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GEOLOGIC PROGRAM

Field/Area EGERIA CREEK Expl/ EXPLORATION

Well Name CHEVRON FEDERAL #1-19

Location: Sec 19 TWP 1 N Range 58W 85W
 Co Routt State Colorado
 Surface 2640' FSL and 660' FEL
 Bottom Hole 2640' FSL and 660' FEL

Elevation: GL estimated _____ Surveyed 9304'
 KB estimated _____ Surveyed 9324' Est.

Total Depth 5600' Fm at TD PreCambrian

Objectives: Primary Paleozoic
 Secondary Mesozoic

Coring:	Formation	Estimated Depth	Amount
Interval/	_____	<u>2060</u>	<u>180</u>
Interval/	_____	<u>2660</u>	<u>120</u>
Interval/	_____	<u>5170</u>	<u>120</u>
Interval/on show	_____	_____	_____
Interval/on show	_____	_____	_____

Drill Stem Testing Estimate 3 DST's

Mud Logging Two man unit Surface to TD

Electric logging:	Surface	Intermediate	Total Depth
1) DIL-SP	_____	_____	_____
2) DIL-MSFL-SP	<u>X</u>	_____	<u>X</u>
3) BHC w/GR, Cal.	<u>X</u>	_____	<u>X</u>
4) LDT-CNL w/GR, Cal.	<u>X</u>	_____	<u>X</u>
5) FDC-CNL w/GR, Cal.	_____	_____	_____
6) Dipmeter	<u>X</u>	_____	<u>X</u>
7) Velocity survey	_____	_____	<u>X</u>
8) RFT	_____	_____	_____
9)	_____	_____	_____
10)	_____	_____	_____
11)	_____	_____	_____

All runs from TD to either base of surface casing or overlap with previous log run unless otherwise noted.



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GEOLOGIC PROGRAM (Continued)

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Tops:

Formation	Estimated Depth, datum	Sample Depth, datum	Log Depth, datum
Mancos	Surface		
Weber	2060		
PreCambrian	5500		

Correlation Wells:

Correlative Zones with Subject Well

	Fm	Interval	
1)			Primary objective zones to be cored.
			Zone to be DST.
2)			Primary objective zones to be cored.
			Zones to be DST.

DIVISION OF INTEREST:

Working Interest Partners:

Chevron	100%				

Others Receiving Data:

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REMARKS:

H₂S is not expected. Chevron will drill the well as a tight hole.

Prepared by *J. A. Haffrey*
Reviewed by *Dennis J. Wood*
Formation Evaluation Analyst

Date 8/8/84
Date 8-8-84

Approved *B. Chubb*

Date 8/8/84

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4. Oil String/Liner Hole

Hole Size 8 1/2" Proposed Depth 5600' BOPE will be tested to 2,500 psi
Mud Program: Type Dispersed MW 9.0 FV 40 BOPE 5,000 psi W.P. Chevron Class III
WL 10cc or less Other _____

Potential Hazards: Water sensitive shales. Possibility of thin salt and/or Anhydrite secti
Electric Logging Program: DIL; BHC; CNL-FDC; HDT & Check Shot
Core/DST Program: 7 cores; 3 DST's Anticipated on Shows
Casing Program:

Size	Grade	Weight	Thread	Section Length
<u>5 1/2"</u>	<u>K-55</u>	<u>15.50</u>	<u>LT & C</u>	<u>5600'</u>
_____	_____	_____	_____	_____

Cement Program: Lead-Slurry Cement to Surface; tailored for depth and temperature.
Tail-Slurry Vol. to be calc. from open hope caliper
WOC Time 24 hrs. Casing Test 1500 psi

5. Auxiliary Equipment

Mud Logging Unit @	Spud	Rotating Head @	N/A
Geolograph @	Spud	Degasser @	Spud
Visulogger @	N/A	Desilter @	Spud
Adj. Choke @	1380	Centrifuge @	Spud
PVT & Flowmeter @	Spud	Mud Cleaner @	Spud
Trip Tank @	Spud	H ₂ S Safety Equip. @	N/A

Other: Mud-Gas separator @ 1380'. Inside BOPE and Full opening safety valve @ Spud.

6. Drill String Design

Surface Hole:
BHA Bit; bit sub w/Float, 2-D.C.; IBS; Sufficient D.C. for 40,000# Available bit wt
Drill Pipe API premium class designed for 100,000# overpull per API RP7G 10th ed.

Intermediate Hole: N/A
BHA _____
Drill Pipe _____

Oil String/Liner Hole:
BHA Bit; bit sub w/Float; 2-D.C.; IBS; Sufficient D.C. for 50,000# Available bit wt
Drill Pipe API premium Class designed for 100,000# overpull per API RP7G 10th ed.

7. Other

Inspect BHA after 200 rotating hours.
In "straight" holes run inclination surveys every 240 feet.
Gyro Surveys None anticipated
Check drilling breaks for flow below 1380 feet.
Fill drill pipe every 5 stds when running float.

8. General Remarks

Attached

9. Geologic Program

Attached

Prepared By S. L. Ice Date 7-19-84 Drilling Superintendent Don Fisher Date 7/

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Chevron Federal 1-19 (Cont.)

8. Restore location.

Verbal approval to plug and abandon well given by Mr. Paul Onsager, BLM in Craig, CO. on November 2, 1984.