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COLO. OIL & GAS CONS. COMM.

GEOLOGICAL REPORT

TIPPERARY CORPORATION

#1 CROISSANT

NW SE SECTION 14, T 9N-R 53W

LOGAN COUNTY, COLORADO

H. C. Allen, Jr.  
535 Empire Building  
Denver, Colorado 80202

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WELL DATA



WELL: #1 Croissant  
OPERATOR: Tipperary Corporation  
CONTRACTOR: Exeter Drilling Company, Rig #13  
LOCATION: C NW SE Sec. 14, T 9N - R-53W  
COUNTY: Logan  
STATE: Colorado  
FIELD: Chess  
ELEVATIONS: 4053 ground; 4064 KB  
COMMERCIAL: June 12, 1979  
CASING: Set 163' of 8 5/8 from KB w/ 160 sacks  
CORES: None  
D.S.T.'s: None  
LOGS: Dresser Atlas, IES-Densilog Neutron, GR  
COMPLETED DRILLING: June 17, 1979  
STATUS: D & A ✓

DVR	
FJD	
HMM	
JAM	✓
JJD	✓
RLS	
GMV	



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ELECTRIC LOG FORMATION TOPS

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<u>FORMATION</u>	<u>LOG TOP</u>	<u>SEA DATUM</u>
Niobrara	3874	
Ft. Hays	4228	
Carlile	4250	
Greenhorn	4376	
Bentonite Marker	4612	- 548
'D' Sand	4711	- 647
'J' Sand	4819	- 755
Skull Creek	4973	- 909
'M' Sand	5039	- 975
'O' Sand	5084	-1118
Total Depths	5182	Drillers 5175

DEVIATIONS

<u>DEPTH</u>	<u>DEGREES</u>	<u>DEPTH</u>	<u>DEGREES</u>
3195	1°		
4751	1/2°		
4910	1°		



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BIT RECORD

<u>RUN #</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>DEPTH OUT</u>	<u>FEET</u>	<u>HOURS</u>
1	7 7/8	HTC	OSC3AJ	3195	3033	17 1/4
2	7 7/8	STC	DTJ	4751	1556	29 1/2
3	7 7/8	HTC	OWA-J	4910	259	13 1/4
4	7 7/8	HTC	OSCIG-J	5081	174	16 3/4
5	7 7/8	STC	---	5175	94	11

PLUGGING:

The hole was filled with heavy mud and a 15 sack cement plug was spotted at the base of the surface casing and a 10 sack cement plug was spotted at the top of the surface casing.

Verbal permission to plug and abandon was granted by Mr. Doug Rogers of the Colorado Oil and Gas Conservation Commission at 9:20 P.M. on June 18, 1979.

*H.C. Allen, Jr.*  
H. C. Allen, Jr.  
Petroleum Geologist