Areal Extent of Release if not Within Dike <b>95' X 75' area on lease north of the treaters</b>		Affected Medium <b>Well/Facility Soil</b>	General Land Use <b>Well/Facility Site</b>
Describe Cause of Release or Fire and Other Type of Incidents, Root Causes of Release, Land Uses, and Released Substances <b>A flare line leak is believed to have been ignited by a treater fire tube burner. During the fire, approx. 0.5 bbls of oil was misted on the lease north of the fire. During the investigation and cleanup, it was discovered that approx. 25 bbls more of oil had leaked inside of containment and soaked into the ground.</b>			
Action Taken to Control Release and Clean Up Action Undertaken <b>Treater equipment isolated, fire extinguished, gas sales line shut in. Misted grass on lease mowed &amp; bagged, contaminated soil removed. Boom was placed downhill of the release area to prevent any potential spreading prior to cleanup. White paper tests done to confirm no oil misted off lease.</b>			
Potential Environmental Impacts <b>location soil</b>			
Planned Future Action and/or Action Taken to Prevent Reoccurrence <b>Investigation team determined that the gas leak source was a dried out groove coupling rubber and recommended that the integrity of other such couplings in service be verified.</b>			
Where Were Recovered Liquids Disposed		Where Were Recovered Solids Disposed <b>Secure Energy</b>	
Weather Conditions	Wind Speed <b>MPH</b>	Wind Direction	Temperature ° F
		Skies	Estimated Cleanup Cost <b>\$ 35,000.00</b>
			Damage Value <b>\$ 52,000.00</b>
Regulatory Agencies/Others Notified <b>NDIC/NDDH</b>	Person Notified <b>Sam Skurupey</b>	Date Notified <b>February 11, 2016</b>	Time Notified <b>10 : 45 AM</b>
Fee Surface Owner <b>NDDH</b>			Notified By <b>Todd Senescall</b>
Federal Agency <b>BLM</b>	Lease Number <b>Eric Sjursen</b>		
		<b>March 23, 2016</b>	<b>12 : 30 PM</b>
			<b>Travis Simnioniw</b>
Report Originator <b>Todd Senescall</b>	Title <b>Senior Environmental Specialist</b>	Date <b>April 1, 2016</b>	
Signature 		Date <b>4-1-16</b>	



Industrial Commission of North Dakota  
Oil and Gas Division  
Spill / Incident Report

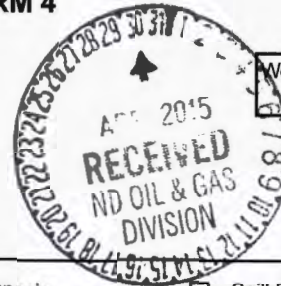
Date/Time Reported : Feb 11 2016 / 18:06  
State Agency person :  
Responsible Party : CONTINENTAL RESOURCES, INC.  
Well Operator : CONTINENTAL RESOURCES, INC.  
Date/Time of Incident : 2/10/2016 12:00:00 AM  
NDIC File Number : 18137  
Facility Number :  
Well or Facility Name : BOHMBACH 1-35H  
Type of Incident : Fire  
Field Name : ELM TREE  
County : MCKENZIE  
Section : 35  
Township : 153  
Range : 94  
Quarter-Quarter :  
Quarter :  
Distance to nearest residence :  
Distance to nearest water well :  
Release Oil : 0.5 Barrels  
Release Brine :  
Release Other :  
Recovered Oil :  
Recovered Brine :  
Recovered Other :  
Has/Will the incident be reported to the NRC? : No  
Was release contained : Yes - on Facility Site  
Description of other released substance :

Immediate risk evaluation : explosion  
Followup Report Requested Y/N : N



# SUNDRY NOTICES AND REPORTS ON WELLS - FORM 4

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5749 (09-2006)



Well File No.

18137

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND ONE COPY.

<input checked="" type="checkbox"/> Notice of Intent	Approximate Start Date <b>May 1, 2015</b>	<input type="checkbox"/> Drilling Prognosis	<input type="checkbox"/> Spill Report
<input type="checkbox"/> Report of Work Done	Date Work Completed	<input type="checkbox"/> Redrilling or Repair	<input type="checkbox"/> Shooting
<input type="checkbox"/> Notice of Intent to Begin a Workover Project that may Qualify for a Tax Exemption Pursuant to NDCC Section 57-51.1-03.	Approximate Start Date	<input type="checkbox"/> Casing or Liner	<input type="checkbox"/> Acidizing
		<input type="checkbox"/> Plug Well	<input type="checkbox"/> Fracture Treatment
		<input type="checkbox"/> Supplemental History	<input type="checkbox"/> Change Production Method
		<input type="checkbox"/> Temporarily Abandon	<input checked="" type="checkbox"/> Reclamation
		<input type="checkbox"/> Other	

Well Name and Number <b>Bohmbach 1-35H</b>					
Footages		Qtr-Qtr	Section	Township	Range
<b>200 F S L 1320 F W L</b>		<b>SWSW</b>	<b>35</b>	<b>153 N</b>	<b>94 W</b>
Field	Pool	County			
<b>Elm Tree</b>	<b>Bakken</b>	<b>McKenzie</b>			

24-HOUR PRODUCTION RATE			
Before		After	
Oil	Bbls	Oil	Bbls
Water	Bbls	Water	Bbls
Gas	MCF	Gas	MCF

Name of Contractor(s) <b>Arnt Construction Company, Inc.</b>			
Address	City	State	Zip Code
<b>2190 Phelps Road</b>	<b>Hugo</b>	<b>Minnesota</b>	<b>55038</b>

## DETAILS OF WORK

Continental Resources, Inc. requests permission to do the following reclamation work:

Build dike around location, fix drainages, pick rock and re-seed.

Clean ditches and establish drainage, blade and roll location and lease road, pick rocks and place.

Company <b>Continental Resources</b>		Telephone Number <b>(405) 234-9000</b>	
Address <b>P.O. Box 268870</b>			
City <b>Oklahoma City</b>		State <b>OK</b>	Zip Code <b>73126</b>
Signature 	Printed Name <b>Zach Green</b>		
Title <b>Regulatory Specialist</b>	Date <b>April 24, 2015</b>		
Email Address <b>Zach.Green@clr.com</b>			

## FOR STATE USE ONLY

<input type="checkbox"/> Received	<input checked="" type="checkbox"/> Approved
Date <b>5-13-15</b>	
By 	
Title 	



Industrial Commission of North Dakota  
Oil and Gas Division  
Spill / Incident Report

Date/Time Reported : Jun 9 2012 / 12:48  
State Agency person :  
Responsible Party :  
Well Operator : CONTINENTAL RESOURCES, INC.  
Date/Time of Incident : 6/8/2012 12:00:00 AM  
NDIC File Number : 18137  
Facility Number :  
Well or Facility Name : BOHMBACH 1-35H  
Field Name : ELM TREE  
County : MCKENZIE  
Section : 35  
Township : 153  
Range : 94  
Quarter-Quarter : SE  
Quarter : SW  
Distance to nearest residence :  
Distance to nearest water well :  
Release Oil : 35 barrels  
Release Brine : 0 barrels  
Release Other : 0 barrels  
Recovered Oil : 35 barrels  
Recovered Brine : 0 barrels  
Recovered Other : 0 barrels  
Has/Will the incident be reported to the NRC? : No  
Was release contained : Yes - On Constructed Well Site  
Description of other released substance :  
  
Immediate risk evaluation : None.  
Followup Report Requested Y/N : N



# AUTHORIZATION TO PURCHASE AND TRANSPORT OIL FROM LEASE - FORM 8

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5698 (03-2000)



Well File No. <b>18137</b>
NDIC CTB No. <b>118137</b>

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND FOUR COPIES.

Well Name and Number <b>Bohmbach 1-35H</b>	Quarter <b>SESW</b>	Section <b>35</b>	Township <b>153 N</b>	Range <b>94 W</b>	County <b>McKenzie</b>
Operator <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>	Field <b>Elm Tree</b>			
Address <b>P.O. Box 1032</b>	City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>		

Name of First Purchaser <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>	% Purchased <b>100</b>	Date Effective <b>September 10, 2009</b>	
Principal Place of Business <b>P.O. Box 1032</b>	City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>	
Field Address	City	State	Zip Code	

Name of Transporter <b>MBI Energy Logistics, LLC</b>	Telephone Number <b>701-575-8242</b>	% Transported	Date Effective <b>December 1, 2011</b>	
Address <b>P.O. Box 458</b>	City <b>Williston</b>	State <b>ND</b>	Zip Code <b>58801</b>	

The above named producer authorizes the above named purchaser to purchase the percentage of oil stated above which is produced from the lease designated above until further notice. The oil will be transported by the above named transporter.

Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other Transporters Transporting From This Lease <b>Powerline Transport LLC</b>	% Transported	Date Effective <b>July 1, 2011</b>
Other Transporters Transporting From This Lease <b>Deer Valley Trucking</b>	% Transported	Date Effective <b>July 1, 2011</b>
Comments <b>Badlands Power Fuels - July 1, 2011</b> <b>LT Enterprises - July 1, 2011</b> <b>Hoffman Trucking - July 1, 2011</b> <b>RD Midwest - July 1, 2011</b>		

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.		Date <b>January 11, 2012</b>
Signature <i>Nicole Caddell</i>	Printed Name <b>Nicole Caddell</b>	Title <b>Regulatory Compliance Specialist</b>

Above Signature Witnessed By		
Witness Signature <i>Terry Olson</i>	Witness Printed Name <b>Terry Olson</b>	Witness Title <b>Regulatory Compliance Specialist</b>

## FOR STATE USE ONLY

Date Approved <b>FEB - 8 2012</b>
By <i>Erie Robinson</i>
Title <b>Oil &amp; Gas Production Analyst</b>





# AUTHORIZATION TO PURCHASE AND TRANSPORT OIL FROM LEASE - FORM 8

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5698 (03-2000)



Well File No.
<b>18137</b>
NDIC CTB No.
<b>118137</b>

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.

PLEASE SUBMIT THE ORIGINAL AND FOUR COPIES.

Well Name and Number <b>Bohmbach 1-35H</b>	Qtr-Qtr <b>SESW</b>	Section <b>35</b>	Township <b>153 N</b>	Range <b>94 W</b>	County <b>McKenzie</b>
Operator <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>	Field <b>Elm Tree</b>			
Address <b>P.O. Box 1032</b>	City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>		

Name of First Purchaser <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>	% Purchased <b>100</b>	Date Effective <b>September 10, 2009</b>
Principal Place of Business <b>P.O. Box 1032</b>	City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>
Field Address	City	State	Zip Code

Name of Transporter <b>Deer Valley Trucking</b>	Telephone Number <b>701-580-1777</b>	% Transported	Date Effective <b>July 1, 2011</b>
Address <b>115 2nd Ave. W #104</b>	City <b>Williston</b>	State <b>ND</b>	Zip Code <b>58801</b>

The above named producer authorizes the above named purchaser to purchase the percentage of oil stated above which is produced from the lease designated above until further notice. The oil will be transported by the above named transporter.

Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other Transporters Transporting From This Lease <b>Powerline Transport LLC</b>	% Transported	Date Effective <b>July 1, 2011</b>
Other Transporters Transporting From This Lease <b>Missouri Basin</b>	% Transported	Date Effective <b>July 1, 2011</b>
Comments <b>Badlands Power Fuels - July 1, 2011</b> <b>LT Enterprises - July 1, 2011</b> <b>Hoffman Trucking - July 1, 2011</b> <b>RD Midwest - July 1, 2011</b>		

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.		Date <b>October 10, 2011</b>
Signature <i>Pam Combest</i>	Printed Name <b>Pam Combest</b>	Title <b>Regulatory Compliance Specialist</b>

Above Signature Witnessed By		
Witness Signature <i>Becky Barnes</i>	Witness Printed Name <b>Becky Barnes</b>	Witness Title <b>Regulatory Compliance Specialist</b>

## FOR STATE USE ONLY

Date Approved <b>OCT 21 2011</b>
By <i>Annatta Feltzer</i>
Title <b>Oil &amp; Gas Production Analyst</b>



# AUTHORIZATION TO PURCHASE AND TRANSPORT OIL FROM LEASE - FORM 8

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5698 (03-2000)



Well File No. <b>18137</b>
NDIC CTB No. <b>118137</b>

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND FOUR COPIES.

Well Name and Number <b>Bohmbach 1-35H</b>	Qtr-Qtr <b>SESW</b>	Section <b>35</b>	Township <b>153 N</b>	Range <b>94 W</b>	County <b>McKenzie</b>
Operator <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>	Field <b>Elm Tree</b>			
Address <b>P.O. Box 1032</b>	City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>		

Name of First Purchaser <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>	% Purchased <b>100</b>	Date Effective <b>September 10, 2009</b>	
Principal Place of Business <b>Continental Resources, Inc.</b>	City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>	
Field Address <b>P.O. Box 1032</b>	City	State	Zip Code	
Name of Transporter <b>Deer Valley Trucking</b>	Telephone Number <b>701-580-1777</b>	% Transported <b>50%</b>	Date Effective <b>July 1, 2011</b>	
Address <b>115 2nd Ave. W #104</b>	City <b>Williston</b>	State <b>ND</b>	Zip Code <b>58801</b>	
The above named producer authorizes the above named purchaser to purchase the percentage of oil stated above which is produced from the lease designated above until further notice. The oil will be transported by the above named transporter.				

Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other Transporters Transporting From This Lease <b>Powerline Transport LLC</b>	% Transported <b>50%</b>	Date Effective <b>July 1, 2011</b>
Other Transporters Transporting From This Lease	% Transported	Date Effective
Comments		

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.		Date <b>October 3, 2011</b>
Signature <i>Pam Combest</i>	Printed Name <b>Pam Combest</b>	Title <b>Regulatory Compliance Specialist</b>
Above Signature Witnessed By		
Witness Signature <i>Becky Barnes</i>	Witness Printed Name <b>Becky Barnes</b>	Witness Title <b>Regulatory Compliance Specialist</b>

FOR STATE USE ONLY	
Date Approved <b>OCT 12 2011</b>	
By <i>Annette Frutiger</i>	
Title <b>Oil &amp; Gas Production Analyst</b>	



**AUTHORIZATION TO PURCHASE AND TRANSPORT OIL FROM LEASE - FORM 8**

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5698 (03-2000)

Well File No. <b>18137</b>
NDIC CTB No. <b>118137</b>

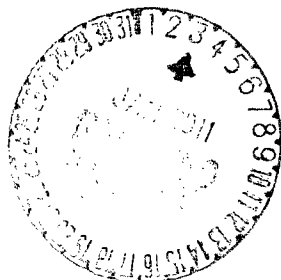
PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND FOUR COPIES.

Well Name and Number <b>Bohmbach 1-35H</b>	Qtr-Qtr <b>SESW</b>	Section <b>35</b>	Township <b>153 N</b>	Range <b>94 W</b>	County <b>McKenzie</b>
Operator <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>	Field <b>Elm Tree</b>			
Address <b>P.O. Box 1032</b>	City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>		

Name of First Purchaser <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>	% Purchased <b>100</b>	Date Effective <b>September 10, 2009</b>
Principal Place of Business <b>Continental Resources, Inc.</b>	City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>
Field Address <b>P.O. Box 1032</b>	City	State	Zip Code
Name of Transporter <b>Deer Valley Trucking</b>	Telephone Number <b>701-580-1777</b>	% Transported <b>100</b>	Date Effective <b>December 28, 2010</b>
Address <b>115 2nd Ave. W #104</b>	City <b>Williston</b>	State <b>ND</b>	Zip Code <b>58801</b>
The above named producer authorizes the above named purchaser to purchase the percentage of oil stated above which is produced from the lease designated above until further notice. The oil will be transported by the above named transporter.			

Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other Transporters Transporting From This Lease	% Transported	Date Effective
Other Transporters Transporting From This Lease	% Transported	Date Effective
Comments		

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.		Date <b>December 28, 2010</b>
Signature <i>Becky Barnes</i>	Printed Name <b>Becky Barnes</b>	Title <b>Regulatory Compliance Specialist</b>
Above Signature Witnessed By		
Witness Signature <i>Nicole Caddell</i>	Witness Printed Name <b>Nicole Caddell</b>	Witness Title <b>Regulatory Compliance Specialist</b>

**FOR STATE USE ONLY**

Date Approved <b>1-6-11</b>
By <i>Annatta [Signature]</i>
Title <b>Oil &amp; Gas Reg. Analyst</b>



# WELL COMPLETION OR RECOMPLETION REPORT - FORM 6

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 2468 (04-2009)



Well File No.  
**18137**

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.

PLEASE SUBMIT THE ORIGINAL AND ONE COPY.

Designate Type of Completion			
<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> EOR Well	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Deepened Well
<input type="checkbox"/> Gas Well	<input type="checkbox"/> SWD Well	<input type="checkbox"/> Water Supply Well	<input type="checkbox"/> Other:
Well Name and Number <b>Bohmbach 1-35H</b>		Spacing Unit Description <b>Sec 26 &amp; 35-153N-95W</b>	
Operator <b>Continental Resources, Inc.</b>		Telephone Number <b>580-233-8955</b>	Field <b>Elm Tree</b>
Address <b>P.O. Box 1032</b>		Pool <b>Bakken</b>	
City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>	Permit Type <input type="checkbox"/> Wildcat <input checked="" type="checkbox"/> Development <input type="checkbox"/> Extension

## LOCATION OF WELL

At Surface <b>200 F S L 1320 F W L</b>	Qtr-Qtr <b>SESW</b>	Section <b>35</b>	Township <b>153 N</b>	Range <b>94 W</b>	County <b>McKenzie</b>
Spud Date <b>5/24/2009</b>	Date TD Reached <b>6/12/2009</b>	Drilling Contractor and Rig Number <b>Patterson UTI 180</b>	KB Elevation (Ft) <b>2176</b>	Graded Elevation (Ft) <b>2156</b>	
Type of Electric and Other Logs Run (See Instructions) <b>CBL/VDL/GR/40 ARM/Caliper Log</b>					

## CASING & TUBULARS RECORD (Report all strings set in well)

Well Bore	String Type	Size (Inch)	Top Set (MD Ft)	Depth Set (MD Ft)	Hole Size (Inch)	Weight (Lbs/Ft)	Anchor Set (MD Ft)	Packer Set (MD Ft)	Sacks Cement	Top of Cement
	Conductor	16		60	20				8.5 yds	
	Surface	9 5/8		1870	13 1/2	36#			620	
	Intermediate	7		11145	8 3/4	26-32#			1295	1760
	Liner	4 1/2	10432	20196	6	11.6#				

## PERFORATION & OPEN HOLE INTERVALS

Well Bore	Well Bore TD Drillers Depth (MD Ft)	Completion Type	Open Hole/Perforated Interval (MD,Ft) Top Bottom	Kick-off Point (MD Ft)	Top of Casing Window (MD Ft)	Date Perf'd or Drilled	Date Isolated	Isolation Method	Sacks Cement
Lateral 1	20196	Perforations	11145 20196	10490	1760	6/15/2009			

## PRODUCTION

Current Producing Open Hole or Perforated Interval(s), This Completion, Top and Bottom, (MD Ft) <b>Bakken 11,145/20,196</b>						Name of Zone (If Different from Pool Name) <b>Three Forks</b>				
Date of First Production Through Permanent Wellhead <b>7/11/2009</b>			Producing Method <b>Flowing</b>		Pumping-Size & Type of Pump			Well Status (Producing or Shut-In) <b>Producing</b>		
Date of Test <b>7/27/2009</b>	Hours Tested <b>24</b>	Choke Size <b>16 /64</b>	Production for Test		Oil (Bbls) <b>472</b>	Gas (MCF) <b>432</b>	Water (Bbls) <b>88</b>	Oil Gravity-API (Corr.) <b>43.7 °</b>	Disposition of Gas <b>Flared</b>	
Flowing Tubing Pressure (PSI) <b>1100</b>		Flowing Casing Pressure (PSI) <b>0</b>		Calculated 24-Hour Rate	Oil (Bbls) <b>472</b>	Gas (MCF) <b>432</b>	Water (Bbls) <b>88</b>	Gas-Oil Ratio <b>915</b>		



## GEOLOGICAL MARKERS

[illegible]

## PLUG BACK INFORMATION

[illegible]

## CORES CUT

Top (Ft)	Bottom (Ft)	Formation	Top (Ft)	Bottom (Ft)	Formation

## Drill Stem Test

Test Date	Formation	Top (Ft)	Bottom (Ft)	BH Temp (°F)	CL ppm	H2S ppm	Shut-in 1 (PSIG)	Shut-in 2 (PSIG)
Drill Pipe Recovery								
Sample Chamber Recovery								
Test Date	Formation	Top (Ft)	Bottom (Ft)	BH Temp (°F)	CL ppm	H2S ppm	Shut-in 1 (PSIG)	Shut-in 2 (PSIG)
Drill Pipe Recovery								
Sample Chamber Recovery								
Test Date	Formation	Top (Ft)	Bottom (Ft)	BH Temp (°F)	CL ppm	H2S ppm	Shut-in 1 (PSIG)	Shut-in 2 (PSIG)
Drill Pipe Recovery								
Sample Chamber Recovery								
Test Date	Formation	Top (Ft)	Bottom (Ft)	BH Temp (°F)	CL ppm	H2S ppm	Shut-in 1 (PSIG)	Shut-in 2 (PSIG)
Drill Pipe Recovery								
Sample Chamber Recovery								
Test Date	Formation	Top (Ft)	Bottom (Ft)	BH Temp (°F)	CL ppm	H2S ppm	Shut-in 1 (PSIG)	Shut-in 2 (PSIG)
Drill Pipe Recovery								
Sample Chamber Recovery								
Test Date	Formation	Top (Ft)	Bottom (Ft)	BH Temp (°F)	CL ppm	H2S ppm	Shut-in 1 (PSIG)	Shut-in 2 (PSIG)
Drill Pipe Recovery								
Sample Chamber Recovery								

### Well Specific Stimulations

Date Stimulated <b>7/8/2009</b>	Stimulated Formation <b>Three Forks</b>	Top (Ft) <b>11245</b>	Bottom (Ft) <b>20196</b>	Stimulated In <b>Cased Hole</b>	Volume <b>686040</b>	Volume Units <b>Gallons</b>
Type Treatment <b>Sand Frac</b>	Acid %	Lbs Proppant <b>372540</b>	Maximum Treatment Pressure (PSI) <b>9300</b>		Maximum Treatment Rate (BBLs/Min) <b>50.0</b>	
Details <b>356,336 Gallons of linear also used to Frac.</b>						

Date Stimulated	Stimulated Formation	Top (Ft)	Bottom (Ft)	Stimulated In	Volume	Volume Units
Type Treatment	Acid %	Lbs Proppant	Maximum Treatment Pressure (PSI)		Maximum Treatment Rate (BBLs/Min)	
Details						

Date Stimulated	Stimulated Formation	Top (Ft)	Bottom (Ft)	Stimulated In	Volume	Volume Units
Type Treatment	Acid %	Lbs Proppant	Maximum Treatment Pressure (PSI)		Maximum Treatment Rate (BBLs/Min)	
Details						


Date Stimulated	Stimulated Formation	Top (Ft)	Bottom (Ft)	Stimulated In	Volume	Volume Units
Type Treatment	Acid %	Lbs Proppant	Maximum Treatment Pressure (PSI)		Maximum Treatment Rate (BBLs/Min)	
Details						

Date Stimulated	Stimulated Formation	Top (Ft)	Bottom (Ft)	Stimulated In	Volume	Volume Units
Type Treatment	Acid %	Lbs Proppant	Maximum Treatment Pressure (PSI)		Maximum Treatment Rate (BBLs/Min)	
Details						

### ADDITIONAL INFORMATION AND/OR LIST OF ATTACHMENTS

--	--	--

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.	Email Address nicolecaddell@contres.com	Date 8/19/2009
Signature 	Printed Name <b>Nicole Caddell</b>	Title <b>Regulatory Compliance Specialist</b>



# CONTINENTAL RESOURCES, INC.

## BOHMBACH 1-35H



Section 26 & 35 – 153N – 94W  
McKENZIE COUNTY, NORTH DAKOTA  
GL: 2156' KB: 2176'

Michael Haugen  
Tooke Rockies  
Dickinson, ND 58601

WELL NAME:	Bohmbach 1-35H
OPERATOR:	Continental Resources, Inc.
SURFACE LOCATION:	200' FNL & 1320' FWL Sec. 35 – 153N – 94W
BOTTOM HOLE LOCATION:	886' FNL & 1322' FWL Sec. 26 – 153N – 94W
FIELD/AREA:	ANTELOUPE
COUNTY:	McKenzie
STATE:	ND
API #:	33 – 053 – 03027
ELEVATION:	GL: 2156'            KB: 2176'
SPUD:	May 24, 2009
Total Days:	19
Total Depth:	20196
HOLE DATA:	
Kick-off Point:	10490' MD
CONTRACTORS:	Patterson #180
GEOLOGIST:	Michael Haugen
DIRECTIONAL DRILLING:	Professional Directional LTD
MWD SERVICES:	Professional Directional LTD
MUDLOGGING SERVICES:	Tooke Rockies

## **Vertical and Build Sections**

Mud logging began on May 28, 2009 at 8400' MD in the Top Charles Salt formation. The Base of Last Charles Salt came in at 9144' MD which was 23' lower than the prognosis. The following markers came in at these points: False Bakken Shale at 10804' MD and at a TVD of 10759; Bakken Shale at 10808' MD and at a TVD of 10770; Middle Bakken at 10830' MD and at a TVD of 10790; Lower Bakken at 10928' MD and at a TVD of 10848'. These markers indicated that the target TVD would have to be lowered around 20'. The target TVD was adjusted to 10900' which was 22' lower than the prognosis. The well bore entered the target area of the Three Forks on June 3, 2009 at a measured depth of 11044' and a TVD of 10900'. Casing was then set. Gas shows during the build section were highest when reaching the false bakken shale at 1600 units and diminished to around 600 units upon entering the three forks. Oil shows were indistinguishable due to the use of invert in the drilling process.

## **Horizontal**

On June 5, 2009, drilling commenced on the lateral wellbore with salt water brine in a northern direction with a target azimuth of 359.91°. The wellbore was landed in the top portion of the target and was drilled out of casing with inclination of 89°, drilling down in section. The formation dipped up slightly with a TVD of 10889.16 at target destination.

Overall, the majority of the well was drilled in the target zone. Samples were mostly composed of a clean dolomite with interbedded blue/green shale. There were 10% oil shows through out the well and up to 50% oil shows in the drilling fluid. Gas shows averaged around 920 units while running through the gas buster. A 20-30' flare was observed consistently with constant backside pressure. The well reached TD on June 11, 2009 at and MD of 20196' and a TVD of 10889.16'. After reaching TD, the well was flowing heavily with high gas readings. 13.1 mud weight was used to impede the flow and gas build ups so the production liner could be installed.



## Lithology

**False Bakken Shale      10804' MD & 10759' TVD**

**Upper Bakken Shale      10808' MD & 10770' TVD**

**Middle Bakken            10830' MD & 10790' TVD**

**Lower Bakken            10928' MD & 10848' TVD**

**Three Forks              11044' MD & 10887' TVD**

11000-11200      Dolomite- medium gray, tan to brown, some dark brown, firm, fine to microcrystalline, trace sucrosic, argillaceous, silty, slightly calcareous, no florescence, very good bright yellow/white streaming cut, good bright yellow residual halo cut; with interbedded green blue shale

11200-11700      Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, silty, slightly calcareous, scattered dull yellow hydrocarbon florescence, Faint light yellow cut, with interbedded green blue shale

11700-12100      Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, silty, slightly calcareous, scattered dull yell hydrocarbon florescence, Faint light yellow cut, with interbedded green blue shale, 2% green oil in possum belly

12100-12400      Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, silty, slightly calcareous, dull scattered bright yell hydrocarbon florescence, immediate light yellow cut, with interbedded green blue shale, 2% green oil in possum belly

12400-12500      Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, silty, slightly calcareous, bright yell hydrocarbon florescence, immediate light yellow cut, with interbedded green blue shale, 2% green oil in possum belly

12500-13900      Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, some chalky inter porosity, silty, slightly calcareous, bright yell hydrocarbon florescence, immediate light yellow cut, with interbedded green blue shale, 2% green oil in possum belly

13900-15400      Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, some chalky inter porosity, silty, slightly calcareous, bright yell hydrocarbon florescence, immediate light yellow cut, with interbedded green blue shale, 10% green oil in possum belly

15400-15500      Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, some chalky inter porosity, silty, slightly calcareous, bright yell hydrocarbon florescence,

immediate light yellow cut, with interbedded green blue shale, 20% green oil in possum belly

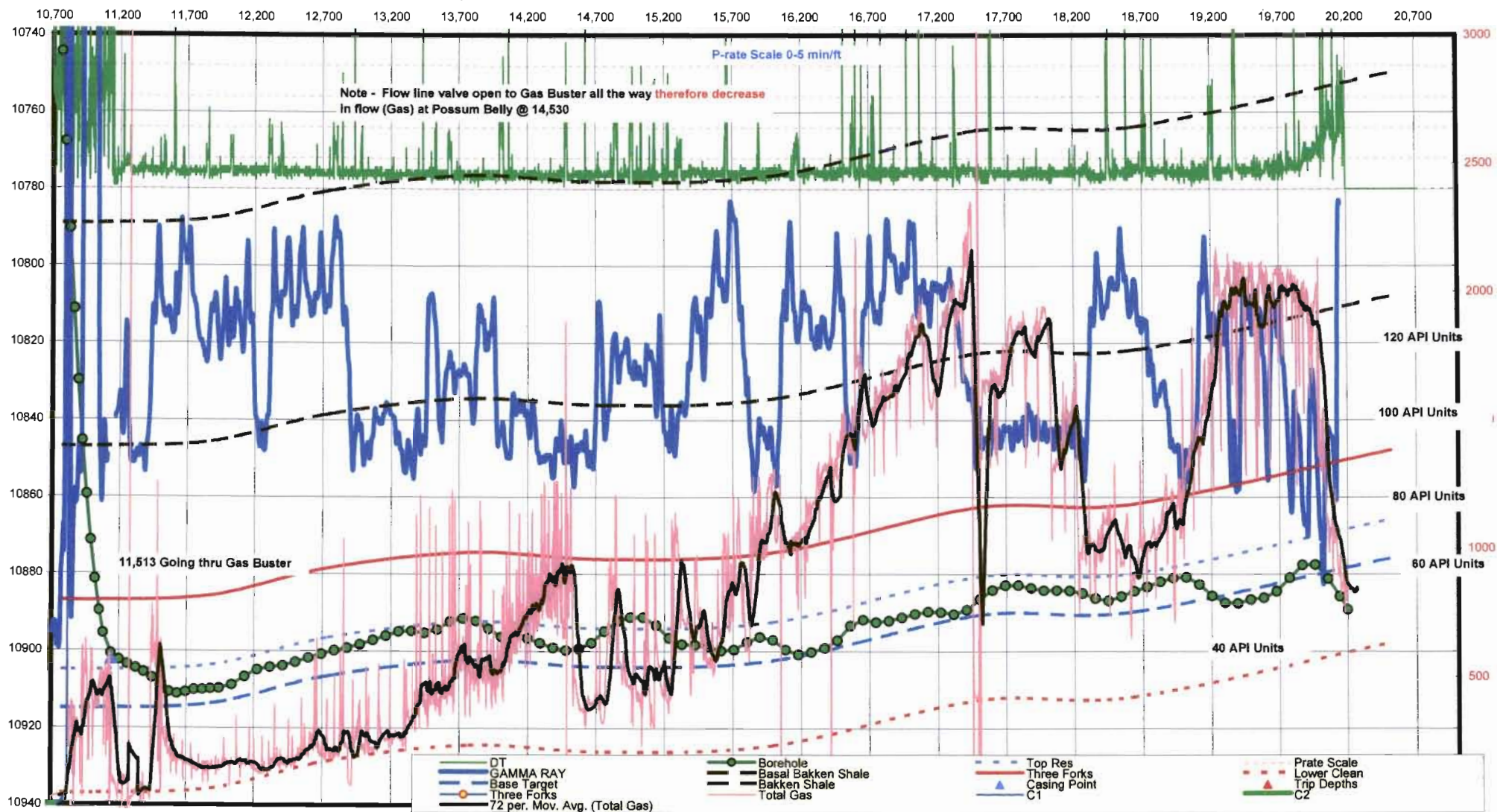
- |             |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15500-15600 | Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, some chalky inter porosity, silty, slightly calcareous, bright yell hydrocarbon florescence, immediate light yellow cut, with interbedded green blue shale, 10% green oil in possum belly                                                           |
| 15600-15700 | Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, some chalky inter porosity, silty, slightly calcareous, bright yell hydrocarbon florescence, immediate light yellow cut, with interbedded green blue shale, 20% green oil in possum belly                                                           |
| 15700-16500 | Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, some chalky inter porosity, silty, slightly calcareous, bright yell hydrocarbon florescence, immediate light yellow cut, with interbedded green blue shale, 10% green oil in possum belly                                                           |
| 16500-20200 | Dolomite- cream, buff, tan, light brown - brown, firm, fine to microcrystalline, dense to poor intercrystalline porosity, slightly firm to sucrosic, argillaceous inter porosity, some chalky inter porosity, silty, slightly calcareous, bright yell hydrocarbon florescence, immediate light yellow cut, with interbedded green blue shale, 10% green oil in possum belly, samples contain large amounts of beads, system closed in |

## DAILY ACTIVITY

Date	Footage	Activity
05/29/2009	845	Drilling Vertical Section
05/30/2009	952	Drilling Vertical Section
06/01/2009	287	Drilling Vertical Section
06/02/2009	414	Drilling Build Section
06/03/2009	104	Drilling Build Section
06/04/2009	0	Casing
06/05/2009	671	Drilling Horizontal Section
06/06/2009	1936	Drilling Horizontal Section
06/07/2009	1823	Drilling Horizontal Section
06/08/2009	1859	Drilling Horizontal Section
06/09/2009	1784	Drilling Horizontal Section
06/10/2009	955	Drilling Horizontal Section
06/11/2009	23	Drilling Horizontal Section



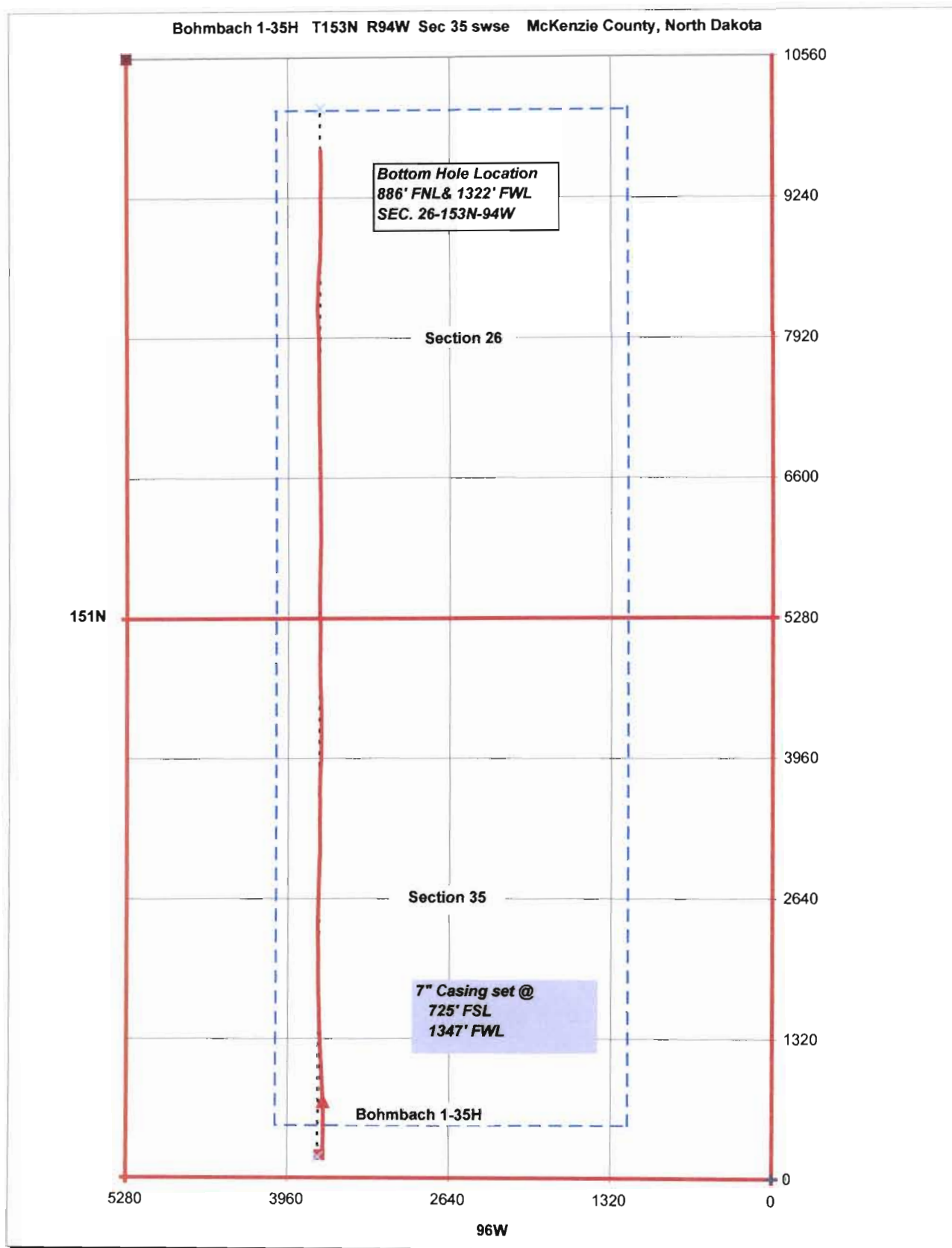
Bohmbach 1-35H T153N R94W Sec 35 swse McKenzie County, North Dakota



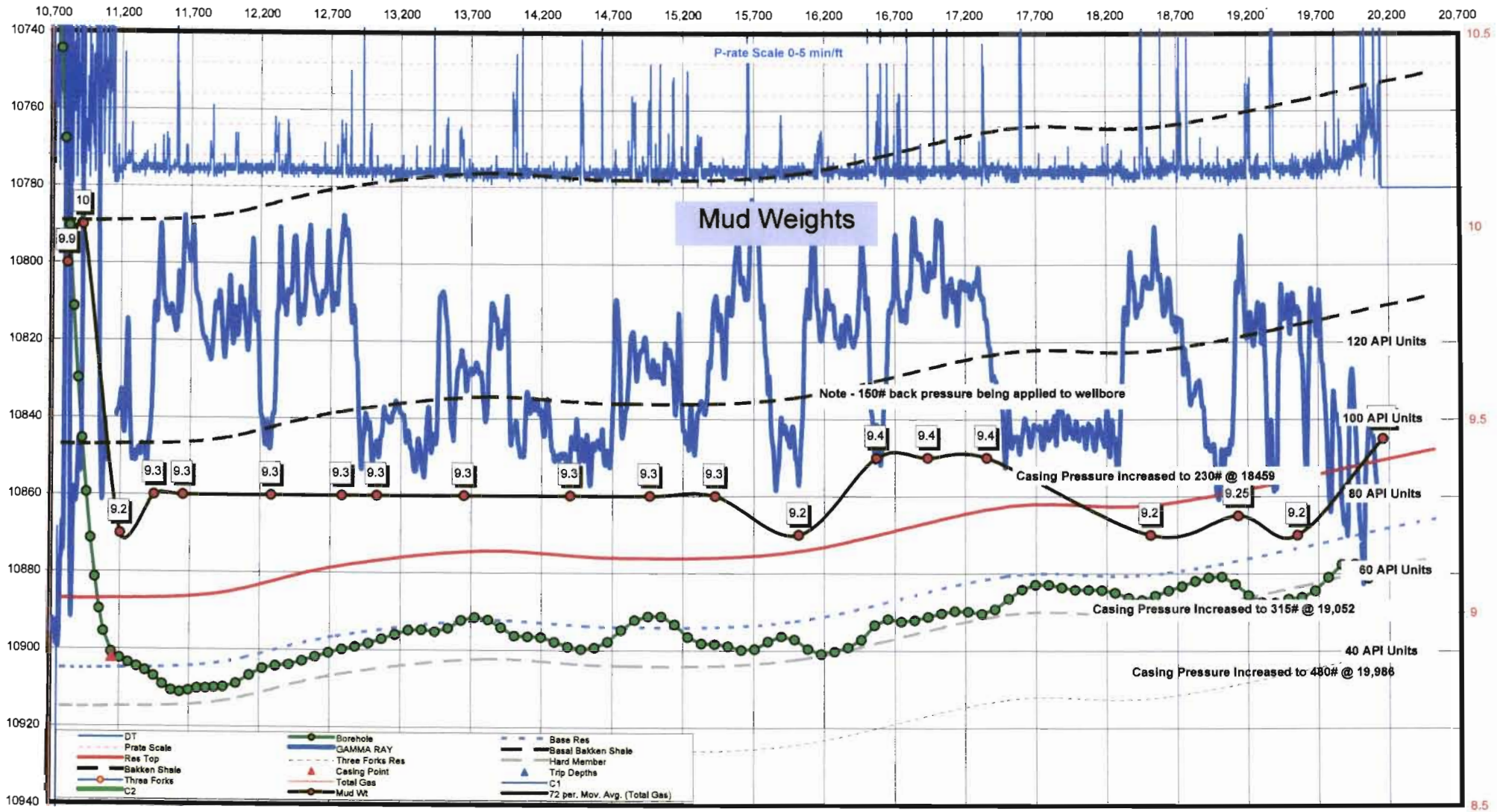
Confidential

Continental Resources Inc

6/12/2009 6:35 AM Bohmbach 1-35H CROSS SECTION



Bohmbach 1-35H T153N R94W Sec 35 swse McKenzie County, North Dakota



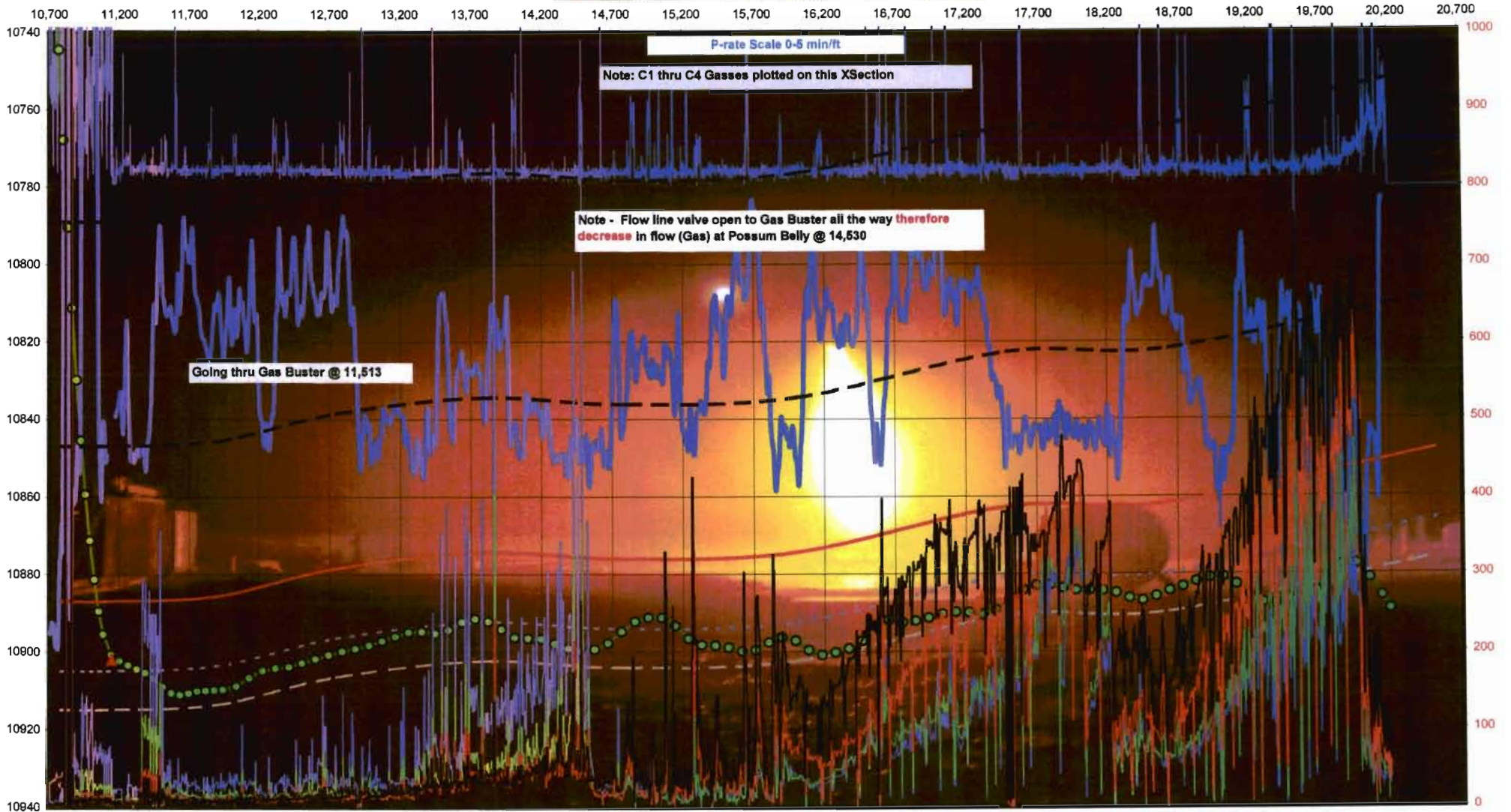
Confidential

Continental Resources Inc

6/11/2009 5:29 AM Bohmbach 1-35H CROSS SECTION Mud Wt



Bohmbach 1-35H T153N R94W Sec 35 swse McKenzie County, North Dakota



Confidential

Continental Resources Inc

6/12/2009 6:36 AM Bohmbach 1-35H CROSS SECTION Gas

**SUNDRY NOTICES AND REPORTS ON WELLS - FORM 4**

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5749 (03-2004)

Well File No.  
**18137**

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND ONE COPY.

<input checked="" type="checkbox"/> Notice of Intent	Approximate Start Date <b>July 11, 2009</b>
<input type="checkbox"/> Report of Work Done	Date Work Completed
<input type="checkbox"/> Notice of Intent to Begin a Workover Project that may Qualify for a Tax Exemption Pursuant to NDCC Section 57-51.1-03.	Approximate Start Date

<input type="checkbox"/> Drilling Prognosis	<input type="checkbox"/> Spill Report
<input type="checkbox"/> Redrilling or Repair	<input type="checkbox"/> Shooting
<input type="checkbox"/> Casing or Liner	<input type="checkbox"/> Acidizing
<input type="checkbox"/> Plug Well	<input type="checkbox"/> Fracture Treatment
<input type="checkbox"/> Supplemental History	<input type="checkbox"/> Change Production Method
<input type="checkbox"/> Temporarily Abandon	<input checked="" type="checkbox"/> Reclamation
<input type="checkbox"/> Other	

Well Name and Number <b>Bohmbach 1-35H</b>					
Footages	Qtr-Qtr	Section	Township	Range	
<b>200 F S L 1320 F W L</b>	<b>SESW</b>	<b>35</b>	<b>153 N</b>	<b>94 W</b>	
Field	Pool	County			
<b>Elm Tree</b>	<b>Bakken</b>	<b>McKenzie</b>			

24-HOUR PRODUCTION RATE			
Before		After	
Oil	Bbls	Oil	Bbls
Water	Bbls	Water	Bbls
Gas	MCF	Gas	MCF

Name of Contractor(s) <b>Hexom Earth Construction</b>			
Address	City	State	Zip Code
<b>13982 W. Front Street</b>	<b>Williston</b>	<b>ND</b>	<b>58801</b>

**DETAILS OF WORK**

<b>Surface Owner:</b> Arvid O Olson & Elveida Olson, 8955 108th Ave., NW, McGregor, ND 58755-9465
<b>Saltwater Disposals:</b> Zimmerman Disposal, Land Tech Rehak Disposal, Land Tech Williston Disposal
<b>Proposed Work:</b> Haul fluids off to one of the disposals within the area Spread flyash and solidify, then backfill with dirt. Replace topsoil from stockpile and reseed reclaimed area. Establish grade for surface drainage away from reclaimed pit area.

Company <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>
Address <b>P.O. Box 1032</b>	
City <b>Enid</b>	State <b>OK</b>
Zip Code <b>73702</b>	
Signature <i>Becky Barnes</i>	Printed Name <b>Becky Barnes</b>
Title <b>Regulatory Compliance Specialist</b>	Date <b>July 17, 2009</b>

FOR STATE USE ONLY	
<input type="checkbox"/> Received	<input checked="" type="checkbox"/> Approved
Date <b>7-21-09</b>	
By <i>Nathaniel Erbe</i>	
Title <i>Reclamation Specialist</i>	



# AUTHORIZATION TO PURCHASE AND TRANSPORT OIL FROM LEASE - FORM 8

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5698 (03-2000)



Well File No. <b>18137</b>
NDIC CTB No. <b>118137</b>

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND FOUR COPIES.

Well Name and Number <b>Bohmbach 1-35H</b>	Qtr-Qtr <b>SESW</b>	Section <b>35</b>	Township <b>153 N</b>	Range <b>94 W</b>	County <b>McKenzie</b>
Operator <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>	Field <b>Elm Tree</b>			
Address <b>P.O. Box 1032</b>	City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>		

Name of First Purchaser <b>Continental Resources, Inc.</b>	Telephone Number <b>580-233-8955</b>	% Purchased <b>100</b>	Date Effective <b>June 16, 2009</b>
Principal Place of Business <b>Continental Resources, Inc.</b>	City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>
Field Address <b>P.O. Box 1032</b>	City	State	Zip Code
Name of Transporter <b>Missouri Basin</b>	Telephone Number <b>701-575-8242</b>	% Transported <b>100</b>	Date Effective <b>June 16, 2009</b>
Address <b>P.O. Box 458</b>	City <b>Belfield</b>	State <b>ND</b>	Zip Code <b>58622</b>
The above named producer authorizes the above named purchaser to purchase the percentage of oil stated above which is produced from the lease designated above until further notice. The oil will be transported by the above named transporter.			

Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other First Purchasers Purchasing From This Lease	% Purchased	Date Effective
Other Transporters Transporting From This Lease	% Transported	Date Effective
Other Transporters Transporting From This Lease	% Transported	Date Effective
Comments		

I hereby swear or affirm that the information provided is true, complete and correct as determined from all available records.		Date <b>June 18, 2009</b>
Signature <i>Becky Barnes</i>	Printed Name <b>Becky Barnes</b>	Title <b>Regulatory Compliance Specialist</b>
Above Signature Witnessed By		
Witness Signature <i>Nicole Caddell</i>	Witness Printed Name <b>Nicole Caddell</b>	Witness Title <b>Regulatory Compliance Specialist</b>

## FOR STATE USE ONLY

Date Approved <b>7-1-09</b>
By <i>[Signature]</i>
Title <b>Oil &amp; Gas Record Analyst</b>





5125 Carroll Court, Suite 200  
Evansville, WY 82636  
307-233-8550

## Survey Certification Sheet

Date Submitted:	06-15-2009
Operator Name:	Continental Resources Inc.
Well Name:	Bohmbach 1-35H
Location:	Section 35-T153N-R94W
County/State:	McKenzie County, ND
Surveyed From a Depth of:	1894' MD to 20,139' MD
Type of Survey:	Magnetic MWD
Name(s) of MWD Supervisor(s):	Greg Pruett / Omar Dominguez

The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by Professional Directional Ltd. This report represents a true and correct Directional Survey of this well based on the original data obtained at the well site. The survey was calculated using the minimum curvature method.

Jim Onisko / Well Planner

# Continental Resources Inc.

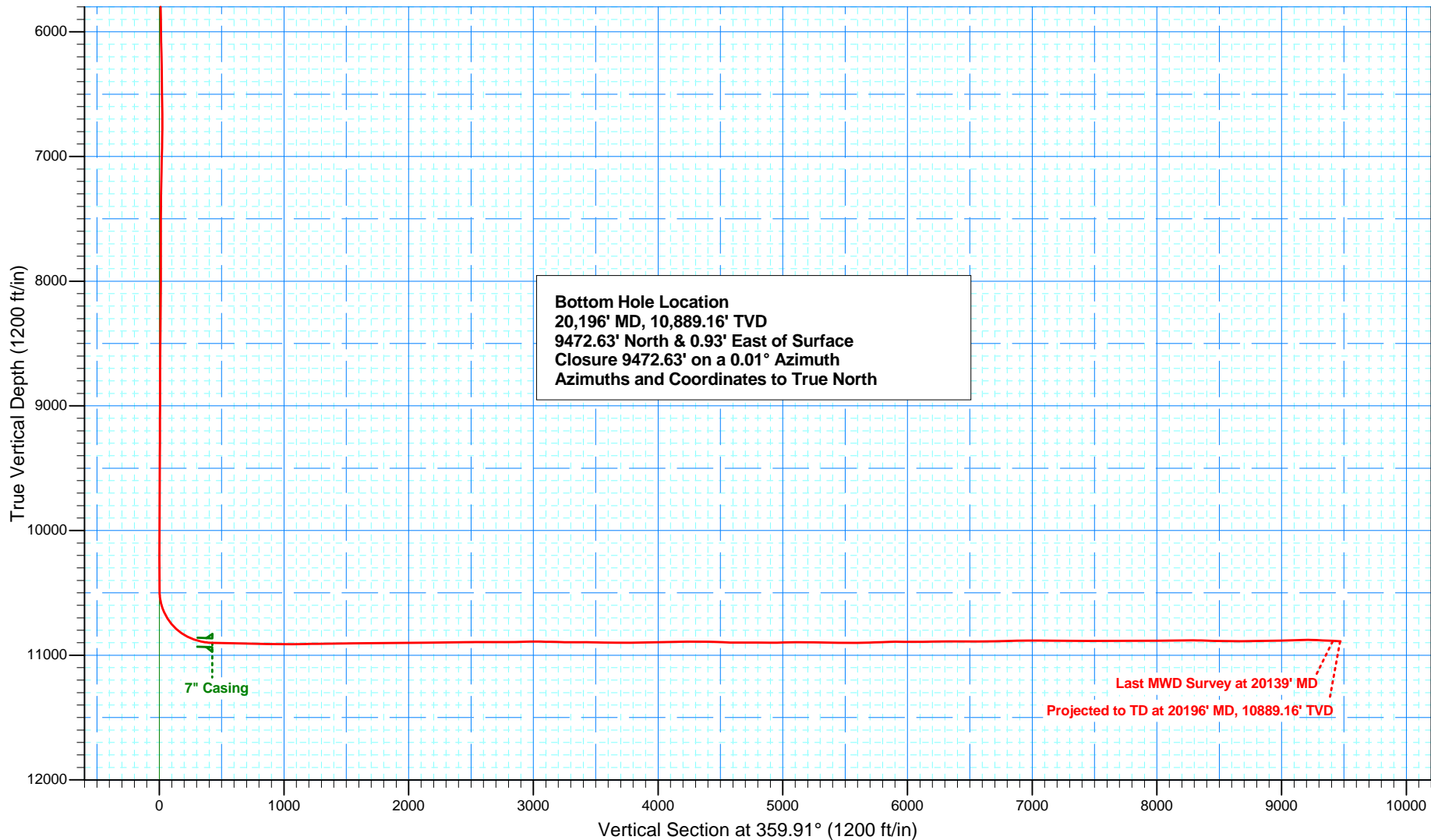


Project: McKenzie County, ND  
Site: Bohmbach 1-35H  
Well: Bohmbach 1-35H  
Wellbore: Original Hole  
Design: Final Surveys  
Rig: Patterson 180



Surface Location:  
SHL 200' FSL & 1320' FWL Sec 35-T153N-R94W

US State Plane 1983  
North Dakota Northern Zone  
Elevation: 2156' GL + 20' RKB @ 2176.00ft (Patterson 180)  
Northing Easting Latitude Longitude  
0.00 381526.01 1421301.78 48° 1' 26.980 N 102° 44' 11.340 W



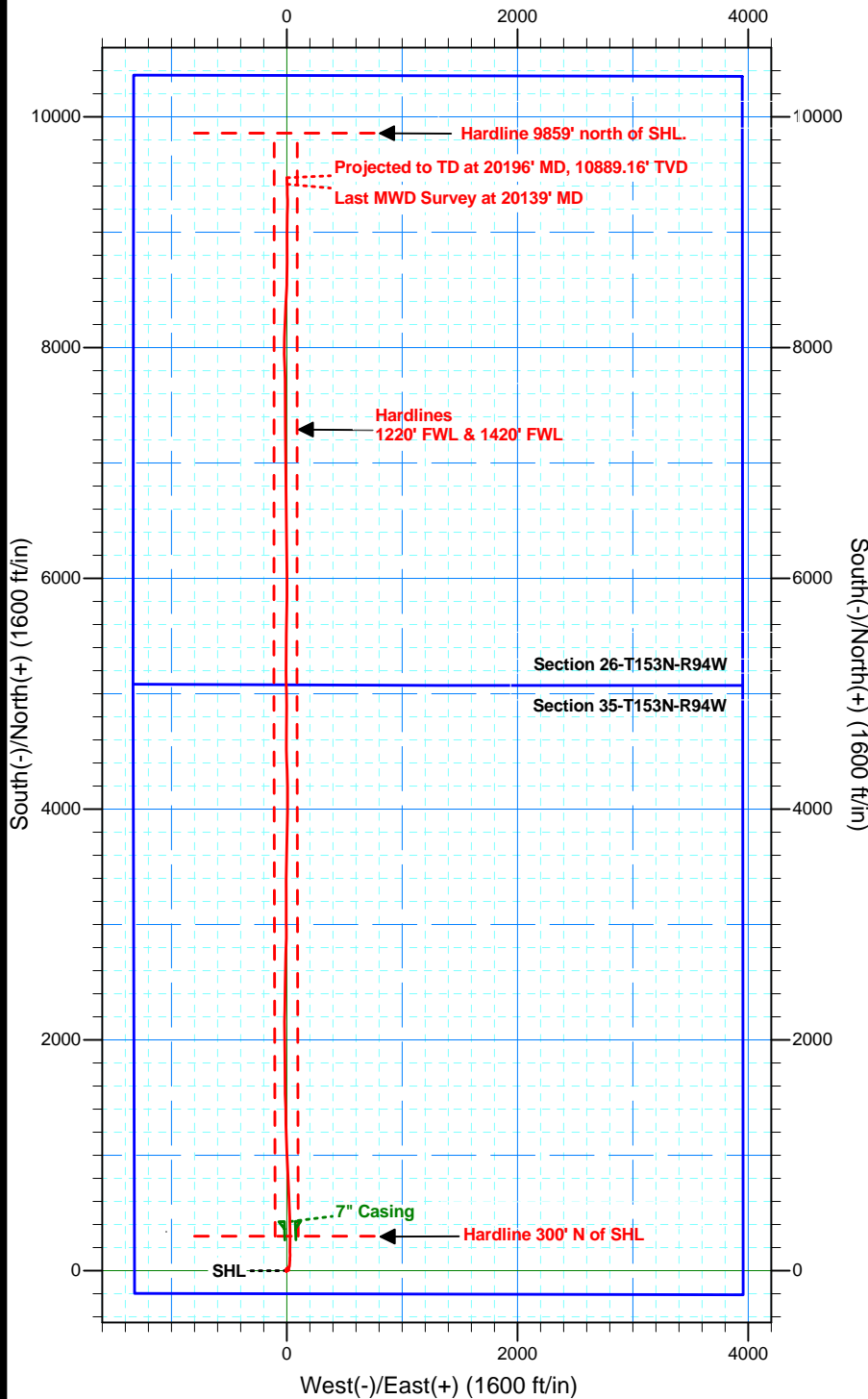
**Project:** McKenzie County, ND  
**Site:** Bohmbach 1-35H  
**Well:** Bohmbach 1-35H  
**Wellbore:** Original Hole  
**Design:** Final Surveys  
**Rig:** Patterson 180

**Surface Location:**  
SHL 200' FSL & 1320' FWL Sec 35-T153N-R94W

US State Plane 1983  
North Dakota Northern Zone  
**Elevation:** 2156' GL + 20' RKB @ 2176.00ft (Patterson 180)  
**Northing** 381526.01 **Easting** 1421301.78 **Latitude** 48° 1' 26.980 N **Longitude** 102° 44' 11.340 W

**To convert a Magnetic Direction to a True Direction, Add 8.37015° East**

Magnetic Model: IGRF200510 Date: 19-May-09  
**Azimuths to True North**



**Bottom Hole Location**  
20,196' MD, 10,889.16' TVD  
9472.63' North & 0.93' East of Surface  
Closure 9472.63' on a 0.01° Azimuth  
Azimuths and Coordinates to True North





# **Continental Resources Inc.**

**McKenzie County, ND**

**Bohmbach 1-35H**

**Original Hole**

**Design: Final Surveys**

## **Standard Survey Report**

**13 June, 2009**







# Professional Directional Survey Report



<b>Company:</b>	Continental Resources Inc.	<b>Local Co-ordinate Reference:</b>	Well Bohmbach 1-35H
<b>Project:</b>	McKenzie County, ND	<b>TVD Reference:</b>	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
<b>Site:</b>	Bohmbach 1-35H	<b>MD Reference:</b>	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
<b>Well:</b>	Bohmbach 1-35H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys	<b>Database:</b>	EDM 2003.21 Single User Db

<b>Project</b>	McKenzie County, ND		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	North Dakota Northern Zone		

<b>Site</b>	Bohmbach 1-35H		
<b>Site Position:</b>		<b>Northing:</b>	381,526.02 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	1,421,301.78 ft
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	48° 1' 26.980 N
		<b>Longitude:</b>	102° 44' 11.340 W
		<b>Grid Convergence:</b>	-1.66424 °

<b>Well</b>	Bohmbach 1-35H		
<b>Well Position</b>	<b>+N-S</b>	0.00 ft	<b>Northing:</b> 381,526.01 ft
	<b>+E-W</b>	0.00 ft	<b>Easting:</b> 1,421,301.78 ft
<b>Position Uncertainty</b>	0.00 ft		<b>Wellhead Elevation:</b> ft
			<b>Latitude:</b> 48° 1' 26.980 N
			<b>Longitude:</b> 102° 44' 11.340 W
			<b>Ground Level:</b> 2,156.00 ft

<b>Wellbore</b>	Original Hole				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	2009/05/19	8.37015	73.30754	57,026

<b>Design</b>	Surveys				
<b>Audit Notes:</b>	SHL 200' FSL & 1320' FWL Sec 35-T153N-R94W				
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N-S (ft)</b>	<b>+E-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	359.91	

<b>Survey Program</b>	<b>Date</b>	2009/06/13			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
1,870.00	20,139.00	Pro Directional MWD Survey (Original Hol	MWD	MWD - Standard	
20,196.00	20,196.00	Projected to TD (Original Hole)	Projection	Projection	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N-S (ft)</b>	<b>+E-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,870.00	0.00	0.00	1,870.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>Tie-In at 9-5/8" Shoe (1870')</b>										
1,894.00	0.50	110.60	1,894.00	-0.04	0.10	-0.04	2.08	2.08	0.00	
1,989.00	0.50	119.70	1,989.00	-0.39	0.85	-0.39	0.08	0.00	9.58	
2,084.00	0.30	129.00	2,083.99	-0.75	1.40	-0.75	0.22	-0.21	9.79	
2,179.00	0.30	232.60	2,178.99	-1.06	1.40	-1.06	0.50	0.00	109.05	
2,274.00	0.40	336.20	2,273.99	-0.91	1.06	-0.91	0.58	0.11	109.05	
2,368.00	0.60	321.60	2,367.99	-0.22	0.63	-0.22	0.25	0.21	-15.53	
2,462.00	0.90	291.50	2,461.98	0.44	-0.37	0.44	0.52	0.32	-32.02	
2,558.00	1.50	284.50	2,557.96	1.03	-2.28	1.03	0.64	0.63	-7.29	
2,653.00	1.00	234.30	2,652.94	0.86	-4.16	0.86	1.21	-0.53	-52.84	

<b>Company:</b>	Continental Resources Inc.	<b>Local Co-ordinate Reference:</b>	Well Bohmbach 1-35H
<b>Project:</b>	McKenzie County, ND	<b>TVD Reference:</b>	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
<b>Site:</b>	Bohmbach 1-35H	<b>MD Reference:</b>	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
<b>Well:</b>	Bohmbach 1-35H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys	<b>Database:</b>	EDM 2003.21 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,747.00	1.20	193.40	2,746.92	-0.58	-5.06	-0.57	0.84	0.21	-43.51
2,843.00	1.70	196.00	2,842.89	-2.93	-5.68	-2.92	0.53	0.52	2.71
2,938.00	0.40	186.40	2,937.87	-4.61	-6.11	-4.60	1.38	-1.37	-10.11
3,034.00	0.60	54.80	3,033.87	-4.65	-5.73	-4.65	0.95	0.21	-137.08
3,129.00	0.80	66.10	3,128.86	-4.10	-4.72	-4.09	0.25	0.21	11.89
3,225.00	0.80	60.80	3,224.86	-3.50	-3.52	-3.50	0.08	0.00	-5.52
3,320.00	0.50	71.70	3,319.85	-3.05	-2.55	-3.04	0.34	-0.32	11.47
3,415.00	0.30	122.80	3,414.85	-3.05	-1.95	-3.05	0.41	-0.21	53.79
3,510.00	0.20	137.20	3,509.85	-3.31	-1.63	-3.31	0.12	-0.11	15.16
3,605.00	0.10	88.50	3,604.85	-3.43	-1.43	-3.43	0.16	-0.11	-51.26
3,699.00	0.30	114.60	3,698.85	-3.53	-1.13	-3.53	0.23	0.21	27.77
3,794.00	0.20	119.60	3,793.84	-3.71	-0.75	-3.71	0.11	-0.11	5.26
3,889.00	0.30	64.90	3,888.84	-3.69	-0.39	-3.69	0.26	0.11	-57.58
3,984.00	0.30	26.20	3,983.84	-3.36	-0.05	-3.36	0.21	0.00	-40.74
4,079.00	0.60	3.00	4,078.84	-2.64	0.09	-2.64	0.36	0.32	-24.42
4,175.00	0.80	7.20	4,174.83	-1.47	0.20	-1.47	0.21	0.21	4.38
4,271.00	0.90	9.00	4,270.82	-0.06	0.40	-0.07	0.11	0.10	1.88
4,366.00	1.10	15.40	4,365.81	1.55	0.76	1.55	0.24	0.21	6.74
4,459.00	1.60	12.90	4,458.78	3.68	1.28	3.68	0.54	0.54	-2.69
4,555.00	0.90	313.60	4,554.76	5.50	1.04	5.50	1.44	-0.73	-61.77
4,650.00	1.80	282.00	4,649.74	6.33	-0.96	6.33	1.20	0.95	-33.26
4,745.00	1.20	222.00	4,744.71	5.90	-3.09	5.90	1.67	-0.63	-63.16
4,841.00	1.60	191.90	4,840.68	3.84	-4.04	3.85	0.86	0.42	-31.35
4,936.00	0.50	248.20	4,935.66	2.39	-4.70	2.40	1.46	-1.16	59.26
5,032.00	0.30	264.40	5,031.66	2.21	-5.33	2.22	0.24	-0.21	16.88
5,127.00	0.50	331.10	5,126.66	2.55	-5.78	2.56	0.50	0.21	70.21
5,222.00	0.30	332.60	5,221.66	3.13	-6.10	3.14	0.21	-0.21	1.58
5,316.00	0.20	64.30	5,315.66	3.42	-6.06	3.43	0.39	-0.11	97.55
5,412.00	0.20	340.70	5,411.66	3.65	-5.97	3.66	0.28	0.00	-87.08
5,507.00	1.00	297.20	5,506.65	4.19	-6.76	4.20	0.91	0.84	-45.79
5,602.00	1.00	321.70	5,601.64	5.22	-8.01	5.23	0.45	0.00	25.79
5,697.00	1.40	9.50	5,696.62	7.01	-8.33	7.03	1.09	0.42	50.32
5,793.00	2.20	19.90	5,792.57	9.90	-7.51	9.91	0.90	0.83	10.83
5,888.00	1.80	37.70	5,887.51	12.80	-5.98	12.81	0.77	-0.42	18.74
5,983.00	0.90	71.90	5,982.49	14.21	-4.36	14.22	1.23	-0.95	36.00
6,079.00	1.40	52.50	6,078.47	15.16	-2.71	15.16	0.65	0.52	-20.21
6,174.00	1.90	33.20	6,173.43	17.18	-0.93	17.18	0.78	0.53	-20.32
6,268.00	1.90	50.00	6,267.38	19.49	1.12	19.49	0.59	0.00	17.87
6,363.00	1.30	80.30	6,362.34	20.68	3.39	20.68	1.07	-0.63	31.89
6,458.00	0.80	29.90	6,457.33	21.44	4.78	21.43	1.05	-0.53	-53.05
6,554.00	1.50	12.60	6,553.31	23.24	5.39	23.24	0.81	0.73	-18.02
6,649.00	0.60	85.40	6,648.29	24.50	6.16	24.49	1.52	-0.95	76.63
6,744.00	0.90	122.30	6,743.29	24.14	7.28	24.13	0.58	0.32	38.84
6,839.00	1.30	119.70	6,838.27	23.21	8.85	23.19	0.42	0.42	-2.74
6,933.00	1.20	162.20	6,932.25	21.74	10.08	21.72	0.97	-0.11	45.21
7,029.00	1.20	184.60	7,028.23	19.78	10.30	19.76	0.49	0.00	23.33
7,123.00	1.00	180.10	7,122.21	17.98	10.22	17.96	0.23	-0.21	-4.79
7,219.00	1.30	210.20	7,218.19	16.20	9.67	16.19	0.69	0.31	31.35
7,314.00	1.70	226.80	7,313.16	14.31	8.10	14.29	0.62	0.42	17.47
7,410.00	0.30	244.00	7,409.14	13.22	6.84	13.21	1.48	-1.46	17.92
7,505.00	0.20	285.00	7,504.14	13.15	6.46	13.14	0.21	-0.11	43.16
7,600.00	0.20	162.00	7,599.14	13.04	6.35	13.03	0.37	0.00	-129.47
7,694.00	0.30	100.40	7,693.14	12.84	6.64	12.83	0.29	0.11	-65.53
7,789.00	0.30	191.00	7,788.14	12.55	6.84	12.54	0.45	0.00	95.37



# Professional Directional Survey Report



<b>Company:</b>	Continental Resources Inc.	<b>Local Co-ordinate Reference:</b>	Well Bohmbach 1-35H
<b>Project:</b>	McKenzie County, ND	<b>TVD Reference:</b>	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
<b>Site:</b>	Bohmbach 1-35H	<b>MD Reference:</b>	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
<b>Well:</b>	Bohmbach 1-35H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys	<b>Database:</b>	EDM 2003.21 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,882.00	0.10	168.70	7,881.14	12.23	6.81	12.22	0.23	-0.22	-23.98
7,977.00	0.40	81.10	7,976.14	12.20	7.15	12.19	0.43	0.32	-92.21
8,072.00	0.50	144.90	8,071.14	11.91	7.72	11.90	0.51	0.11	67.16
8,166.00	0.50	154.70	8,165.13	11.21	8.13	11.19	0.09	0.00	10.43
8,261.00	0.60	148.10	8,260.13	10.41	8.57	10.40	0.12	0.11	-6.95
8,356.00	0.30	172.00	8,355.12	9.74	8.87	9.73	0.37	-0.32	25.16
8,451.00	0.50	171.00	8,450.12	9.09	8.97	9.07	0.21	0.21	-1.05
8,546.00	0.50	169.40	8,545.12	8.27	9.11	8.25	0.01	0.00	-1.68
8,642.00	0.50	165.10	8,641.12	7.45	9.29	7.44	0.04	0.00	-4.48
8,731.00	0.30	195.30	8,730.11	6.85	9.33	6.84	0.32	-0.22	33.93
8,825.00	0.10	93.40	8,824.11	6.61	9.35	6.60	0.36	-0.21	-108.40
8,919.00	0.20	102.40	8,918.11	6.57	9.59	6.55	0.11	0.11	9.57
9,015.00	0.30	207.60	9,014.11	6.31	9.64	6.30	0.42	0.10	109.58
9,110.00	0.40	115.40	9,109.11	5.95	9.82	5.93	0.54	0.11	-97.05
9,205.00	0.30	112.80	9,204.11	5.71	10.35	5.69	0.11	-0.11	-2.74
9,301.00	0.60	141.40	9,300.11	5.22	10.89	5.20	0.38	0.31	29.79
9,396.00	0.50	118.20	9,395.10	4.64	11.57	4.62	0.25	-0.11	-24.42
9,491.00	0.30	100.90	9,490.10	4.39	12.18	4.37	0.24	-0.21	-18.21
9,586.00	0.50	118.60	9,585.10	4.15	12.79	4.13	0.25	0.21	18.63
9,682.00	0.50	141.20	9,681.09	3.62	13.42	3.60	0.20	0.00	23.54
9,777.00	0.20	146.40	9,776.09	3.16	13.77	3.14	0.32	-0.32	5.47
9,873.00	0.30	162.30	9,872.09	2.78	13.94	2.76	0.13	0.10	16.56
9,968.00	0.20	169.60	9,967.09	2.38	14.04	2.36	0.11	-0.11	7.68
10,063.00	0.20	98.40	10,062.09	2.19	14.24	2.17	0.25	0.00	-74.95
10,158.00	0.20	76.00	10,157.09	2.21	14.56	2.18	0.08	0.00	-23.58
10,253.00	0.10	300.20	10,252.09	2.29	14.65	2.27	0.30	-0.11	-142.95
10,348.00	0.20	173.00	10,347.09	2.17	14.60	2.14	0.29	0.11	-133.90
10,440.00	0.10	335.50	10,439.09	2.08	14.59	2.06	0.32	-0.11	176.63
10,481.00	0.30	350.40	10,480.09	2.22	14.55	2.20	0.50	0.49	36.34
10,513.00	3.70	13.90	10,512.06	3.31	14.79	3.28	10.71	10.63	73.44
10,545.00	8.80	14.80	10,543.86	6.68	15.66	6.65	15.94	15.94	2.81
10,577.00	13.10	12.10	10,575.27	12.59	17.05	12.56	13.53	13.44	-8.44
10,609.00	17.10	12.50	10,606.16	20.73	18.83	20.70	12.50	12.50	1.25
10,641.00	21.70	10.70	10,636.34	31.15	20.95	31.11	14.49	14.38	-5.63
10,672.00	25.90	8.00	10,664.70	43.49	22.95	43.45	13.99	13.55	-8.71
10,704.00	30.70	5.90	10,692.86	58.54	24.77	58.50	15.32	15.00	-6.56
10,735.00	35.10	4.80	10,718.89	75.30	26.33	75.26	14.32	14.19	-3.55
10,767.00	39.00	3.30	10,744.42	94.53	27.68	94.49	12.51	12.19	-4.69
10,798.00	43.30	1.90	10,767.76	114.90	28.59	114.86	14.19	13.87	-4.52
10,830.00	46.80	359.90	10,790.36	137.54	28.93	137.50	11.80	10.94	-6.25
10,862.00	51.70	359.20	10,811.25	161.78	28.74	161.73	15.40	15.31	-2.19
10,894.00	57.30	0.00	10,829.82	187.82	28.56	187.77	17.62	17.50	2.50
10,925.00	62.10	1.30	10,845.46	214.57	28.87	214.52	15.90	15.48	4.19
10,957.00	66.20	0.80	10,859.41	243.36	29.40	243.31	12.89	12.81	-1.56
10,989.00	70.10	359.70	10,871.31	273.05	29.53	273.00	12.60	12.19	-3.44
11,021.00	73.30	0.00	10,881.36	303.43	29.45	303.38	10.04	10.00	0.94
11,053.00	76.90	359.20	10,889.59	334.35	29.23	334.30	11.51	11.25	-2.50
11,084.00	81.30	358.80	10,895.45	364.78	28.70	364.73	14.25	14.19	-1.29
11,141.00	88.10	358.50	10,900.71	421.48	27.36	421.44	11.94	11.93	-0.53
11,202.00	88.80	358.30	10,902.36	482.44	25.66	482.40	1.19	1.15	-0.33
11,264.00	89.10	357.50	10,903.50	544.39	23.39	544.35	1.38	0.48	-1.29
11,326.00	89.10	357.50	10,904.47	606.32	20.68	606.28	0.00	0.00	0.00
11,386.00	89.00	357.50	10,905.47	666.25	18.06	666.22	0.17	-0.17	0.00
11,448.00	88.20	357.40	10,906.98	728.17	15.31	728.15	1.30	-1.29	-0.16



# Professional Directional Survey Report



<b>Company:</b>	Continental Resources Inc.	<b>Local Co-ordinate Reference:</b>	Well Bohmbach 1-35H
<b>Project:</b>	McKenzie County, ND	<b>TVD Reference:</b>	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
<b>Site:</b>	Bohmbach 1-35H	<b>MD Reference:</b>	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
<b>Well:</b>	Bohmbach 1-35H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys	<b>Database:</b>	EDM 2003.21 Single User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
11,510.00	88.00	357.20	10,909.04	790.07	12.39	790.05	0.46	-0.32	-0.32	
11,573.00	89.10	357.70	10,910.63	852.99	9.59	852.97	1.92	1.75	0.79	
11,634.00	90.00	357.40	10,911.11	913.93	6.98	913.92	1.56	1.48	-0.49	
11,696.00	90.80	357.50	10,910.68	975.86	4.22	975.86	1.30	1.29	0.16	
11,758.00	90.30	357.40	10,910.08	1,037.80	1.46	1,037.80	0.82	-0.81	-0.16	
11,819.00	89.80	357.00	10,910.03	1,098.73	-1.52	1,098.73	1.05	-0.82	-0.66	
11,880.00	90.50	359.00	10,909.87	1,159.69	-3.65	1,159.69	3.47	1.15	3.28	
11,942.00	89.80	358.50	10,909.71	1,221.67	-5.00	1,221.68	1.39	-1.13	-0.81	
12,036.00	91.30	359.00	10,908.80	1,315.64	-7.05	1,315.65	1.68	1.60	0.53	
12,130.00	91.30	358.40	10,906.67	1,409.59	-9.18	1,409.61	0.64	0.00	-0.64	
12,224.00	90.90	357.80	10,904.87	1,503.52	-12.30	1,503.54	0.77	-0.43	-0.64	
12,318.00	89.90	359.60	10,904.21	1,597.49	-14.43	1,597.51	2.19	-1.06	1.91	
12,412.00	90.50	0.20	10,903.88	1,691.49	-14.59	1,691.51	0.90	0.64	0.64	
12,505.00	90.70	359.90	10,902.91	1,784.48	-14.51	1,784.51	0.39	0.22	-0.32	
12,599.00	90.60	359.30	10,901.84	1,878.48	-15.17	1,878.50	0.65	-0.11	-0.64	
12,693.00	90.70	358.40	10,900.78	1,972.45	-17.06	1,972.48	0.96	0.11	-0.96	
12,787.00	90.40	359.30	10,899.87	2,066.43	-18.94	2,066.45	1.01	-0.32	0.96	
12,881.00	90.40	0.60	10,899.22	2,160.42	-19.02	2,160.45	1.38	0.00	1.38	
12,975.00	90.70	1.30	10,898.31	2,254.40	-17.47	2,254.43	0.81	0.32	0.74	
13,069.00	90.70	1.10	10,897.17	2,348.38	-15.50	2,348.40	0.21	0.00	-0.21	
13,163.00	90.70	1.00	10,896.02	2,442.35	-13.77	2,442.37	0.11	0.00	-0.11	
13,257.00	90.60	1.20	10,894.95	2,536.33	-11.97	2,536.35	0.24	-0.11	0.21	
13,351.00	89.60	1.00	10,894.79	2,630.31	-10.17	2,630.32	1.08	-1.06	-0.21	
13,445.00	89.80	1.30	10,895.28	2,724.29	-8.28	2,724.30	0.38	0.21	0.32	
13,538.00	91.30	2.60	10,894.39	2,817.23	-5.12	2,817.23	2.13	1.61	1.40	
13,632.00	91.20	0.30	10,892.34	2,911.17	-2.74	2,911.17	2.45	-0.11	-2.45	
13,727.00	89.80	359.10	10,891.51	3,006.16	-3.23	3,006.16	1.94	-1.47	-1.26	
13,821.00	89.40	359.80	10,892.16	3,100.15	-4.14	3,100.15	0.86	-0.43	0.74	
13,914.00	88.10	0.40	10,894.19	3,193.13	-3.98	3,193.13	1.54	-1.40	0.65	
14,008.00	89.30	359.70	10,896.32	3,287.10	-3.89	3,287.10	1.48	1.28	-0.74	
14,102.00	90.50	359.70	10,896.49	3,381.10	-4.39	3,381.10	1.28	1.28	0.00	
14,196.00	89.30	0.60	10,896.65	3,475.09	-4.14	3,475.10	1.60	-1.28	0.96	
14,290.00	89.20	1.90	10,897.88	3,569.06	-2.09	3,569.06	1.39	-0.11	1.38	
14,385.00	89.30	2.00	10,899.13	3,664.00	1.14	3,663.99	0.15	0.11	0.11	
14,479.00	89.90	1.70	10,899.78	3,757.95	4.18	3,757.94	0.71	0.64	-0.32	
14,573.00	90.60	0.90	10,899.37	3,851.92	6.31	3,851.90	1.13	0.74	-0.85	
14,667.00	91.30	359.80	10,897.81	3,945.90	6.88	3,945.89	1.39	0.74	-1.17	
14,761.00	92.40	0.60	10,894.78	4,039.85	7.21	4,039.83	1.45	1.17	0.85	
14,857.00	90.70	359.20	10,892.18	4,135.81	7.04	4,135.79	2.29	-1.77	-1.46	
14,951.00	90.50	358.80	10,891.20	4,229.79	5.40	4,229.78	0.48	-0.21	-0.43	
15,045.00	89.50	357.60	10,891.20	4,323.74	2.45	4,323.73	1.66	-1.06	-1.28	
15,140.00	88.00	358.40	10,893.27	4,418.66	-0.86	4,418.65	1.79	-1.58	0.84	
15,234.00	88.00	359.30	10,896.55	4,512.58	-2.75	4,512.58	0.96	0.00	0.96	
15,329.00	90.00	0.40	10,898.21	4,607.56	-3.00	4,607.56	2.40	2.11	1.16	
15,424.00	89.80	0.60	10,898.37	4,702.56	-2.17	4,702.55	0.30	-0.21	0.21	
15,518.00	89.60	0.30	10,898.87	4,796.55	-1.43	4,796.55	0.38	-0.21	-0.32	
15,613.00	89.20	0.30	10,899.86	4,891.54	-0.93	4,891.54	0.42	-0.42	0.00	
15,707.00	91.10	358.50	10,899.62	4,985.53	-1.92	4,985.53	2.78	2.02	-1.91	
15,802.00	91.30	359.00	10,897.63	5,080.49	-3.99	5,080.49	0.57	0.21	0.53	
15,897.00	90.30	359.20	10,896.30	5,175.47	-5.48	5,175.47	1.07	-1.05	0.21	
15,991.00	88.70	0.60	10,897.12	5,269.46	-5.64	5,269.46	2.26	-1.70	1.49	
16,085.00	88.30	0.60	10,899.58	5,363.42	-4.66	5,363.42	0.43	-0.43	0.00	
16,179.00	90.10	0.60	10,900.89	5,457.40	-3.68	5,457.40	1.91	1.91	0.00	
16,274.00	90.70	1.00	10,900.23	5,552.39	-2.35	5,552.38	0.76	0.63	0.42	





# Professional Directional Survey Report



<b>Company:</b>	Continental Resources Inc.	<b>Local Co-ordinate Reference:</b>	Well Bohmbach 1-35H
<b>Project:</b>	McKenzie County, ND	<b>TVD Reference:</b>	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
<b>Site:</b>	Bohmbach 1-35H	<b>MD Reference:</b>	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
<b>Well:</b>	Bohmbach 1-35H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Original Hole	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Surveys	<b>Database:</b>	EDM 2003.21 Single User Db

## Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
16,369.00	90.60	0.90	10,899.15	5,647.37	-0.78	5,647.36	0.15	-0.11	-0.11
16,463.00	91.80	0.80	10,897.18	5,741.34	0.62	5,741.33	1.28	1.28	-0.11
16,558.00	92.80	1.00	10,893.37	5,836.25	2.11	5,836.24	1.07	1.05	0.21
16,652.00	89.10	359.70	10,891.81	5,930.21	2.68	5,930.20	4.17	-3.94	-1.38
16,746.00	90.10	359.00	10,892.47	6,024.20	1.62	6,024.19	1.30	1.06	-0.74
16,841.00	90.40	359.50	10,892.05	6,119.19	0.37	6,119.19	0.61	0.32	0.53
16,935.00	90.60	359.80	10,891.23	6,213.19	-0.20	6,213.18	0.38	0.21	0.32
17,030.00	90.50	359.80	10,890.32	6,308.18	-0.53	6,308.18	0.11	-0.11	0.00
17,125.00	90.20	359.40	10,889.74	6,403.18	-1.20	6,403.17	0.53	-0.32	-0.42
17,219.00	89.60	359.30	10,889.91	6,497.17	-2.26	6,497.17	0.65	-0.64	-0.11
17,314.00	89.80	358.70	10,890.40	6,592.16	-3.92	6,592.15	0.67	0.21	-0.63
17,408.00	91.60	358.90	10,889.26	6,686.13	-5.89	6,686.13	1.93	1.91	0.21
17,503.00	91.70	359.00	10,886.52	6,781.07	-7.63	6,781.07	0.15	0.11	0.11
17,598.00	91.20	359.90	10,884.12	6,876.03	-8.54	6,876.04	1.08	-0.53	0.95
17,692.00	90.30	359.70	10,882.89	6,970.02	-8.87	6,970.03	0.98	-0.96	-0.21
17,787.00	89.70	359.80	10,882.89	7,065.02	-9.28	7,065.03	0.64	-0.63	0.11
17,880.00	89.40	359.80	10,883.62	7,158.02	-9.61	7,158.03	0.32	-0.32	0.00
17,974.00	89.90	359.20	10,884.19	7,252.01	-10.43	7,252.02	0.83	0.53	-0.64
18,069.00	90.10	0.20	10,884.19	7,347.01	-10.92	7,347.02	1.07	0.21	1.05
18,163.00	89.80	359.30	10,884.27	7,441.01	-11.34	7,441.02	1.01	-0.32	-0.96
18,257.00	89.40	359.70	10,884.93	7,535.00	-12.16	7,535.01	0.60	-0.43	0.43
18,352.00	89.00	359.80	10,886.25	7,629.99	-12.57	7,630.00	0.43	-0.42	0.11
18,447.00	90.20	358.50	10,886.92	7,724.98	-13.98	7,724.99	1.86	1.26	-1.37
18,541.00	91.20	357.70	10,885.77	7,818.91	-17.10	7,818.93	1.36	1.06	-0.85
18,636.00	90.50	358.30	10,884.36	7,913.85	-20.41	7,913.87	0.97	-0.74	0.63
18,730.00	90.80	0.80	10,883.29	8,007.83	-21.15	8,007.85	2.68	0.32	2.66
18,825.00	90.80	1.70	10,881.97	8,102.80	-19.08	8,102.82	0.95	0.00	0.95
18,919.00	90.40	2.30	10,880.98	8,196.73	-15.80	8,196.75	0.77	-0.43	0.64
19,014.00	89.80	2.30	10,880.82	8,291.66	-11.98	8,291.66	0.63	-0.63	0.00
19,109.00	87.90	3.20	10,882.72	8,386.52	-7.43	8,386.52	2.21	-2.00	0.95
19,203.00	88.60	3.30	10,885.59	8,480.33	-2.10	8,480.32	0.75	0.74	0.11
19,297.00	89.20	1.10	10,887.40	8,574.23	1.51	8,574.22	2.43	0.64	-2.34
19,391.00	90.60	0.70	10,887.56	8,668.22	2.98	8,668.20	1.55	1.49	-0.43
19,486.00	90.60	0.30	10,886.57	8,763.21	3.81	8,763.19	0.42	0.00	-0.42
19,581.00	90.00	359.50	10,886.07	8,858.21	3.65	8,858.19	1.05	-0.63	-0.84
19,675.00	92.00	359.80	10,884.43	8,952.19	3.07	8,952.17	2.15	2.13	0.32
19,770.00	92.20	1.10	10,880.95	9,047.12	3.82	9,047.10	1.38	0.21	1.37
19,865.00	91.80	0.90	10,877.63	9,142.05	5.47	9,142.02	0.47	-0.42	-0.21
19,958.00	88.30	0.40	10,877.55	9,235.02	6.53	9,235.00	3.80	-3.76	-0.54
20,053.00	87.30	359.00	10,881.20	9,329.95	6.03	9,329.93	1.81	-1.05	-1.47
20,139.00	86.60	357.50	10,885.78	9,415.78	3.41	9,415.77	1.92	-0.81	-1.74
<b>Last MWD Survey at 20139' MD</b>									
20,196.00	86.60	357.50	10,889.16	9,472.63	0.93	9,472.62	0.00	0.00	0.00
<b>Projected to TD at 20196' MD, 10889.16' TVD</b>									

## Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,870.00	1,870.00	0.00	0.00	Tie-In at 9-5/8" Shoe (1870')
20,139.00	10,885.78	9,415.78	3.41	Last MWD Survey at 20139' MD
20,196.00	10,889.16	9,472.63	0.93	Projected to TD at 20196' MD, 10889.16' TVD



# SUNDRY NOTICES AND REPORTS ON WELLS - FORM 4

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 5749 (03-2004)

Well File No.

18137

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND ONE COPY.

<input checked="" type="checkbox"/> Notice of Intent	Approximate Start Date <b>July 7, 2009</b>
<input type="checkbox"/> Report of Work Done	Date Work Completed <b>July 10, 2009</b>
<input type="checkbox"/> Notice of Intent to Begin a Workover Project that may Qualify for a Tax Exemption Pursuant to NDCC Section 57-51.1-03.	Approximate Start Date

<input type="checkbox"/> Drilling Prognosis	<input type="checkbox"/> Spill Report
<input type="checkbox"/> Redrilling or Repair	<input type="checkbox"/> Shooting
<input type="checkbox"/> Casing or Liner	<input type="checkbox"/> Acidizing
<input type="checkbox"/> Plug Well	<input type="checkbox"/> Fracture Treatment
<input type="checkbox"/> Supplemental History	<input type="checkbox"/> Change Production Method
<input type="checkbox"/> Temporarily Abandon	<input type="checkbox"/> Reclamation
<input checked="" type="checkbox"/> Other	<b>Flow back exemption</b>

Well Name and Number <b>Bohmbach 1-35H</b>					
Footages	Qtr-Qtr	Section	Township	Range	
<b>200 F S L 1320 F W L</b>	<b>SESW</b>	<b>35</b>	<b>153 N</b>	<b>94 W</b>	
Field <b>Elm Tree</b>	Pool <b>Bakken</b>	County <b>McKenzie</b>			

24-HOUR PRODUCTION RATE			
Before		After	
Oil	Bbls	Oil	Bbls
Water	Bbls	Water	Bbls
Gas	MCF	Gas	MCF

Name of Contractor(s)			
Address	City	State	Zip Code

## DETAILS OF WORK

Continental Resources, Inc. requests a waiver from the tubing/pkr requirement included in NDIC 43-02-03-21: Casing, Tubing, and Cementing Requirements during the completion period immediately following the upcoming fracture stimulation. The following assurances apply:

- 1) The well is equipped with 26 & 29#/ft P110 7" casing at surface with an API burst rating of 9950 psig.
- 2) The frac design will use a safety factor of 0.9 API burst rating to determine the max pressure.
- 3) Damage to the casing during the frac would be detected immediately by monitoring equipment.
- 4) The casing is exposed to significantly lower rates and pressures during flow back than during the frac job.
- 5) The frac fluid and formation fluids have very low corrosion and erosion rates
- 6) Production equipment will be installed as soon as possible after the well ceases flowing.
- 7) A 300# gauge will be installed on surface casing during flowback period.

Company <b>Continental Resources, Inc.</b>		Telephone Number <b>580-233-8955</b>	
Address <b>P.O. Box 1032</b>			
City <b>Enid</b>	State <b>OK</b>	Zip Code <b>73702</b>	
Signature 	Printed Name <b>Jim Landrigan</b>		
Title <b>Production Engineer</b>	Date <b>June 9, 2009</b>		

FOR STATE USE ONLY	
<input type="checkbox"/> Received	<input checked="" type="checkbox"/> Approved
Date <b>June 15, 2009</b>	
By 	
Title <b>PETROLEUM ENGINEER</b>	

Industrial Commission of North Dakota  
Oil and Gas Division  
Verbal Approval To Purchase and Transport Oil

Well or Facility No  
**18137**

Tight Hole **Yes**

*JK*

**OPERATOR**

Operator <b>CONTINENTAL RESOURCES, INC.</b>	Representative <b>Jane Ridl</b>	Rep Phone <b>(701) 764-6582</b>
------------------------------------------------	------------------------------------	------------------------------------

**WELL INFORMATION**

Well Name <b>BOHMBACH 1-35H</b>	Inspector <b>Richard Dunn</b>
Well Location    QQ        Sec        Twp        Rng <b>SESW     35     153    N     94    W</b>	County <b>MCKENZIE</b>
Footages <b>200</b> Feet From the <b>S</b> Line	Field <b>ELM TREE</b>
<b>1320</b> Feet From the <b>W</b> Line	Pool <b>BAKKEN</b>
Date of First Production Through Permanent Wellhead	<b>This Is Not The First Sales</b>

**PURCHASER / TRANSPORTER**

Purchaser <b>CONTINENTAL RESOURCES, INC.</b>	Transporter <b>MISSOURI BASIN WELL SERVICE, INC.</b>
-------------------------------------------------	---------------------------------------------------------

**TANK BATTERY**

Unit Tank Battery Number :
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**SALES INFORMATION**    This Is Not The First Sales

ESTIMATED BARRELS TO BE SOLD		ACTUAL BARRELS SOLD	DATE
<b>15000</b>	BBLS	BBLS	
	BBLS	BBLS	
	BBLS	BBLS	
	BBLS	BBLS	
	BBLS	BBLS	
	BBLS	BBLS	
	BBLS	BBLS	
	BBLS	BBLS	
	BBLS	BBLS	
	BBLS	BBLS	

**DETAILS**

<b>Must Send Forms 6 &amp; 8 to State Prior to Reaching 15000 Bbl Estimate. Must Also Inform of First Date of Production Through Permanent Wellhead.</b>
----------------------------------------------------------------------------------------------------------------------------------------------------------

Start Date        **6/8/2009**  
Date Approved   **6/8/2009**  
Approved By     **Richard Dunn**

**SUNDRY NOTICES AND REPORTS ON WELLS - FORM 4**

INDUSTRIAL COMMISSION OF NORTH DAKOTA

OIL AND GAS DIVISION

600 EAST BOULEVARD DEPT 405

BISMARCK, ND 58505-0840

SFN 5748 (99-2036)

Well File No.

18137

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.

PLEASE SUBMIT THE ORIGINAL AND ONE COPY.

<input type="checkbox"/> Notice of Intent	Approximate Start Date	<input type="checkbox"/> Drilling Prognosis	<input type="checkbox"/> Spill Report
<input type="checkbox"/> Report of Work Done	Date Work Completed	<input type="checkbox"/> Redrilling or Repair	<input type="checkbox"/> Shooting
<input type="checkbox"/> Notice of Intent to Begin a Workover Project that may Qualify for a Tax Exemption Pursuant to NDCC Section 57-51.1-03.	Approximate Start Date	<input type="checkbox"/> Casing or Liner	<input type="checkbox"/> Acidizing
		<input type="checkbox"/> Plug Well	<input type="checkbox"/> Fracture Treatment
		<input type="checkbox"/> Supplemental History	<input type="checkbox"/> Change Production Method
		<input type="checkbox"/> Temporarily Abandon	<input type="checkbox"/> Reclamation
		<input checked="" type="checkbox"/> Other	<u>Openhole Log Waiver</u>

Well Name and Number

**Bohmbach 1-35H**

Footages	Qtr-Qtr	Section	Township	Range
200 F S L 1320 F W L	SWSW	35	153 N	94 W
Field	Pool	County		
	Three Forks	McKenzie		

24-HOUR PRODUCTION RATE

Before		After	
Oil	Bbls	Oil	Bbls
Water	Bbls	Water	Bbls
Gas	MCF	Gas	MCF

Name of Contractor(s)

Address

City

State

Zip Code

**DETAILS OF WORK**

Requested variance to not run openhole logs. GR/CBL/CCL will be run from deepest point obtainable to base of surface casing.

Offset logs used will be the Amerada Hess-State 4-24, Sec 4-152N-94W.

The Gamma Ray Log will be run all the way to surface and all mud logs will be submitted as one paper copy and one digital tiff formatted file.

Company	Continental Resources, Inc.	Telephone Number	580-233-8955
Address	P.O. Box 1032		
City	State	Zip Code	
Enid	OK	73702	
Signature	Printed Name	Date	
<i>Becky Barnes</i>	Becky Barnes	April 28, 2009	
Title	Regulatory Compliance Specialist		
Email Address	beckybarnes@contres.com		

**FOR STATE USE ONLY**

<input type="checkbox"/> Received	<input checked="" type="checkbox"/> Approved
Date	May 8, 2009
By	Bruce Juender
Title	Geologist



# Oil and Gas Division

Lynn D. Helms - Director      Bruce E. Hicks - Assistant Director

## Department of Mineral Resources

Lynn D. Helms - Director

## North Dakota Industrial Commission

www.dmr.nd.gov/oilgas



18137  
JA

BECKY BARNES  
CONTINENTAL RESOURCES, INC.  
PO BOX 1032  
ENID, OK 73702-1032 USA

Date: 5/8/2009

**RE: CORES AND SAMPLES**

Well Name: **BOHMBACH 1-35H** Well File No.: **18137**  
Location: **SESW 35-153-94** County: **MCKENZIE**  
Permit Type: **Development - HORIZONTAL**  
Field: **ELM TREE** Target Horizon: **THREE FORKS**

Dear BECKY BARNES:

North Dakota Century Code (NDCC) Section 38-08-04 provides for the preservation of cores and samples and their shipment to the State Geologist when requested. The following is required on the above referenced well:

- 1) All cores, core chips and samples must be submitted to the State Geologist as provided for the NDCC Section 38-08-04 and North Dakota Administrative Code 43-02-03-38.1.
- 2) Samples shall include all cuttings from:

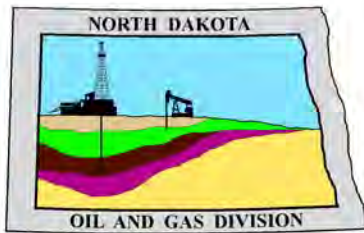
**Base of the Last Charles Salt**

Samples of cuttings shall be taken at 10' maximum intervals through all vertical sections and at 30' maximum intervals through all build and horizontal sections. Samples must be washed, dried, packed in sample envelopes in correct order with labels showing operator, well name, location and depth, and forwarded in standard boxes to the State Geologist within 30 days of the completion of drilling operations.

- 3) Cores: ALL CORES cut shall be preserved in correct order, properly boxed, and forwarded to the State Geologist within 90 days of completion of drilling operations. Any extension of time must have written approval from the State Geologist.
- 4) All cores, core chips, and samples must be shipped, prepaid, to the State Geologist at the following address:  
**ND Geological Survey Core Library  
Campus Road and Cornell  
Grand Forks, ND 58202**
- 5) NDCC Section 38-08-16 allows for a civil penalty for any violation of Chapter 38 08 not to exceed \$12,500 for each offense, and each day's violation is a separate offense.

Sincerely

Bruce Juenker  
Geologist



# Oil and Gas Division

Lynn D. Helms - Director

Bruce E. Hicks - Assistant Director

## Department of Mineral Resources

Lynn D. Helms - Director

## North Dakota Industrial Commission

[www.oilgas.nd.gov](http://www.oilgas.nd.gov)

May 7, 2009

Becky Barnes  
Regulatory Compliance Specialist  
CONTINENTAL RESOURCES, INC.  
P.O. Box 1032  
Enid, OK 73702

**RE: HORIZONTAL WELL  
BOHMBACH 1-35H  
SESW Section 35-153N-94W  
McKenzie County  
Well File # 18137**

Dear Becky :

Pursuant to Commission Order No. 13106, approval to drill the above captioned well is hereby given. The approval is granted on the condition that all portions of the well bore not isolated by cement, be no closer than the 500' setback from the north & south boundaries and 1220' setback (pursuant to Commission policy) from the east & west boundaries within the 1280 acre spacing unit consisting of Sections 26 & 35-153N-94W.

### Permit Fee & Notification

Payment was received in the amount of \$100 via credit card. It is requested that notification be given immediately upon the spudding of the well. This information should be relayed to the Oil & Gas Division, Bismarck, via telephone. The following information must be included: Well name, legal location, permit number, drilling contractor, company representative, date and time of spudding. Office hours are 8:00 a.m. to 12:00 p.m. and 1:00 p.m. to 5:00 p.m. Central Time. Our telephone number is (701) 328-8020, leave a message if after hours or on the weekend.

### Survey Requirements for Horizontal, Horizontal Re-entry, and Directional Wells

NDAC Section 43-02-03-25 (Deviation Tests and Directional Surveys) states in part (that) the survey contractor shall file a certified copy of all surveys with the director free of charge within thirty days of completion. Surveys must be submitted as one electronic copy, or in a form approved by the director. However, the director may require the directional survey to be filed immediately after completion if the survey is needed to conduct the operation of the director's office in a timely manner. Certified surveys must be submitted via email in one adobe document, with a certification cover page to [certsurvey@nd.gov](mailto:certsurvey@nd.gov).

Survey points shall be of such frequency to accurately determine the entire location of the well bore.

**Confidential status**

Your request for confidential status of all information furnished to the Director, or his representatives, is hereby granted. Such information, except production runs, shall remain confidential for six months commencing on the date the well is spud.

Confidential status notwithstanding, the Director and his representatives shall have access to all well records wherever located. Your company personnel, or any person performing work for your company shall permit the Director and his representatives to come upon any lease, property, well, or drilling rig operated or controlled by them, complying with all safety rules, and to inspect the records and operation of such wells and to have access at all times to any and all records of wells. The Commission's field personnel periodically inspect producing and drilling wells. Any information regarding such wells shall be made available to them at any time upon request. The information so obtained by the field personnel shall be maintained in strict confidence and shall be available only to the Commission and its staff.

**Reserve pit**

Please be advised that conditions may be imposed on the use and reclamation of a drilling reserve pit on this site if specific site conditions warrant.

**Surface casing cement**

Tail cement utilized on surface casing must have a minimum compressive strength of 500 psi within 12 hours, and tail cement utilized on production casing must have a minimum compressive strength of 500 psi before drilling the plug or initiating tests.

**Logs**

NDAC Section 43-02-03-31 requires the running of a Cement Bond Log from which the presence of cement can be determined in every well in which production or intermediate casing has been set and a Gamma Ray Log must be run from total depth to ground level elevation of the well bore. All logs must be submitted as one paper copy and one digital copy in LAS (Log ASCII) format, or a format approved by the Director. Image logs that include, but are not limited to, Mud Logs, Cement Bond Logs, and Cyberlook Logs, cannot be produced in their entirety as LAS (Log ASCII) files. To create a solution and establish a standard format for industry to follow when submitting image logs, the Director has given approval for the operator to submit an image log as a TIFF (\*.tif) formatted file. The TIFF (\*.tif) format will be accepted only when the log cannot be produced in its entirety as a LAS (Log ASCII) file format. The digital copy may be submitted on a 3.5" floppy diskette, a standard CD, or attached to an email sent to [digitallogs@nd.gov](mailto:digitallogs@nd.gov). Thank you for your cooperation.

Sincerely,

Todd Holweger  
Mineral Resources Permit Manager



# APPLICATION FOR PERMIT TO DRILL HORIZONTAL WELL - FORM 1H

INDUSTRIAL COMMISSION OF NORTH DAKOTA  
OIL AND GAS DIVISION  
600 EAST BOULEVARD DEPT 405  
BISMARCK, ND 58505-0840  
SFN 54269 (08-2005)

PLEASE READ INSTRUCTIONS BEFORE FILLING OUT FORM.  
PLEASE SUBMIT THE ORIGINAL AND ONE COPY.

Type of Work <b>New Location</b>	Type of Well <b>Oil &amp; Gas</b>	Approximate Date Work Will Start <b>5 / 10 / 2009</b>	Confidential Status <b>Yes</b>
Operator <b>CONTINENTAL RESOURCES, INC.</b>			Telephone Number <b>580-233-8955</b>
Address <b>P.O. Box 1032</b>		City <b>Enid</b>	State <b>OK</b> Zip Code <b>73702</b>

☒ Notice has been provided to the owner of any permanently occupied dwelling within 1,320 feet.

☒ This well is not located within five hundred feet of an occupied dwelling.

## WELL INFORMATION (If more than one lateral proposed, enter data for additional laterals on page 2)

Well Name <b>BOHMBACH</b>				Well Number <b>1-35H</b>			
Surface Footages <b>200 F S L 1320 F W L</b>		Qtr-Qtr <b>SESW</b>	Section <b>35</b>	Township <b>153 N</b>	Range <b>94 W</b>	County <b>McKenzie</b>	
Longstring Casing Point Footages <b>645 F S L 1319 F W L</b>		Qtr-Qtr <b>SESW</b>	Section <b>35</b>	Township <b>153 N</b>	Range <b>94 W</b>	County <b>McKenzie</b>	
Longstring Casing Point Coordinates From Well Head <b>445 N From WH 1 W From WH</b>		Azimuth <b>360 °</b>	Longstring Total Depth <b>11078 Feet MD 10821 Feet TVD</b>				
Bottom Hole Footages From Nearest Section Line <b>510 F N L 1304 F W L</b>		Qtr-Qtr <b>NWNW</b>	Section <b>26</b>	Township <b>153 N</b>	Range <b>94 W</b>	County <b>McKenzie</b>	
Bottom Hole Coordinates From Well Head <b>9849 N From WH 16 W From WH</b>		KOP Lateral 1 <b>10381 Feet MD</b>	Azimuth Lateral 1 <b>360 °</b>		Estimated Total Depth Lateral 1 <b>20482 Feet MD 10721 Feet TVD</b>		
Latitude of Well Head <b>48 ° 01 ' 26.98 "</b>		Longitude of Well Head <b>-102 ° 44 ' 11.34 "</b>		NAD Reference <b>NAD83</b>		Description of (Subject to NDIC Approval) <b>SPACING UNIT: Sec 26 &amp; 35-153N-94W</b>	
Ground Elevation <b>2157 Feet Above S.L.</b>		Acres in Spacing/Drilling Unit <b>1280</b>		Spacing/Drilling Unit Setback Requirement <b>500 Feet N/S 1220 Feet E/W</b>		Industrial Commission Order <b>13106</b>	
North Line of Spacing/Drilling Unit <b>5276 Feet</b>		South Line of Spacing/Drilling Unit <b>5277 Feet</b>		East Line of Spacing/Drilling Unit <b>10558 Feet</b>		West Line of Spacing/Drilling Unit <b>10560 Feet</b>	
Objective Horizons <b>Three Forks</b>						Pierre Shale Top <b>400</b>	
Proposed Surface Casing	Size <b>9 - 5/8 "</b>	Weight <b>36 Lb./Ft.</b>	Depth <b>1851 Feet</b>	Cement Volume <b>733 Sacks</b>	<b>NOTE: Surface hole must be drilled with fresh water and surface casing must be cemented back to surface.</b>		
Proposed Longstring Casing	Size <b>7 - "</b>	Weight(s) <b>26-32 Lb./Ft.</b>	Longstring Total Depth <b>11078 Feet MD 10821 Feet TVD</b>		Cement Volume <b>1252 Sacks</b>	Cement Top <b>0 Feet</b>	Top Dakota Sand <b>5208 Feet</b>
Base Last Charles Salt (If Applicable) <b>9069 Feet</b>		<b>NOTE: Intermediate or longstring casing string must be cemented above the top Dakota Group Sand.</b>					
Proposed Logs <b>CBL/GR from deepest depth obtainable to ground level.</b>							
Drilling Mud Type (Vertical Hole - Below Surface Casing) <b>Invert</b>				Drilling Mud Type (Lateral) <b>Brine</b>			
Survey Type in Vertical Portion of Well <b>MWD Every 100 Feet</b>		Survey Frequency: Build Section <b>30 Feet</b>		Survey Frequency: Lateral <b>90 Feet</b>		Survey Contractor <b>Professional Directional</b>	

**NOTE: A Gamma Ray log must be run to ground surface and a CBL must be run on intermediate or longstring casing string if set.**

Surveys are required at least every 30 feet in the build section and every 90 feet in the lateral section of a horizontal well. Measurement inaccuracies are not considered when determining compliance with the spacing/drilling unit boundary setback requirement except in the following scenarios: 1) When both the angle between the well bore and the respective boundary is 10 degrees or less and the well bore is within 150 feet of the respective setback requirement; or 2) If industry standard methods and equipment are not utilized. Consult the applicable field order for exceptions.

If measurement inaccuracies are required to be considered, a 2° MWD measurement inaccuracy will be applied to the horizontal portion of the well bore. This measurement inaccuracy is applied to the well bore from KOP to TD.

**REQUIRED ATTACHMENTS:** Certified surveyor's plat, horizontal section plat, estimated geological tops, proposed mud/cementing plan, directional plot/plan, \$100 fee.  
See Page 2 for Comments section and signature block.



**COMMENTS, ADDITIONAL INFORMATION, AND/OR LIST OF ATTACHMENTS**

--

**Lateral 2**

KOP Lateral 2 Feet MD	Azimuth Lateral 2 °	Estimated Total Depth Lateral 2 Feet MD      Feet TVD		KOP Coordinates From Well Head From WH      From WH	
Formation Entry Point Coordinates From Well Head From WH      From WH		Bottom Hole Coordinates From Well Head From WH      From WH			
KOP Footages From Nearest Section Line F      L      F      L		Qtr-Qtr	Section	Township N	Range W      County
Bottom Hole Footages From Nearest Section Line F      L      F      L		Qtr-Qtr	Section	Township N	Range W      County

**Lateral 3**

KOP Lateral 3 Feet MD	Azimuth Lateral 3 °	Estimated Total Depth Lateral 3 Feet MD      Feet TVD		KOP Coordinates From Well Head From WH      From WH	
Formation Entry Point Coordinates From Well Head From WH      From WH		Bottom Hole Coordinates From Well Head From WH      From WH			
KOP Footages From Nearest Section Line F      L      F      L		Qtr-Qtr	Section	Township N	Range W      County
Bottom Hole Footages From Nearest Section Line F      L      F      L		Qtr-Qtr	Section	Township N	Range W      County

**Lateral 4**

KOP Lateral 4 Feet MD	Azimuth Lateral 4 °	Estimated Total Depth Lateral 4 Feet MD      Feet TVD		KOP Coordinates From Well Head From WH      From WH	
Formation Entry Point Coordinates From Well Head From WH      From WH		Bottom Hole Coordinates From Well Head From WH      From WH			
KOP Footages From Nearest Section Line F      L      F      L		Qtr-Qtr	Section	Township N	Range W      County
Bottom Hole Footages From Nearest Section Line F      L      F      L		Qtr-Qtr	Section	Township N	Range W      County

**Lateral 5**

KOP Lateral 5 Feet MD	Azimuth Lateral 5 °	Estimated Total Depth Lateral 5 Feet MD      Feet TVD		KOP Coordinates From Well Head From WH      From WH	
Formation Entry Point Coordinates From Well Head From WH      From WH		Bottom Hole Coordinates From Well Head From WH      From WH			
KOP Footages From Nearest Section Line F      L      F      L		Qtr-Qtr	Section	Township N	Range W      County
Bottom Hole Footages From Nearest Section Line F      L      F      L		Qtr-Qtr	Section	Township N	Range W      County

I hereby swear or affirm the information provided is true, complete and correct as determined from all available records.		Date <b>4 / 28 / 2009</b>
<b>ePermit</b>	Printed Name <b>Becky Barnes</b>	Title <b>Regulatory Compliance Specialist</b>

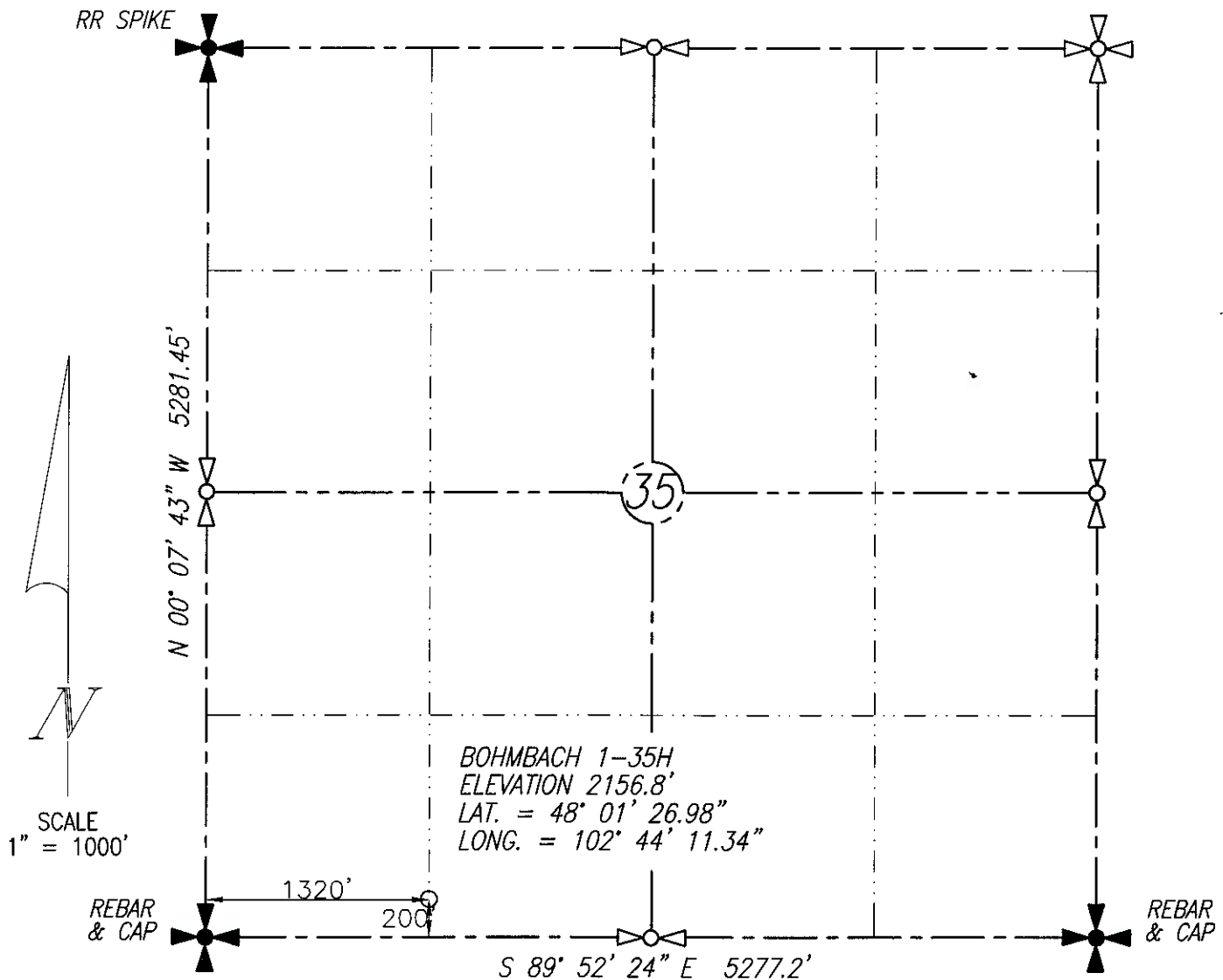
**FOR STATE USE ONLY**

Permit and File Number <b>18137</b>	API Number <b>33 - 053 - 03027</b>
Field <b>ELM TREE</b>	
Pool <b>BAKKEN</b>	Permit Type <b>DEVELOPMENT</b>

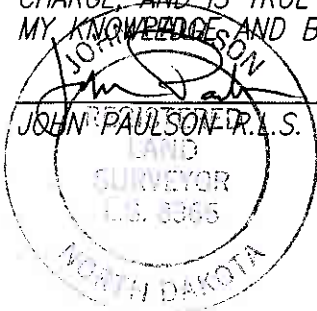
**FOR STATE USE ONLY**

Date Approved <b>5 / 7 / 2009</b>
By <b>Todd Holweger</b>
Title <b>Mineral Resources Permit Manager</b>

WELL LOCATION PLAT  
CONTINENTAL RESOURCES INC.  
BOHMBACH 1-35H  
SECTION 35, T153N, R94W  
MCKENZIE COUNTY, N.D.  
200' FSL & 1320' FWL



I CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS  
WORK PERFORMED BY ME OR UNDER MY RESPONSIBLE  
CHARGE, AND IS TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF



DATE STAKED: 3-23-2009

BASIS OF VERTICAL DATUM:  
NAVD 1988 GEOID 03

PERSON AUTHORIZING SURVEY;  
SUNNY SHEPARD

EXPLANATION AREA:  
NAD83(CORS96)

BASIS OF BEARING: TRUE NORTH

**BROSZ ENGINEERING INC.**

BOX 357  
BOWMAN, N.D. 58623  
PHONE: 701-523-3340  
FAX: 701-523-5243  
PROJECT NO. 09-10



April 28, 2009

Industrial Commission of North Dakota  
Oil & Gas Division  
600 East Boulevard, Dept 405  
Bismarck, North Dakota 58505

Re: Bohmbach 1-35H

Continental Resources, Inc., would like to request all filings and information regarding the above captioned well be considered "Tight Hole".

Please charge the Continental Resources, Inc., credit card that is on file with your agency for the application fee of this well.

Thank you for your prompt attention to this matter. If you have any questions, you may contact me at 580-548-5161 or email the following [beckybarnes@contres.com](mailto:beckybarnes@contres.com).

Sincerely,

**CONTINENTAL RESOURCES, INC.**

  
Becky Barnes  
Regulatory Compliance Specialist

**Continental Resources, Inc.**

Drilling Program  
Bohmbach 1-35H  
Page 1

**ADDITIONAL INFORMATION**

Objective Horizon: Three Forks

Mud Program: (13 1/2" Hole) Spud in w/ freshwater. Allow vis to increase to 40 sec/qt prior to running casing. Treat any losses w/ cedar fiber. Mud wt 8.3 - 9.1 ppg, vis 28-40 sec/qt.

Surface Csg- Intermediate Csg Point (8 3/4" Hole) Thoroughly clean tanks. Displace hole w/ 70/30 to 80/20 Invert Oil/Water Mud after drilling cement shoe & float equipment. Mud Wt. 9.0-10.0 ppg, vis 35-40, WL 10 cc, HTHP 20-40 cc, YP 8-13 lbs/100 sq ft.

Lateral Section (6" Hole) 9.7 -10.5 ppg 80/20 to 85/15 Invert Oil/Water Mud vis 35-40, WL 10 cc.

Casing Program: 16" Conductor, GL to 40'. Pre-set 16" 0.219" wall thickness, 37 ppf conductor in 26" hole with rat-hole digger. Cement to surface with 7 sk/yd grout.

9 5/8" Surface, GL to 50' into Pierre Shale. Drill a 13 1/2" hole to Pierre Shale + 50', set 9 5/8" 36 ppf J-55 casing.

7" Intermediate Casing, GL to Bakken Pool. Drill 8 3/4" hole from Srf Csg to Bakken Pool. Cement to 200 ft above top of Dakota sands with lead 12.2 ppg slurry. 15.6 tail slurry includes silica flour for thermal strength retrogression, to cover all salts.

Run casing as follows:

0' to 40-80' (2 joints)	7", 32 ppf, P-110, LTC
60' - 4,000'	7", 26 ppf, P-110, LTC
4,000' - 150' above Charles Salt	7", 29 ppf, P-110, LTC
Cover Charles Salt	7", 32 ppf, P-110, LTC
150' below Charles Salt – 7" Csg pt.	7", 29 ppf, P-110, LTC

4 1/2" Production Liner. Drill a 6" hole from 7" Intermediate Csg shoe to TD at 30-50 ft short of hard line.

Run liner as follows:

Top of Liner, at or above KOP to 50-150 ft from TD

4 1/2", 11.6 ppf, P-110, BTC



**Continental Resources, Inc.**  
Drilling Program

Cement Program: Surface Casing (9 5/8" 36 ppf, J-55) Lead with 250 sx Class C with high yield, water control additives and cello and/or poly flakes. Mixed @ 11.2 ppg, 3.2 cu ft/sk. Follow with Tail of 483 sx Class C with 3% sodium chloride and cello and/or poly flakes. Displace w/ fresh water. (Circ cement to surface.) Wait on cement 12 hr before cut-off and 12 hr nipple up before drill out shoe.

7" Intermediate Csg (7", 26, 29 & 32 ppf, P-110) Pump 40 bbl diesel spacer, 150 bbl brine, 20 bbl wash & 10 bbl freshwater. Lead w/ 872 sx Premium Lite mixed @ 12.0 ppg, 2.37 yld, to include cello and/or poly flake and . Tail-in w/ 380 sx Class G with Cello and/or Poly Flakes mixed @ 15.6 ppg, 1.59 yld. Wait on cement 12 hr before cut-off and 12 hr nipple up before drill out shoe. Intend to cement to surface.

Intermediate Csg Point – TD 4 1/2" Liner, Un-cemented

BOP Program: Blowout Preventer. An 11" 5000 psi dual ram (blind and pipe), 5000 psi annular BOP stack with 5000 psi choke manifold will be installed on the 9 5/8" x 11" surface and on the 7" intermediate casing strings. The accumulator unit will be located a minimum of sixty feet from the rig floor.

Testing. The BOP stack and all related equipment shall be subjected to a hydrostatic pressure test against the casing (test plug will be utilized if compatible with BOP/wellhead size) upon installation to 4000 psi. BOP pipe rams will be function checked at least once per 24 hour period to insure operational status. Blind rams will be function checked on trips.

Survey Freq: 30' in Build Section, 90' in Vertical & Lateral Section.

Logs: MWD Survey from Surf Csg to TD.  
MWD Gamma Ray from KOP to TD.  
GR/CBL from deepest depth obtainable above 7" Csg Shoe to Surface.

Reserve Pit: A 12 mil plastic liner will be used to line the reserve pit during the drilling operations. Drilling fluids and cuttings will be disposed of by trucking free liquids to an approved Class II disposal, evaporation of the remaining liquids and back filling of the solids within the lined reserve pit.

# DRILLING PROGNOSIS

**Prospect: Wayzetta**

Bombach 1-35H

**Location:**

Secs. 35 & 26, 153N-94W

☒ Staked

fka Millicent

McKenzie Co., ND

☐ Pre-Staked

**NOTE: Three Forks Target**

**Surface Location:**

200' FSL & 1320' FWL  
Sec. 35, T153N, R94W

**BHL Lateral:**

500' FNL & 1320' FWL  
Sec. 26, T153N, R94W

Cyclone 21 RKB = 22

Cyclone 23 RKB = 20

RKB = 20

**GL:**

2,156

**KB est :**

2,176

FORMATION	SUBSEA DEPTH	TVD
Pierre Shale	400	1,776
Greenhorn	-2,162	4,338
Mowry	-2,563	4,739
Dakota	-3,032	5,208
Rierdon	-3,853	6,029
Piper	-4,146	6,322
Dunham Salt Top	-4,331	6,507
Dunham Salt Base	-4,359	6,535
Pine Salt Top	-4,640	6,816
Pine Salt Base	-4,683	6,859
Minnekahta	-4,743	6,919
Opeche Salt Top	-4,846	7,022
Opeche Salt Base	-4,898	7,074
Minnelusa	-5,195	7,371
Tyler	-5,919	8,095
Kibbey	-6,075	8,251
Top Charles	-6,227	8,403
Base Last Charles Salt	-6,893	9,069
Top Ratcliffe Anhydrite	NP	n/a
Mission Canyon	-7,074	9,250
Top Fryburg Anhydrite	-7,111	9,287
Lodgepole	-7,705	9,881
Upper Bakken Shale	-8,518	10,694
Middle Bakken Member	-8,539	10,715
Lower Bakken Shale	-8,589	10,765
Three Forks/Base of Sha	-8,630	10,806
Three Forks Target	-8,650	10,826
End of Lateral (North)	-8,545	10,721

TM 4-8-09

# Continental Resources Inc.



**Project:** McKenzie County, ND  
**Site:** Bohmbach 1-35H  
**Well:** Bohmbach1-35H  
**Wellbore:** Original Hole  
**Plan:** Plan 1  
**Rig:** Patterson 180



## Section Details Plan 1

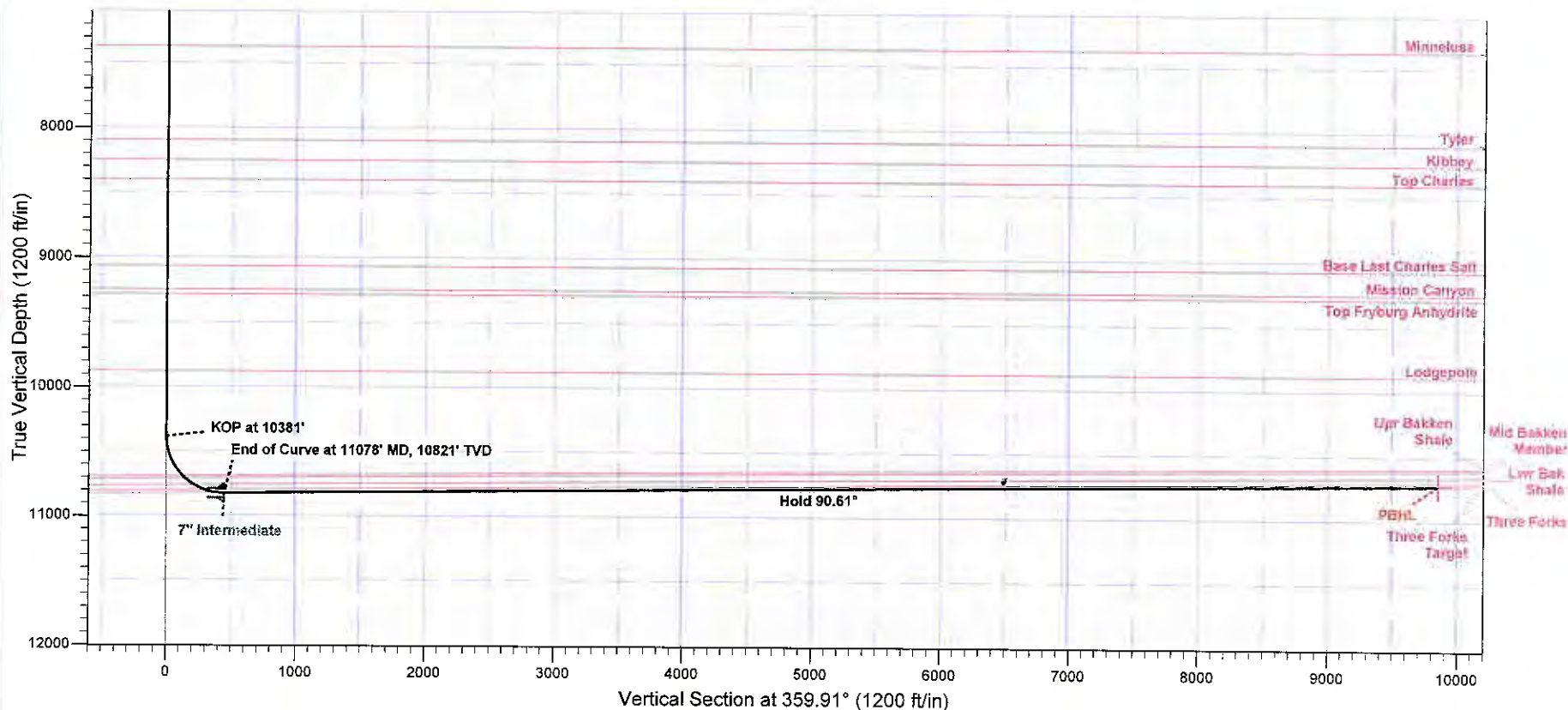
MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00000	0.00	
10380.54	0.00	0.00	10380.54	0.00	0.00	0.00	0.00000	0.00	
11077.55	90.61	359.91	10821.25	445.44	-0.74	13.00	359.90515	445.44	
20481.63	90.61	359.91	10721.00	9848.97	-16.31	0.00	0.00000	9848.99	PBHL

Surface Location:  
 SHL 200' FSL & 1320' FWL Sec 35-T153N-R94W

US State Plane 1983  
 North Dakota Northern Zone  
 Elevation: 2156' GL + 20' RKB @ 2176.00ft (Patterson 180)  
 Northing Easting Latitude Longitude  
 381526.01 1421301.78 48° 1' 26.980 N 102° 44' 11.340 W

## TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape Point
PBHL	10721.00	9848.97	-16.31	391371.29	1421571.52	48° 3' 4.180 N	102° 44' 11.580 W	



Created By: Jim Onisko Date: 10:05, April 09 2009

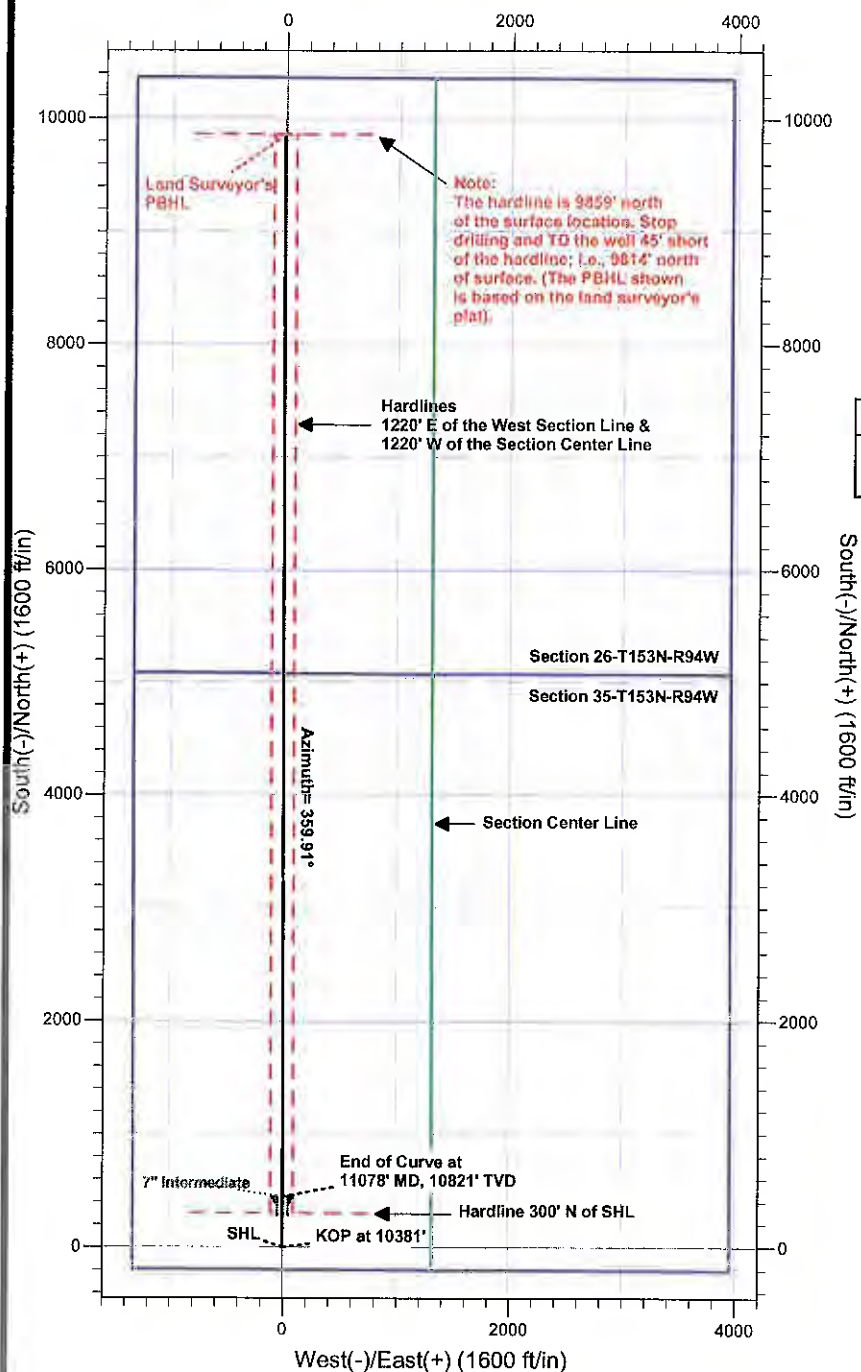
Project: McKenzie County, ND  
 Site: Bohmbach1-35H  
 Well: Bohmbach 1-35H  
 Wellbore: Original Hole  
 Plan: Plan 1  
 Rig: Patterson 180

### Section Details Plan 1

MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00000	0.00	
10380.54	0.00	0.00	10380.54	0.00	0.00	0.00	0.00000	0.00	
11077.55	90.61	359.91	10821.25	445.44	-0.74	13.00	359.90515	445.44	
20481.63	90.61	359.91	10721.00	9848.97	-16.31	0.00	0.00000	9848.99	PBHL

### TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	10721.00	9848.97	-16.31	391371.29	1421571.52	48° 3' 4.180 N	102° 44' 11.580 W	Point



Surface Location:  
SHL 200' FSL & 1320' FWL Sec 35-T153N-R94W

US State Plane 1983  
 North Dakota Northern Zone  
 Elevation: 2156' GL + 20' RKB @ 2176.00ft (Patterson 180)  
 Northing Easting Latitude Longitude  
 381526.01 1421301.78 48° 1' 26.980 N 102° 44' 11.340 W

To convert a Magnetic Direction to a True Direction, Add 8.38885° East

Magnetic Model: IGRF200510 Date: 09-Apr-09  
 Azimuths to True North







# **Continental Resources Inc.**

**McKenzie County, ND**

**Bohmbach 1-35H**

**Original Hole**

**Plan: Plan 1**

## **Standard Planning Report**

**09 April, 2009**





# Professional Directional Planning Report



Database:	-EDM 2003.21 Single User Db.	Local Co-ordinate Reference:	Well Bohmbach 1-35H
Company:	Continental Resources Inc.	TVD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Project:	McKenzie County, ND	MD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Site:		North Reference:	True
Well:		Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan 1		

Project	McKenzie County, ND		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	North Dakota Northern Zone		

Site		Bohmbach 1-35H			
Site Position:		Northing:	381,526.02ft	Latitude:	48° 1' 26.980 N
From:	Lat/Long	Easting:	1,421,301.78ft	Longitude:	102° 44' 11.340 W
Position Uncertainty:	0.00 ft	Slot Radius:	"	Grid Convergence:	B -1.66424 °

Well:	Bohmbach 1-35H					
Well Position	+N/-S	0.00 ft	Northing:	381,526.01 ft	Latitude:	48° 1' 26.980 N
	+E/-W	0.00 ft	Easting:	1,421,301.78 ft	Longitude:	102° 44' 11.340 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:Boohm	2,156.00ft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	2009/04/09	8.38885	73.31339	57,037

Design	Plan 1			
Audit Notes:	SHL 200' FSL & 1320' FWL Sec 35-T153N-R94W			
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00	0.00	0.00	359.91

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00000	
10,380.54	0.00	0.00	10,380.54	0.00	0.00	0.00	0.00	0.00	0.00000	
11,077.55	90.61	359.91	10,821.25	445.44	-0.74	13.00	13.00	0.00	359.90515	
20,481.63	90.61	359.91	10,721.00	9,848.97	-16.31	0.00	0.00	0.00	0.00000	PBHL

Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Bohmbach 1-35H
Company:	Continental Resources Inc.	TVD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Project:	McKenzie County, ND	MD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Site:		North Reference:	True
Well:		Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan 1		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,776.00	0.00	0.00	1,776.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Pierre Shale</b>									
1,851.00	0.00	0.00	1,851.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>9-5/8" Surface</b>									
4,338.00	0.00	0.00	4,338.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Greenhorn</b>									
4,739.00	0.00	0.00	4,739.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Mowry</b>									
5,208.00	0.00	0.00	5,208.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Dakota</b>									
6,029.00	0.00	0.00	6,029.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Rierdon</b>									
6,322.00	0.00	0.00	6,322.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Piper</b>									
6,507.00	0.00	0.00	6,507.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Top Dunham Salt</b>									
6,535.00	0.00	0.00	6,535.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Base Dunham Salt</b>									
6,816.00	0.00	0.00	6,816.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Top Pine Salt</b>									
6,859.00	0.00	0.00	6,859.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Base Pine Salt</b>									
6,919.00	0.00	0.00	6,919.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Minnekahta</b>									
7,022.00	0.00	0.00	7,022.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Top Opeche Salt</b>									
7,074.00	0.00	0.00	7,074.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Base Opeche Salt</b>									
7,371.00	0.00	0.00	7,371.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Minnelusa</b>									
8,095.00	0.00	0.00	8,095.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Tyler</b>									
8,251.00	0.00	0.00	8,251.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Kibbey</b>									
8,403.00	0.00	0.00	8,403.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Top Charles</b>									
9,069.00	0.00	0.00	9,069.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Base Last Charles Salt</b>									
9,250.00	0.00	0.00	9,250.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Mission Canyon</b>									
9,287.00	0.00	0.00	9,287.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Top Fryburg Anhydrite</b>									
9,881.00	0.00	0.00	9,881.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Lodgepole</b>									
10,380.54	0.00	0.00	10,380.54	0.00	0.00	0.00	0.00	0.00	0.00
<b>KOP at 10381'</b>									
10,400.00	2.53	359.91	10,399.99	0.43	0.00	0.43	13.00	13.00	0.00
10,500.00	15.53	359.91	10,498.54	16.09	-0.03	16.09	13.00	13.00	0.00
10,600.00	28.53	359.91	10,591.04	53.52	-0.09	53.52	13.00	13.00	0.00





# Professional Directional Planning Report



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Company:	Continental Resources Inc.	TVD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Project:	McKenzie County, ND	MD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Site:		North Reference:	True
Well:		Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan 1		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,700.00	41.53	359.91	10,672.75	110.80	-0.18	110.80	13.00	13.00	0.00
10,727.30	45.08	359.91	10,692.62	129.52	-0.21	129.52	13.00	13.00	0.00
Upper Bakken Shale - 10694' TVD at 0' VS									
10,757.79	49.04	359.91	10,713.38	151.83	-0.25	151.83	13.00	13.00	0.00
Middle Bakken Member - 10715' TVD at 0' VS									
10,800.00	54.53	359.91	10,739.48	184.99	-0.31	184.99	13.00	13.00	0.00
10,842.91	60.11	359.91	10,762.64	221.09	-0.37	221.09	13.00	13.00	0.00
Lower Bakken Shale - 10765' TVD at 0' VS									
10,900.00	67.53	359.91	10,787.82	272.29	-0.45	272.29	13.00	13.00	0.00
10,944.27	73.28	359.91	10,802.65	313.97	-0.52	313.97	13.00	13.00	0.00
Three Forks - 10806' TVD at 0' VS									
11,000.00	80.53	359.91	10,815.27	368.22	-0.61	368.22	13.00	13.00	0.00
11,077.55	90.61	359.91	10,821.25	445.44	-0.74	445.44	13.00	13.00	0.00
End of Curve at 11078' MD, 10821' TVD; Three Forks Target - 10826' TVD at 0' VS; Run 7" Casing									
11,100.00	90.61	359.91	10,821.01	467.89	-0.77	467.89	0.00	0.00	0.00
11,200.00	90.61	359.91	10,819.95	567.88	-0.94	567.88	0.00	0.00	0.00
11,300.00	90.61	359.91	10,818.88	667.88	-1.11	667.88	0.00	0.00	0.00
11,400.00	90.61	359.91	10,817.81	767.87	-1.27	767.87	0.00	0.00	0.00
11,500.00	90.61	359.91	10,816.75	867.86	-1.44	867.87	0.00	0.00	0.00
11,600.00	90.61	359.91	10,815.68	967.86	-1.60	967.86	0.00	0.00	0.00
11,700.00	90.61	359.91	10,814.62	1,067.85	-1.77	1,067.85	0.00	0.00	0.00
11,800.00	90.61	359.91	10,813.55	1,167.85	-1.93	1,167.85	0.00	0.00	0.00
11,900.00	90.61	359.91	10,812.48	1,267.84	-2.10	1,267.84	0.00	0.00	0.00
12,000.00	90.61	359.91	10,811.42	1,367.84	-2.26	1,367.84	0.00	0.00	0.00
12,100.00	90.61	359.91	10,810.35	1,467.83	-2.43	1,467.83	0.00	0.00	0.00
12,200.00	90.61	359.91	10,809.29	1,567.82	-2.60	1,567.83	0.00	0.00	0.00
12,300.00	90.61	359.91	10,808.22	1,667.82	-2.76	1,667.82	0.00	0.00	0.00
12,400.00	90.61	359.91	10,807.15	1,767.81	-2.93	1,767.81	0.00	0.00	0.00
12,500.00	90.61	359.91	10,806.09	1,867.81	-3.09	1,867.81	0.00	0.00	0.00
12,600.00	90.61	359.91	10,805.02	1,967.80	-3.26	1,967.80	0.00	0.00	0.00
12,700.00	90.61	359.91	10,803.96	2,067.79	-3.42	2,067.80	0.00	0.00	0.00
12,800.00	90.61	359.91	10,802.89	2,167.79	-3.59	2,167.79	0.00	0.00	0.00
12,900.00	90.61	359.91	10,801.82	2,267.78	-3.75	2,267.79	0.00	0.00	0.00
13,000.00	90.61	359.91	10,800.76	2,367.78	-3.92	2,367.78	0.00	0.00	0.00
13,100.00	90.61	359.91	10,799.69	2,467.77	-4.09	2,467.77	0.00	0.00	0.00
13,200.00	90.61	359.91	10,798.63	2,567.77	-4.25	2,567.77	0.00	0.00	0.00
13,300.00	90.61	359.91	10,797.56	2,667.76	-4.42	2,667.76	0.00	0.00	0.00
13,400.00	90.61	359.91	10,796.49	2,767.75	-4.58	2,767.76	0.00	0.00	0.00
13,500.00	90.61	359.91	10,795.43	2,867.75	-4.75	2,867.75	0.00	0.00	0.00
13,600.00	90.61	359.91	10,794.36	2,967.74	-4.91	2,967.75	0.00	0.00	0.00
13,700.00	90.61	359.91	10,793.30	3,067.74	-5.08	3,067.74	0.00	0.00	0.00
13,800.00	90.61	359.91	10,792.23	3,167.73	-5.24	3,167.73	0.00	0.00	0.00
13,900.00	90.61	359.91	10,791.16	3,267.72	-5.41	3,267.73	0.00	0.00	0.00
14,000.00	90.61	359.91	10,790.10	3,367.72	-5.58	3,367.72	0.00	0.00	0.00
14,100.00	90.61	359.91	10,789.03	3,467.71	-5.74	3,467.72	0.00	0.00	0.00
14,200.00	90.61	359.91	10,787.96	3,567.71	-5.91	3,567.71	0.00	0.00	0.00
14,300.00	90.61	359.91	10,786.90	3,667.70	-6.07	3,667.71	0.00	0.00	0.00
14,400.00	90.61	359.91	10,785.83	3,767.70	-6.24	3,767.70	0.00	0.00	0.00
14,500.00	90.61	359.91	10,784.77	3,867.69	-6.40	3,867.69	0.00	0.00	0.00
14,600.00	90.61	359.91	10,783.70	3,967.68	-6.57	3,967.69	0.00	0.00	0.00
14,700.00	90.61	359.91	10,782.63	4,067.68	-6.73	4,067.68	0.00	0.00	0.00





# Professional Directional Planning Report



Database:	EDM 2003.21 Single-User DB	Local Co-ordinate Reference:	Well-Bohrnbach 1-35H
Company:	Continental Resources Inc.	TVD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Project:	McKenzie County, ND	MD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Site:		North Reference:	True
Well:		Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan 1		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14,800.00	90.61	359.91	10,781.57	4,167.67	-6.90	4,167.68	0.00	0.00	0.00
14,900.00	90.61	359.91	10,780.50	4,267.67	-7.07	4,267.67	0.00	0.00	0.00
15,000.00	90.61	359.91	10,779.44	4,367.66	-7.23	4,367.67	0.00	0.00	0.00
15,100.00	90.61	359.91	10,778.37	4,467.65	-7.40	4,467.66	0.00	0.00	0.00
15,200.00	90.61	359.91	10,777.30	4,567.65	-7.56	4,567.66	0.00	0.00	0.00
15,300.00	90.61	359.91	10,776.24	4,667.64	-7.73	4,667.65	0.00	0.00	0.00
15,400.00	90.61	359.91	10,775.17	4,767.64	-7.89	4,767.64	0.00	0.00	0.00
15,500.00	90.61	359.91	10,774.11	4,867.63	-8.06	4,867.64	0.00	0.00	0.00
15,600.00	90.61	359.91	10,773.04	4,967.63	-8.22	4,967.63	0.00	0.00	0.00
15,700.00	90.61	359.91	10,771.97	5,067.62	-8.39	5,067.63	0.00	0.00	0.00
15,800.00	90.61	359.91	10,770.91	5,167.61	-8.56	5,167.62	0.00	0.00	0.00
15,900.00	90.61	359.91	10,769.84	5,267.61	-8.72	5,267.62	0.00	0.00	0.00
16,000.00	90.61	359.91	10,768.78	5,367.60	-8.89	5,367.61	0.00	0.00	0.00
16,100.00	90.61	359.91	10,767.71	5,467.60	-9.05	5,467.60	0.00	0.00	0.00
16,200.00	90.61	359.91	10,766.64	5,567.59	-9.22	5,567.60	0.00	0.00	0.00
16,300.00	90.61	359.91	10,765.58	5,667.58	-9.38	5,667.59	0.00	0.00	0.00
16,400.00	90.61	359.91	10,764.51	5,767.58	-9.55	5,767.59	0.00	0.00	0.00
16,500.00	90.61	359.91	10,763.45	5,867.57	-9.71	5,867.58	0.00	0.00	0.00
16,600.00	90.61	359.91	10,762.38	5,967.57	-9.88	5,967.58	0.00	0.00	0.00
16,700.00	90.61	359.91	10,761.31	6,067.56	-10.04	6,067.57	0.00	0.00	0.00
16,800.00	90.61	359.91	10,760.25	6,167.56	-10.21	6,167.56	0.00	0.00	0.00
16,900.00	90.61	359.91	10,759.18	6,267.55	-10.38	6,267.56	0.00	0.00	0.00
17,000.00	90.61	359.91	10,758.12	6,367.54	-10.54	6,367.55	0.00	0.00	0.00
17,100.00	90.61	359.91	10,757.05	6,467.54	-10.71	6,467.55	0.00	0.00	0.00
17,200.00	90.61	359.91	10,755.98	6,567.53	-10.87	6,567.54	0.00	0.00	0.00
17,300.00	90.61	359.91	10,754.92	6,667.53	-11.04	6,667.54	0.00	0.00	0.00
17,400.00	90.61	359.91	10,753.85	6,767.52	-11.20	6,767.53	0.00	0.00	0.00
17,500.00	90.61	359.91	10,752.79	6,867.51	-11.37	6,867.52	0.00	0.00	0.00
17,600.00	90.61	359.91	10,751.72	6,967.51	-11.53	6,967.52	0.00	0.00	0.00
17,700.00	90.61	359.91	10,750.65	7,067.50	-11.70	7,067.51	0.00	0.00	0.00
17,800.00	90.61	359.91	10,749.59	7,167.50	-11.87	7,167.51	0.00	0.00	0.00
17,900.00	90.61	359.91	10,748.52	7,267.49	-12.03	7,267.50	0.00	0.00	0.00
18,000.00	90.61	359.91	10,747.46	7,367.49	-12.20	7,367.50	0.00	0.00	0.00
18,100.00	90.61	359.91	10,746.39	7,467.48	-12.36	7,467.49	0.00	0.00	0.00
18,200.00	90.61	359.91	10,745.32	7,567.47	-12.53	7,567.48	0.00	0.00	0.00
18,300.00	90.61	359.91	10,744.26	7,667.47	-12.69	7,667.48	0.00	0.00	0.00
18,400.00	90.61	359.91	10,743.19	7,767.46	-12.86	7,767.47	0.00	0.00	0.00
18,500.00	90.61	359.91	10,742.13	7,867.46	-13.02	7,867.47	0.00	0.00	0.00
18,600.00	90.61	359.91	10,741.06	7,967.45	-13.19	7,967.46	0.00	0.00	0.00
18,700.00	90.61	359.91	10,739.99	8,067.45	-13.36	8,067.46	0.00	0.00	0.00
18,800.00	90.61	359.91	10,738.93	8,167.44	-13.52	8,167.45	0.00	0.00	0.00
18,900.00	90.61	359.91	10,737.86	8,267.43	-13.69	8,267.44	0.00	0.00	0.00
19,000.00	90.61	359.91	10,736.79	8,367.43	-13.85	8,367.44	0.00	0.00	0.00
19,100.00	90.61	359.91	10,735.73	8,467.42	-14.02	8,467.43	0.00	0.00	0.00
19,200.00	90.61	359.91	10,734.66	8,567.42	-14.18	8,567.43	0.00	0.00	0.00
19,300.00	90.61	359.91	10,733.60	8,667.41	-14.35	8,667.42	0.00	0.00	0.00
19,400.00	90.61	359.91	10,732.53	8,767.40	-14.51	8,767.42	0.00	0.00	0.00
19,500.00	90.61	359.91	10,731.46	8,867.40	-14.68	8,867.41	0.00	0.00	0.00
19,600.00	90.61	359.91	10,730.40	8,967.39	-14.85	8,967.41	0.00	0.00	0.00
19,700.00	90.61	359.91	10,729.33	9,067.39	-15.01	9,067.40	0.00	0.00	0.00
19,800.00	90.61	359.91	10,728.27	9,167.38	-15.18	9,167.39	0.00	0.00	0.00
19,900.00	90.61	359.91	10,727.20	9,267.38	-15.34	9,267.39	0.00	0.00	0.00



# Professional Directional Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Bohmbach 1-3511
Company:	Continental Resources Inc.	TVD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Project:	McKenzie County, ND	MD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Site:		North Reference:	True
Well:		Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan 1		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
20,000.00	90.61	359.91	10,726.13	9,367.37	-15.51	9,367.38	0.00	0.00	0.00
20,100.00	90.61	359.91	10,725.07	9,467.36	-15.67	9,467.38	0.00	0.00	0.00
20,200.00	90.61	359.91	10,724.00	9,567.36	-15.84	9,567.37	0.00	0.00	0.00
20,300.00	90.61	359.91	10,722.94	9,667.35	-16.00	9,667.37	0.00	0.00	0.00
20,400.00	90.61	359.91	10,721.87	9,767.35	-16.17	9,767.36	0.00	0.00	0.00
20,481.63	90.61	359.91	10,721.00	9,848.97	-16.31	9,848.98	0.00	0.00	0.00
TD at 20482' MD, 10721' TVD									

## Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
11,077.55	10,821.25	7" Intermediate	7	8-3/4
1,851.00	1,851.00	9-5/8" Surface	9-5/8	12-1/4



# Professional Directional Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well Bohmbach 1-351
Company:	Continental Resources Inc.	TVD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Project:	McKenzie County, ND	MD Reference:	2156' GL + 20' RKB @ 2176.00ft (Patterson 180)
Site:		North Reference:	True
Well:		Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan 1		

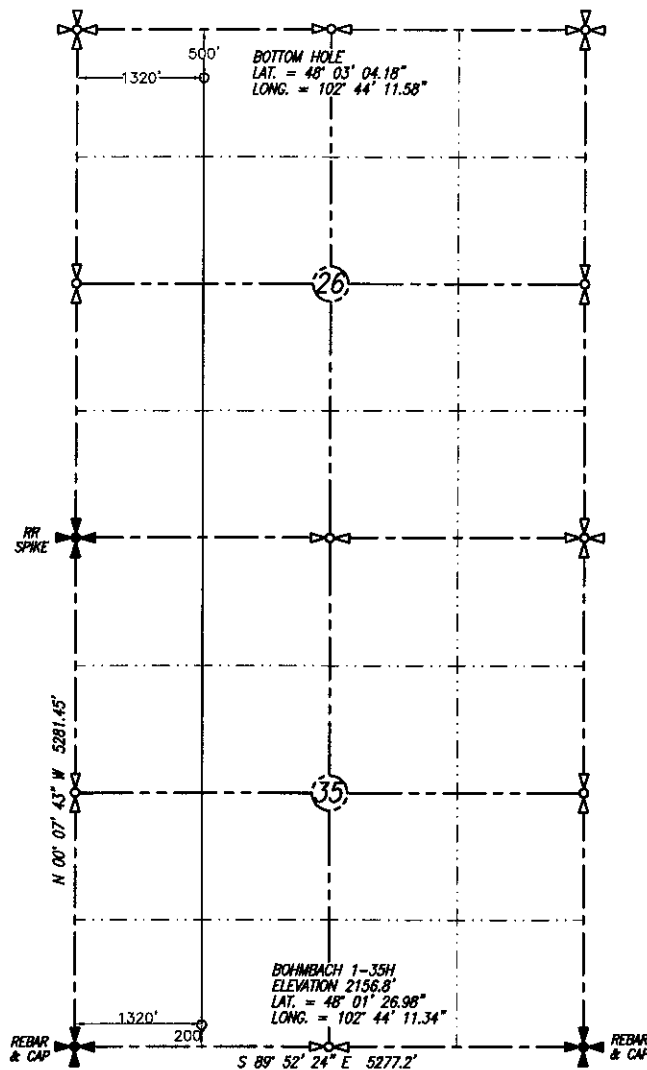
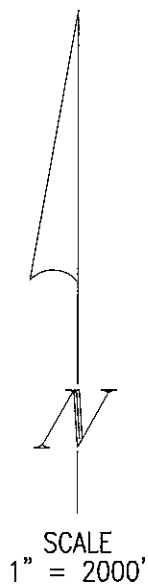
## Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,776.00	1,776.00	Pierre Shale		0.00000	
4,338.00	4,338.00	Greenhorn		0.00000	
4,739.00	4,739.00	Mowry		0.00000	
5,208.00	5,208.00	Dakota		0.00000	
6,029.00	6,029.00	Rierdon		0.00000	
6,322.00	6,322.00	Piper		0.00000	
6,507.00	6,507.00	Top Dunham Salt		0.00000	
6,535.00	6,535.00	Base Dunham Salt		0.00000	
6,816.00	6,816.00	Top Pine Salt		0.00000	
6,859.00	6,859.00	Base Pine Salt		0.00000	
6,919.00	6,919.00	Minnekahta		0.00000	
7,022.00	7,022.00	Top Opeche Salt		0.00000	
7,074.00	7,074.00	Base Opeche Salt		0.00000	
7,371.00	7,371.00	Minnelusa		0.00000	
8,095.00	8,095.00	Tyler		0.00000	
8,251.00	8,251.00	Kibbey		0.00000	
8,403.00	8,403.00	Top Charles		0.00000	
9,069.00	9,069.00	Base Last Charles Salt		0.00000	
9,250.00	9,250.00	Mission Canyon		0.00000	
9,287.00	9,287.00	Top Fryburg Anhydrite		0.00000	
9,881.00	9,881.00	Lodgepole		0.00000	
10,727.30	10,694.00	Upper Bakken Shale - 10694' TVD at		0.61081	359.91
10,757.79	10,715.00	Middle Bakken Member - 10715' TV		0.61081	359.91
10,842.91	10,765.00	Lower Bakken Shale - 10765' TVD at		0.61081	359.91
10,944.27	10,806.00	Three Forks - 10806' TVD at 0' VS		0.61081	359.91
11,077.55	10,826.00	Three Forks Target - 10826' TVD at		0.61081	359.91

## Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
10,380.54	10,380.54	0.00	0.00	KOP at 10381'
11,077.55	10,821.25	445.44	-0.74	End of Curve at 11078' MD, 10821' TVD
11,077.55	10,821.25	445.44	-0.74	Hold 90.61°
11,077.55	10,821.25	445.44	-0.74	Azimuth= 359.91°
20,481.63	10,721.00	9,848.97	-16.31	TD at 20482' MD, 10721' TVD

BOTTOM HOLE LOCATION PLAT  
 CONTINENTAL RESOURCES INC.  
 BOHMBACH 1-35H  
 SECTION 35, T153N, R94W  
 MCKENZIE COUNTY, N.D.  
 200' FSL & 1320' FWL



I CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS  
 WORK PERFORMED BY ME OR UNDER MY RESPONSIBLE  
 CHARGE, AND IS TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF

JOHN PAULSON R.L.S.

3366

REGISTERED  
 LAND  
 SURVEYOR  
 L.S. 3366

DATE STAKED: 3-23-2009

BASIS OF VERTICAL DATUM:  
 NAVD 1988 GEOID 03

PERSON AUTHORIZING SURVEY;  
 SUNNY SHEPARD

EXPLANATION AREA:  
 NAD83 (CORS96)

BASIS OF BEARING:  
 TRUE NORTH

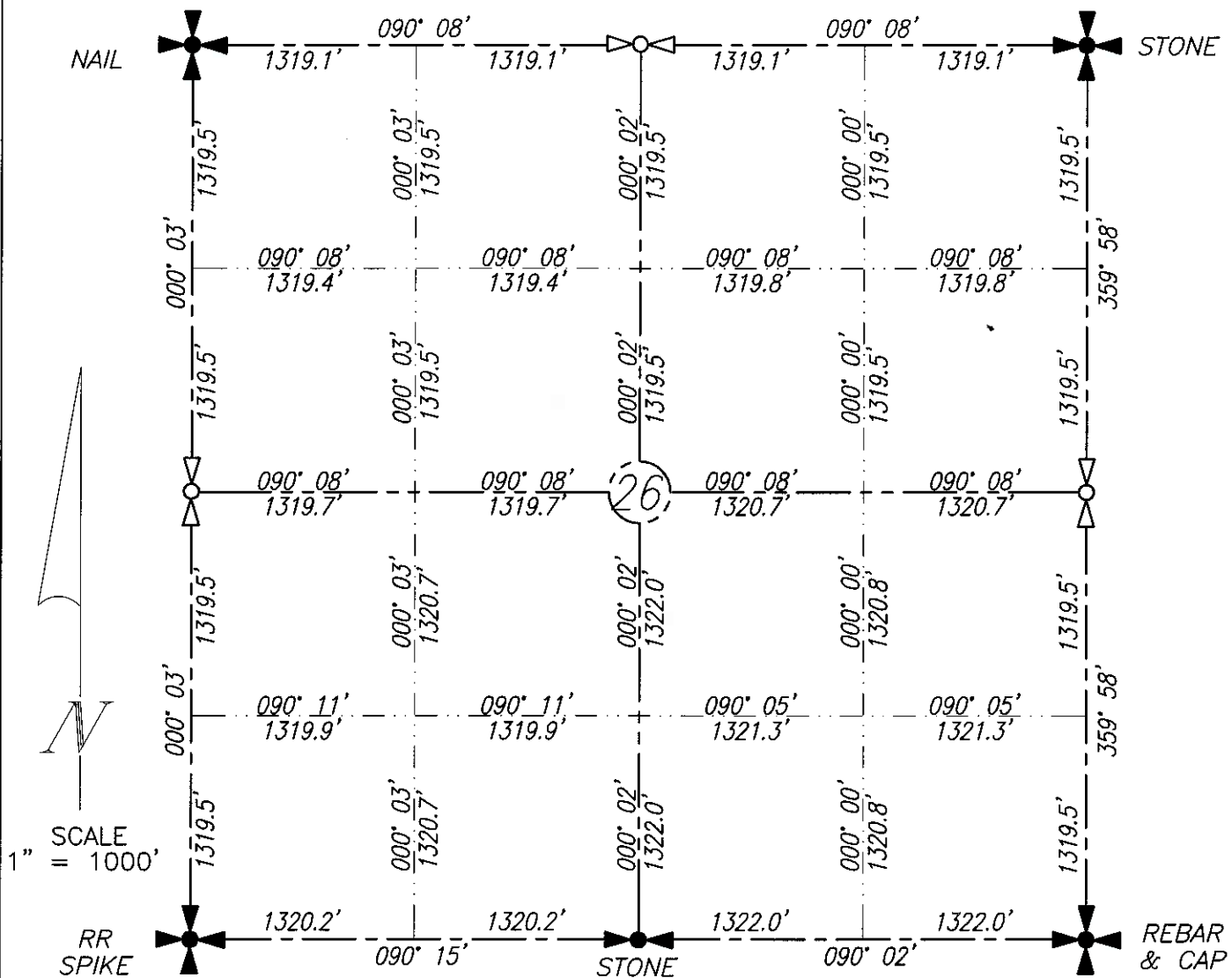
**BROSZ ENGINEERING INC.**

BOX 357  
 BOWMAN, N.D. 58623  
 PHONE: 701-523-3340  
 FAX: 701-523-5243

PROJECT NO. 09-10



HORIZONTAL SECTION PLAT  
CONTINENTAL RESOURCES INC.  
P.O. BOX 1032 ENID, OK 73702  
BOHMBACH 1-35H  
SECTION 26, T153N, R94W  
MCKENZIE COUNTY, N.D.



ALL CORNERS SHOWN ON THIS PLAT WERE FOUND IN THE FIELD  
DISTANCES TO ALL OTHERS ARE CALCULATED.  
ALL BEARINGS SHOWN ARE ASSUMED.

I CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS  
WORK PERFORMED BY ME OR UNDER MY RESPONSIBLE  
CHARGE, AND IS TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. S. 3366

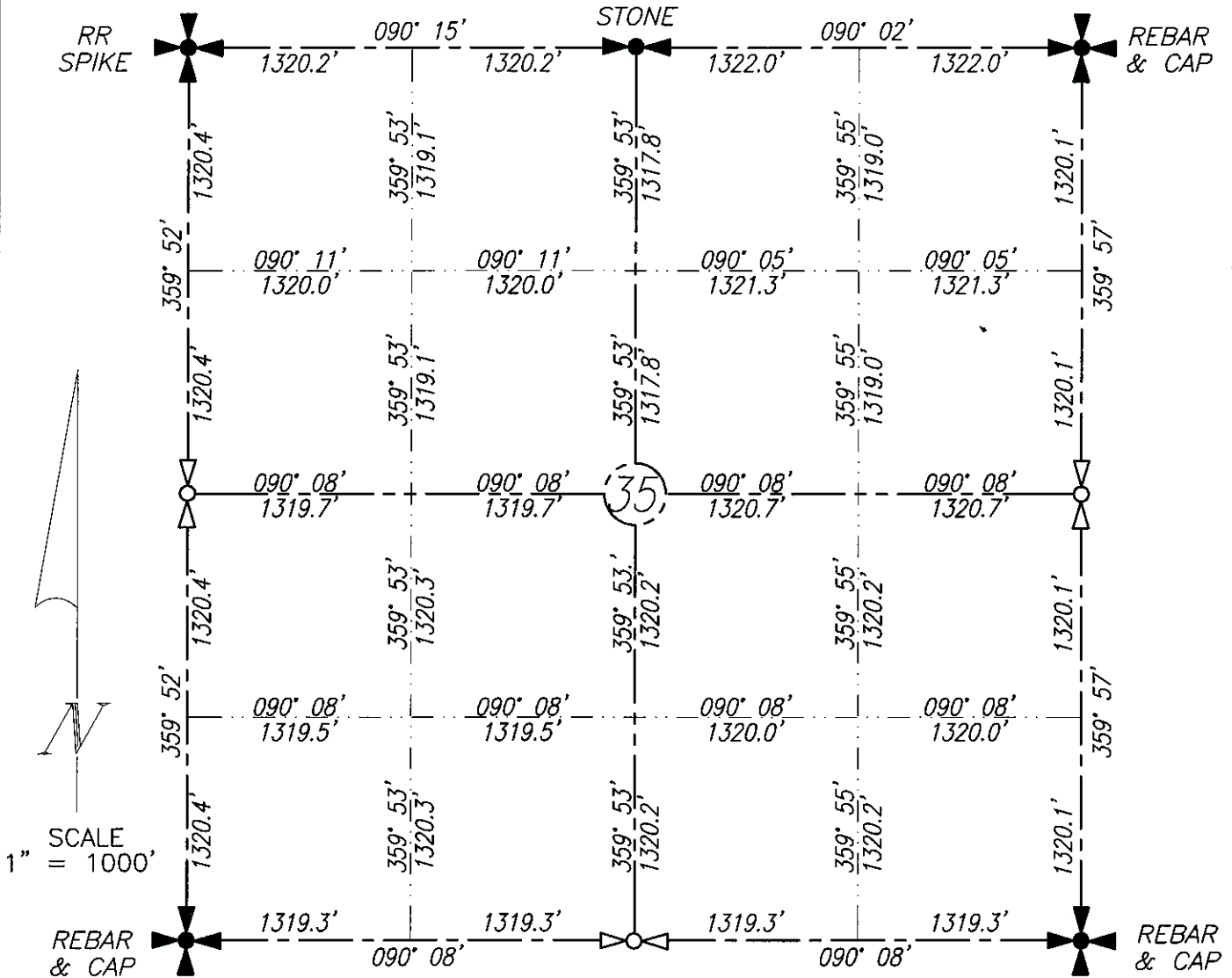
JOHN PAULSON R.L.S. 3366

**BROSZ ENGINEERING INC.**

BOX 357  
BOWMAN, N.D. 58623  
PHONE: 701-523-3340  
FAX: 701-523-5243  
PROJECT NO. 09-10



HORIZONTAL SECTION PLAT  
CONTINENTAL RESOURCES INC.  
P.O. BOX 1032 ENID, OK 73702  
BOHMBACH 1-35H  
SECTION 35, T153N, R94W  
MCKENZIE COUNTY, N.D.



ALL CORNERS SHOWN ON THIS PLAT WERE FOUND IN THE FIELD  
DISTANCES TO ALL OTHERS ARE CALCULATED.  
ALL BEARINGS SHOWN ARE ASSUMED.

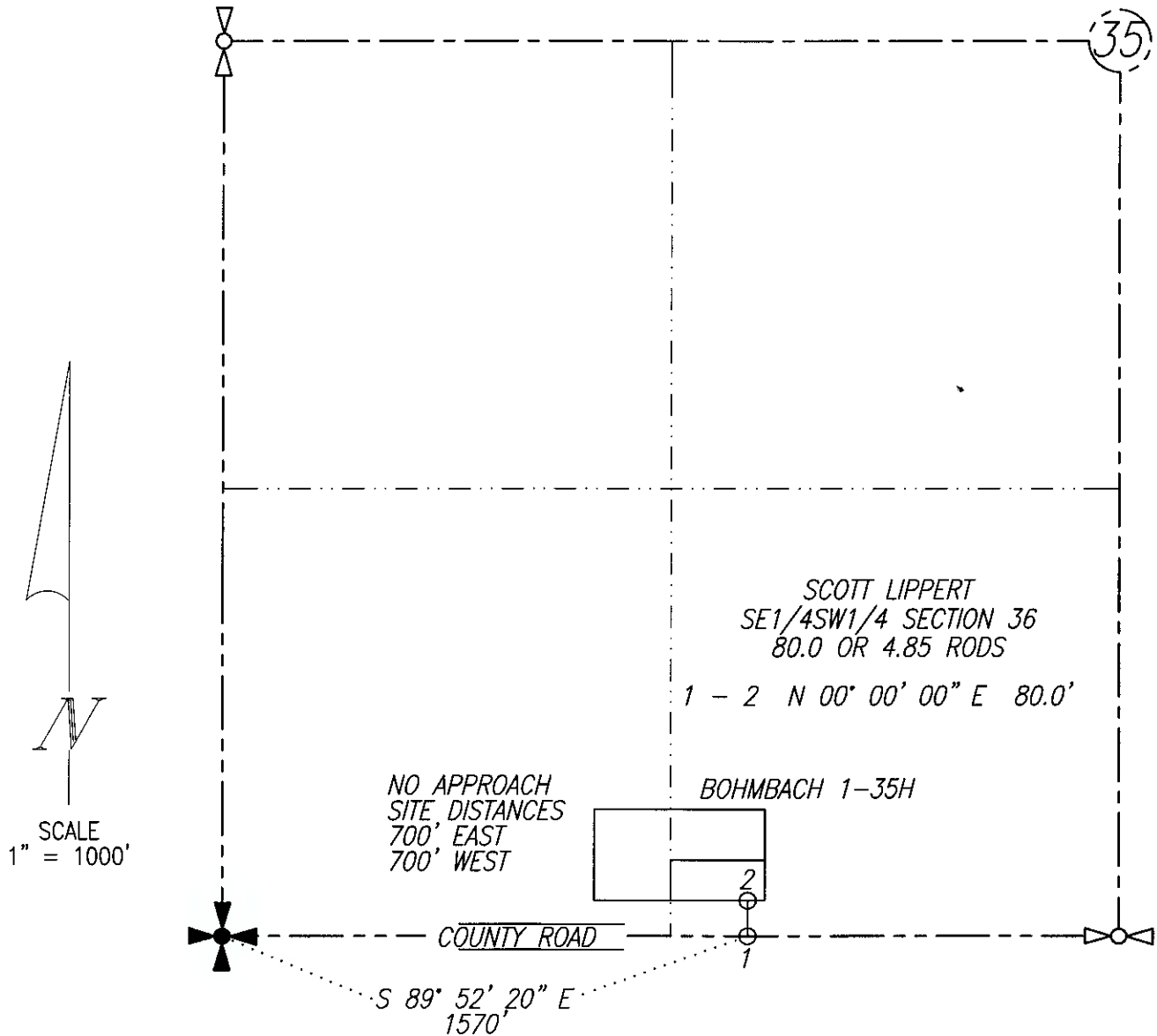
I CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS  
WORK PERFORMED BY ME OR UNDER MY RESPONSIBLE  
CHARGE, AND IS TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF. L.S. 3366

*John Paulson*  
JOHN PAULSON R.L.S. 3366

**BROSZ ENGINEERING INC.**

BOX 357  
BOWMAN, N.D. 58623  
PHONE: 701-523-3340  
FAX: 701-523-5243  
PROJECT NO. 09-10

ROAD LOCATION PLAT  
CONTINENTAL RESOURCES INC.  
BOHMBACH 1-35H  
SECTIONS 35, T153N, R94W  
MCKENZIE COUNTY, N.D.



I CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS  
WORK PERFORMED BY ME OR UNDER MY RESPONSIBLE  
CHARGE, AND IS TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF

JOHN PAULSON R.L.S.

3366

LAND  
SURVEYOR  
L.S. 3366

NORTH DAKOTA

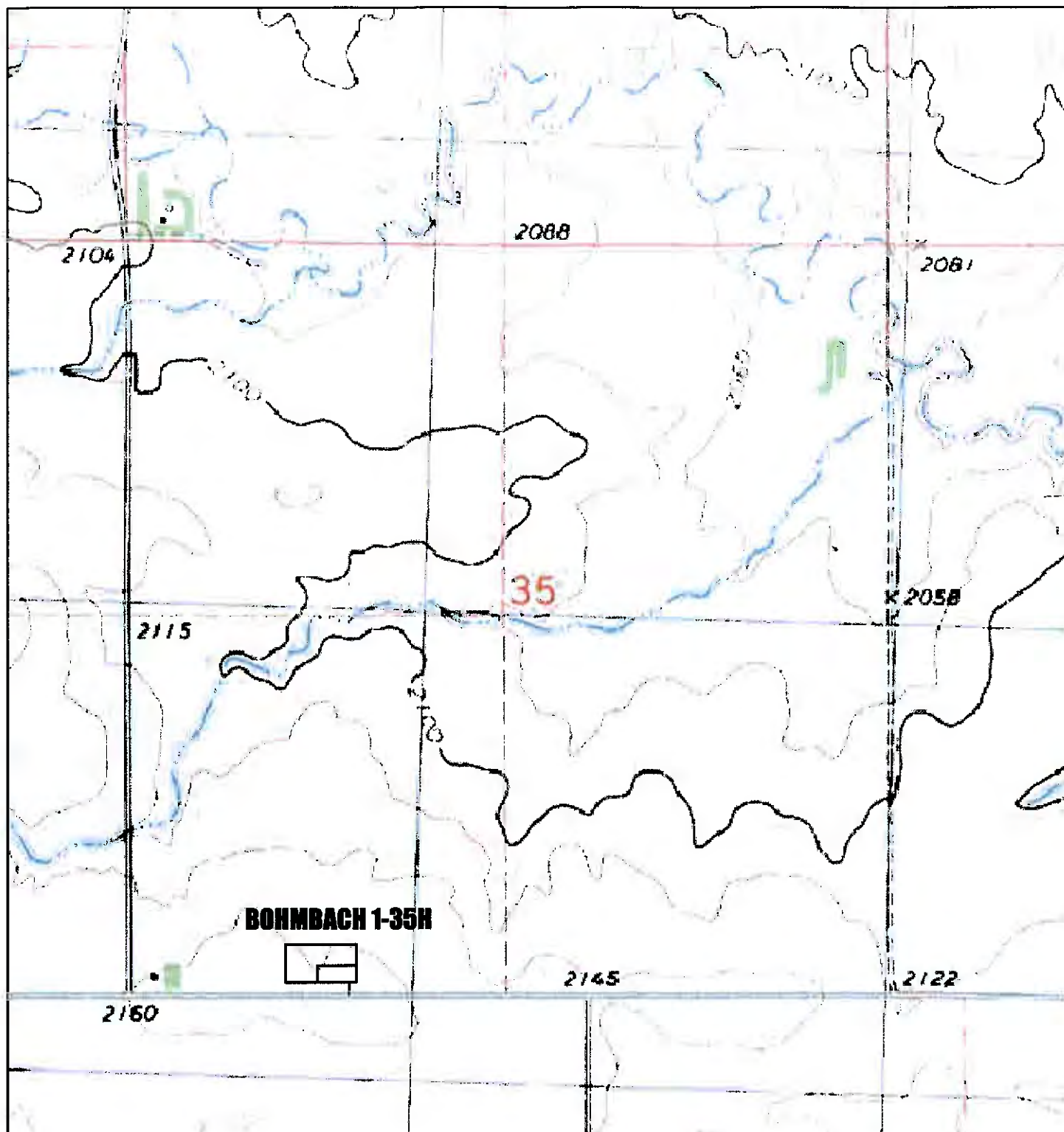
DATE STAKED: 3-23-2009

PERSON AUTHORIZING SURVEY;  
SUNNY SHEPARD

BASIS OF BEARING:  
ASSUMED

**BROSZ ENGINEERING INC.**

BOX 357  
BOWMAN, N.D. 58623  
PHONE: 701-523-3340  
FAX: 701-523-5243  
PROJECT NO. 09-10



**CONTINENTAL RESOURCES**  
WELL LOCATION



BOHMBACH 1-35H  
SECTION 35, T153N, R94W  
MCKENZIE CO., NORTH DAKOTA

