

State of Colorado  
Oil and Gas Conservation Commission

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



FOR OGCC USE ONLY



01158655

WELL ABANDONMENT REPORT

Submit original plus one copy. This form is to be submitted as an intent whenever a plugging is planned on a borehole. The approved intent shall be valid for six months after the approval date; after that period a new intent will be required. After the plugging is complete, this form and one copy shall again be submitted as a subsequent report of the work as actually completed.

OGCC Operator Number: 95715 Name of Operator: Black Hills Exploration and Production Address: 350 Indiana Street Suite 400 City: Golden State: CO Zip: 80401	Contact Name and Telephone Art Childers No: 720-210-1311 Fax: 720-210-1301	24 hour notice required, contact: NOV 17 2003 OIL & GAS COMMISSION
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API Number: 05-123-08649-0000 Well Name: CPC 41-14 Location (QtrQtr, Sec, Twp, Rng, Meridian): NENE Section 14 T1N R68W County: Weld Field Name: Spindle	OGCC Lease No.: Well Number: Federal, Indian or State Lease Number: Field Number: 77900	Other wells this lease? <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Complete the Attachment Checklist Oper OGCC Wellbore Diagram Cement Job Summary Wireline Job Summary
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☒ Notice of Intent to Abandon

☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Reason for Abandonment: ☐ Dry ☒ Production Sub-Economic ☐ Mechanical Problems ☐ Other  
Casing to be Pulled ☒ Yes ☐ No Top of Casing Cement: Approximately 4500'  
Fish in Hole: ☐ Yes ☒ No If yes, explain details below Wellbore has Uncemented Casing Leaks: ☒ Yes ☐ No If yes, explain details below  
Details: MircoVertiLog indicates bad casing.

Current and Previously Abandoned Zones

Formation	Perforations-Top	Perforations-Bottom	Date Abandoned	Method of Isolation (None, Squeezed, BP, Cement, etc.)	Plug Depth
Sussex	4774'	4840'		Open	
Shannon	5259'	5278'	8/1/01 & NA	Two (2) CIBP	5000' & 5200'

Casing History

Casing String	Casing Size	Casing Depth	Cement Top	Stage Cement Top
Surface	8 5/8"	615'	0	
Production	5 1/2"	5306'	4500' estimate	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4720' with 2 sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. NOTE: Two (2) sacks cement Required on all CIBPs.

Set 40 _____ sks cmt from 1000 _____ ft. to 900 _____ ft. in	<input type="checkbox"/> Casing	<input checked="" type="checkbox"/> Open Hole	<input type="checkbox"/> Annulus
Set _____ sks cmt from _____ ft. to _____ ft. in	<input type="checkbox"/> Casing	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Annulus
Set _____ sks cmt from _____ ft. to _____ ft. in	<input type="checkbox"/> Casing	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Annulus
Set _____ sks cmt from _____ ft. to _____ ft. in	<input type="checkbox"/> Casing	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Annulus
Set _____ sks cmt from _____ ft. to _____ ft. in	<input type="checkbox"/> Casing	<input type="checkbox"/> Open Hole	<input type="checkbox"/> Annulus

Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks Leave at least 100 ft. in casing  
 Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks Leave at least 100 ft. in casing  
 Perforate and squeeze at \_\_\_\_\_ ft. with \_\_\_\_\_ sacks Leave at least 100 ft. in casing  
 Set 50 \_\_\_\_\_ sacks half in, half out surface casing from 650 \_\_\_\_\_ ft. to 550 \_\_\_\_\_ ft.  
 Set 10 \_\_\_\_\_ sacks at surface  
 Cut four feet below ground level, weld on plate Dry-Hole Marker: ☐ Yes ☒ No  
 Set \_\_\_\_\_ sacks in rat hole Set \_\_\_\_\_ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: \_\_\_\_\_ ft. of \_\_\_\_\_ inch casing. Plugging Date: \_\_\_\_\_  
 \*Wireline Contractor: \_\_\_\_\_  
 \*Cementing Contractor: \_\_\_\_\_  
 Type of Cement and Additives Used: \_\_\_\_\_  
 \*Attach Job Summaries.

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

Print Name: Robert J Weitzel Signed: *Robert J Weitzel*  
 Title: Consultant Date: 11-12-03

OGCC Approved: \_\_\_\_\_ Title: PE Date: 12/16/2003  
 CONDITIONS OF APPROVAL, IF ANY:

PROVIDE 24 HR NOTICE OF MIRU TO DAVE SHELTON AT  
 303-894-2100 x 108. TAG SNOE PLUG TO VERIFY PLACEMENT



Schlumberger

INDUCTION ELECTRICAL LOG

COUNTY WELD  
FIELD or LOCATION SPINDLE  
WELL NO. 1 CPC 41-14  
COMPANY CHAMPLIN PET. CORP.

COMPANY CHAMPLIN PETROLEUM CORPORATION  
RECEIVED  
WELL NO. 1 CPC 41-14 MAY 26 1976  
FIELD SPINDLE  
COUNTY WELD  
STATE COLORADO  
LOCATION: NE 1/4 - NE 1/4  
Sec. 14 Twp. 1N Rge. 68W  
Other Services: FDC-GR

Permanant Datum:	G.L.	Elev.: 5110
Log Measured From:	K.B.	Elev.: 5118
Drilling Measured From:	K.B.	D.F. -
		G.L. 5110
Date	5-7-76	
Run No.	1	
Depth-Driller	5306	
Depth-Logger	5312	
Btm. Log Interval	5311	
Top Log Interval	615	
Casing-Driller	8 5/8 @ 605	
Casing-Logger	615	
Casing-Logger	7 7/8	
Bar Size	FGM	
Type Fluid in Hole	9.6	35
Dens. Visc.	9.0	16.0 ml
pH		
Source of Sample	CIRC.	
Rm @ Meas. Temp.	4.00 @ 70 °F	@ °F
Rmf @ Meas. Temp.	2.32 @ 70 °F	@ °F
Rmc @ Meas. Temp.	- @ - °F	@ °F
Source Rmf Rmc	M -	@ °F
Rm @ BHT	2.00 @ 140 °F	@ °F
Log Interval	1520	
Log Interval on Bottom	1830	
Max. Rec. Temp.	140	°F
Equip. Location	7686 FT M	
Recorded by	O. BICKNELL	
Witnessed by	E. MARTIN	

FOUR HERE The well name, location and borehole reference data were furnished by the customer.

Run No.	1	SCALE CHANGES
Service Order No.	17556	Type Log Depth Scale Up Hole Scale Down Hole
Fluid Level	FULL	
EQUIPMENT DATA		
Panel	IRP-M-585	
Mem. Panel	MMP-B-259	
TTR	-	
DPI	-	
Cartridge	IRC-F-508	REMARKS:
Sonde	IRS-M-775	
Cent. Device	-	
Stand Off - Inches	-	
G. R. Panel	-	
G. R. Cartridge	-	
CALIBRATION DATA		
S.B.R.	1	
SONDE	When measured:	
ERROR	At surface, enter "surface"	
	Down hole, enter depth	SURFACE
Corrected	Hole Size	-
For	Rm	-
Speed - F.P.M.		
GR	BKG. CPS	-
	Source CPS	-
	Tc Sec	-

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

## SPONTANEOUS-POTENTIAL

$$- \frac{10}{MV} + \text{MILLIVOLTS}$$

DEPTH

6FF40 INDUCTION

CONDUCTIVITY

MILLIMHOS/M =  $\frac{1000}{\text{OHMS. M}^2/\text{M}}$ 

1000 0  
2000 1000

RESISTIVITY OHMS. M<sup>2</sup>/M  
AMP. SHORT NORMAL

0 10

SHORT NORMAL A-16"-M

0 50

0 500

6 FF40 INDUCTION



RESISTIVITY OHMS. M"/M  
AMP. SHORT NORMAL

0 10

SHORT NORMAL A-16"-M.

0 50

0 500

6 FF40 INDUCTION

0 50

0 500

SP Curve

Casing

Short Normal

Induction Resistivity

Conductivity

Amplified Short Normal

700

800

900

1000



LOCATION: NE1/4 OF NE1/4 OF SEC. 14, T.1N., R.68W. (660 NSL, 660 ESL)

Ground Elevation: 5110

Number of Acres: 0

AQUIFER	ELEVATION		NET SAND	DEPTH TO		ANNUAL APPROP A-F	STATUS
	BOT.	TOP		BOT.	TOP		
UPPER DAWSON	----	----	----	----	----	----	---
LOWER DAWSON	----	----	----	----	----	----	---
DENVER	----	----	----	----	----	----	---
UPPER ARAPAHOE	----	----	----	----	----	----	---
LOWER ARAPAHOE	----	----	----	----	----	----	---
LARAMIE-FOX HILLS	4468	4801	204.5	642	309	0.00	NNT

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

Data for the LARAMIE FOX-HILLS may be missing or approximate and should be checked against DENVER BASIN ATLAS NO. 4

