

Mobil Oil Corporation

THREE GREENWAY PLAZA EAST - SUITE 800
HOUSTON, TEXAS 77046

November 7, 1977

Mr. P. T. McGrath (4)
District Engineer
U.S.G.S.
Box 959
Farmington, New Mexico 87401

7.01
GAS ANALYSIS
NAVAJO NO. 3
TOCITO DOME PENN "D" POOL
SEC. 9, T26N, R18W
SAN JUAN COUNTY, NEW MEXICO

Dear Mr. McGrath:

Attached is a Gas Analysis for the subject well.

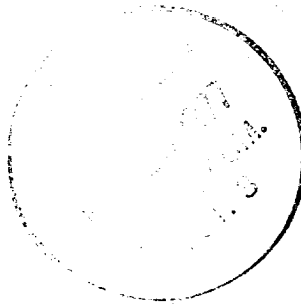
A gas sample has also been submitted to the Bureau of Mines at Amarillo, Texas.

Yours very truly,



J. A. Morris
Regulatory Engineering Supervisor

cc: A.R. Kendrick (2)
NMOCC
1000 Rio Brazos Road
Aztec, New Mexico 87410





MOBIL OIL CORPORATION
P. O. BOX 900
DALLAS, TEXAS 75221

CO-7594 (2-67)

report of laboratory analysis - field sample

FIELD DATA

CYL NO. 4356 CYL. PRESSURE 1440 @ 26 F
STREAM SAMPLED Well Head
VOLUME OF STREAM SAMPLED _____
DATE SAMPLED 10/6/77
REQUESTED BY _____
SUBMITTED BY K. R. Pritchard
PRESSURES: BOTTOMHOLE _____
SHUTIN CASING 1340
SHUTIN TUBING 1440
FLOWING TUBING _____
FLOWING CASING _____
PRIMARY SEPARATOR _____
SECONDARY SEPARATOR _____
STOCK TANK _____

LEASE NAME Navajo-Tocito WELL NO. 3
DISTRICT Hobbs - Four Corners Area STATE N. Mex.
OPERATOR Mobil Oil Corp.
FIELD Tocito Dome COUNTY San Juan
SAND Penn-D DEPTH _____
WELL DEPTH 59 T26N RW(12) PERF. _____ SHOTS _____
TEMPERATURES: BOTTOMHOLE _____
FLOWING WELLHEAD _____
HEATER IN _____ OUT _____
PRIMARY SEP. GAS _____ GIL _____
SECOND SEP. GAS _____ OIL _____
METER RUN _____
STOCK TANK _____
ATMOSPHERIC 60
HEATER _____

CHOKER SIZES: TUBING _____ CASING _____

PRODUCTION RATES:

PRIMARY SEP. GAS _____ OIL _____
SECOND SEP. GAS _____ OIL _____
PRIMARY SEP. WATER _____
STOCK TANK OIL _____
STOCK TANK WATER _____

RATIOS:

SEP. GAS/SEP. WATER _____
SEP. GAS/STOCK OIL _____
SEP. GAS/STOCK WATER _____
SEP. GAS/SEP. OIL _____
OVERALL GAS/LIQUID _____

POTENTIAL RATES: GAS _____
OIL _____

ALLOWABLE RATES: GAS _____
OIL _____

DISPOSITION PRODUCTION: GAS _____ OIL _____

FIELD TESTS: AIR _____ % GAS GRAVITY _____
CO₂ _____ % OIL GRAVITY _____ @ _____ F
H₂S _____ GR/100 GAS MEASUREMENT: METHOD _____ PRESS. BASE _____

SAMPLE METHOD Fill & purge LIQUID OUTAGE _____

REMARKS (INCLUDING WEATHER DATA) _____

LABORATORY DATA

ANALYSIS NO. 025,605 METHOD _____ ANALYZED BY _____ DATE 10/11/77

COMPONENT	MOL. %	VOL. %	CONTENT GPM	V.P. PSIA	ENGLER:	CL - DATA:
HYDROGEN SULFIDE					IBP _____ F	MOL. WT. _____
CARBON DIOXIDE	<u>3.607</u>				5% _____	CR. CAL. _____
NITROGEN	<u>26.234</u>				10% _____	GAL. VOL. _____
AIR					20% _____	API _____
METHANE	<u>59.335</u>				30% _____	CALC. VP _____
ETHANE	<u>5.899</u>				40% _____	
PROPANE	<u>2.167</u>				50% _____	
i-BUTANE	<u>0.347</u>				60% _____	
n-BUTANE	<u>0.516</u>				70% _____	
i-PENTANE	<u>0.138</u>				80% _____	
n-PENTANE	<u>0.120</u>				90% _____	
HEXANES (+)	<u>0.241</u>				95% _____	
HELIUM	<u>1.391</u>				EP _____	
HYDROGEN	<u>0.005</u>				REC. _____ %	
TOTAL	<u>100.000</u>				RES. _____ %	
DISTRIBUTION:	CWJ	AJA	CLP		LOSS _____ %	
	RWD	GWB	JAM			

REMARKS: _____

SIGNED G. E. McIver DATE 11/3/77

BTU - 796 (Water saturated at 60°F & 14.696 p.s.i.a.)