



CIN - 2 1997

COLORADO OIL & GAS COMMISSION

13585 Jackson Drive • Denver, Colorado 80241 • (303) 452-8888 • FAX (303) 457-1583

May 30, 1997

Colorado Oil & Gas Commission
1120 Lincoln St., Suite 801
Chansery Bldg.
Denver, CO 80203

Attn: Ron Schmela

Re: Nielson & Associates, Inc.
French Woman #1
2288' FNL and 1357' FEL
SW NE Sec. 15, T11N - R76W
Larimer County, Colorado

Dear Ron,

Enclosed please find three copies of the Application for Permit to Drill along with one copy of the Onshore Order No. 1 which has been filed with the BLM in Craig and Kremmling, Colorado. Also enclosed is our check in the amount of \$50.00 to cover the application fee.

Please be advised that a copy of this application has also been forwarded to Al Kadera at the Larimer County Planning Office in Fort Collins, Colorado. Please be advised that a blanket surface bond is on file for Nielson & Associates, Inc. If you should need additional information, please don't hesitate to contact me.

Sincerely,

PERMITCO INC.

Lisa L. Smith

Consultant for:

Nielson & Associates, Inc.

Enc.

cc: Nielson & Associates, Inc. - Cody, WY
Larimer County Planning Office - Ft. Collins, CO

Schlumberger

DUAL INDUCTION LOG

WITH LINEAR CORRELATION LOG

WELL NO. 1		LAZY W CROSS RANCH	
COMPANY AMOCO PRODUCTION CO.		LAZY W CROSS RANCH NO. 1	
COUNTY LARIMER		STATE COLORADO	
FIELD MILDEN		WELL LAZY W CROSS RANCH NO. 1	
LOCATION C-NE-SE		Other Services: HDI, BHC-GR, FDC-CNL-GR	
Elev. 7975		Elev. 7985	
Measured From K.B.		Elev. 7975	
Driller ONE		9-26-77	
Logger 3003		OCT 3 - 1977	
Interval 2997		224	
Driller 224		9-5/8 @ 232	
Logger 224		8-3/4	
ID in Hole F.G.M.		65	
Vice 9.6		8.2	
Fluid Loss 8.2		ml	
Sample FLOM INF		ml	
Meas. Temp. 1.22 @ 70 F		@ 70 F	
Meas. Temp. 1.00 @ 70 F		@ 70 F	
Meas. Temp. @ 70 F		@ 70 F	
BHT 85 @ 05 F		@ 05 F	
Run Rnc		@ 05 F	
Stoppage 1200		@ 05 F	
Location 1400		@ 05 F	
Temp 105		@ 05 F	
Location 7251 FT. M.		@ 05 F	
ID by ED KELL		@ 05 F	
ID by DICK PARKER		@ 05 F	

FOLD HERE

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

Run No.	ONE	SCALE CHANGES	
Service Order No.	08488	Type Log	Depth
Fluid Level	FULL	Scale Up Hole	Scale Down Hole
Salinity - PPM CL	-		
Speed - F.P.M.	100		
EQUIPMENT DATA		REMARKS	
Panel No.	DC-454	SP. SHIFT AT 1950 FT.	
Cart No.	B-359		
Sonde No.	DB-326		
Mem. Panel No.	BA-342		
G.R. Panel No.	-		
G.R. Cart. No.	-		
Tape Recorder - (TTR)	EB-2843		
Depth Encoder - (DRE)	C-1988		
Pressure Wheel (CPW)	E-FARM		
Type Centralizers	FIN		
Stand Off - Inches	1-1/2		
CALIBRATION DATA			
Sonde Error - ILM	4.2		
Sonde Error - ILD	7.6		
G.R. BKG. - CPS	-		
G.R. Source - CPS	-		
LOGGING DATA			
S.E. Log - ILM	4.2		
S.E. Log - ILD	7.6		
S.E. - Set in Hole - Depth	-		
S.E. Corr. - Hole Size	-		
G.R. Scale per 100 Div.	-		
G.R. - T.C.	-		
G.R. Sens.	-		

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 interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost, 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 4 of our General Terms and Conditions as set out in our current Price Schedule.

SPONTANEOUS-POTENTIAL

- 120 MV + MILLIVOLTS

CONDUCTIVITY

MILLIMHO/S/M = $\frac{1000}{\text{OHMS M}^2/\text{M}}$

2000

DEEP INDUCTION
1000

0

RESISTIVITY OHMS M²/M

DEEP INDUCTION

0