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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 LATERAL LOG
 WITH LINEAR CORRELATION LOG

WELL: LAZY W CROSS RANCH NO. 1
 COMPANY: AMOCO PRODUCTION CO.
 LOCATION: MILDGAT
 FIELD: LAZY W CROSS RANCH NO. 1
 COUNTY: LARIMER STATE: COLORADO
 C-N-E-S-E
 RANGE: 76M
 ELEVATION: 7975
 OTHER SERVICES: HDI, BHC-GR, FDC-CIL-GR

Driller	ONE	9-26-77
Logger	3003	
Interval	2997	
Driller	224	
Logger	8-3/4	
Set in Hole	F.G.M.	
Vac	9.6	65
Fluid Loss	8.2	mi
Sample	ETOM INE	
Meas. Temp.	1.27 @ 70 F	
Meas. Temp.	1.00 @ 70 F	
Meas. Temp.	@ - F	
Rmt Rnc	EMT	
Rmt Rnc	@ 05 F	
Stop	1200	
on Bottom	1400	
Temp	105	F
Location	7251 ET.M.	
By	ED KELL	
By	DICK PARKER	

RECEIVED
 OCT 3 - 1977
 EST. 7975
 ELEV. K.B. 7985
 D.F. 7975
 G.L. 7975

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

Run No.	ONE	SCALE CHANGES	Type Log	Depth	Scale Up Hole	Scale Down Hole
Service Order No.	08488					
Fluid Level	FULL					
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 Records - (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 interpretations 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 + MILLIVOLTS

CONDUCTIVITY MILLIMHOS/M = 1000 / OHMS M²/M
 DEEP INDUCTION
 2000 1000 0

RESISTIVITY OHMS M²/M
 DEEP INDUCTION
 0 50