Case No.
4820

Large Exhibits

Form 205 3 61

LoCo HILLS FED
FILE: #1-9

PHILLIPS PETROLEUM COMPANY
Gasoline Department
Analysis Results Summary

Location

ST. No. 741
Run No. 741
Date Run 07-07-72
Date Secured 07-05-72
Time
Sampler's Ident.

A Sample of: Gas Well - From ZONE of SEVEN RIVERS
SEVEN RIVERS - Anadarko Petroleum Company
Secured from #1 Well Loco Hills Federal "B" Lse.
Location SESE 9-17-30 County Eddy State N. Mex.
Purpose Survey Secured by White
Sampling Conditions: Atmos. Temp. 68 °F; Pressure on Bomb 285 # lbs/sq. in.; Bbls oil/day
Volume/day ; Weather conditions at time of sampling
Field Gas Pressure PSIG; Line Pressure PSIG.

Analysis 14.65 PSI at 60°F

	Mol. %	Liq. %	
Carbon Dioxide			
Oxygen			
Nitrogen	57.63		
Hydrogen Sulfide			
Methane	30.93		
Ethane	5.82		
Propane	2.18		
Iso-Butane	.33		
Nor-Butane	.60		
Iso-Pentane	.19		
Nor-Pentane	.16		
Hexanes	.07		
Heptanes Plus	.06		
Total	100.00	100.00	

Propane Calc. G.P.M.	.733
Iso-Butane Calc. G.P.M.	.107
Nor-Butane Calc. G.P.M.	.213
Pentane + Calc. G.P.M.	.165
Propane + Calc. G.P.M.	1.218
Test Car (Date	
B.T.U./ cu. ft. W.b.	578
Calc. Specific Gravity	.878
Calc. A.P.I. @ 60°F	
Observed A.P.I. Av.	
H_2S — CO_2 by orsat	Neg.
H_2S grains/100 cu. ft.	Neg.
Mercaptans gr/100 cu. ft.	
Calc. Vap. Press. #/sq. in.	
Reid Vap. Press. #/sq. in.	
Cu. Ft. gas/Gal. Liq.	
Calc. Gasoline Factors	
26-70 Gasoline	0.
Excess Butane	0.
Excess Propane	0.
Excess Ethane & Lighter	0.
	1.0000

Run by White Calculated by White
Checked by White Approved by

Additional Data and Remarks:

Distribution:

Odessa
915-337-5611 operator
ext 246
Mr Mitchell

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Applicant's EXHIBIT NO. 9
CASE NO. 4820
Submitted by Stan Hopper
Hearing Date 13 Sep 72

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[illegible] COMPANY
Gasoline Department
Analysis Results Summary

Sampled from Well
Location SESE [illegible]
Formation
Sampling Conditions Atmos. Temp.
Volume
Field Gas Pressure

Carbon Dioxide
Oxygen
Nitrogen
Hydrogen Sulfide

Methane
Ethane
Propane
Iso-Butane
Nor-Butane

Iso-Pentane
Nor-Pentane

Hexanes

Heptanes Plus

Total

Run by White

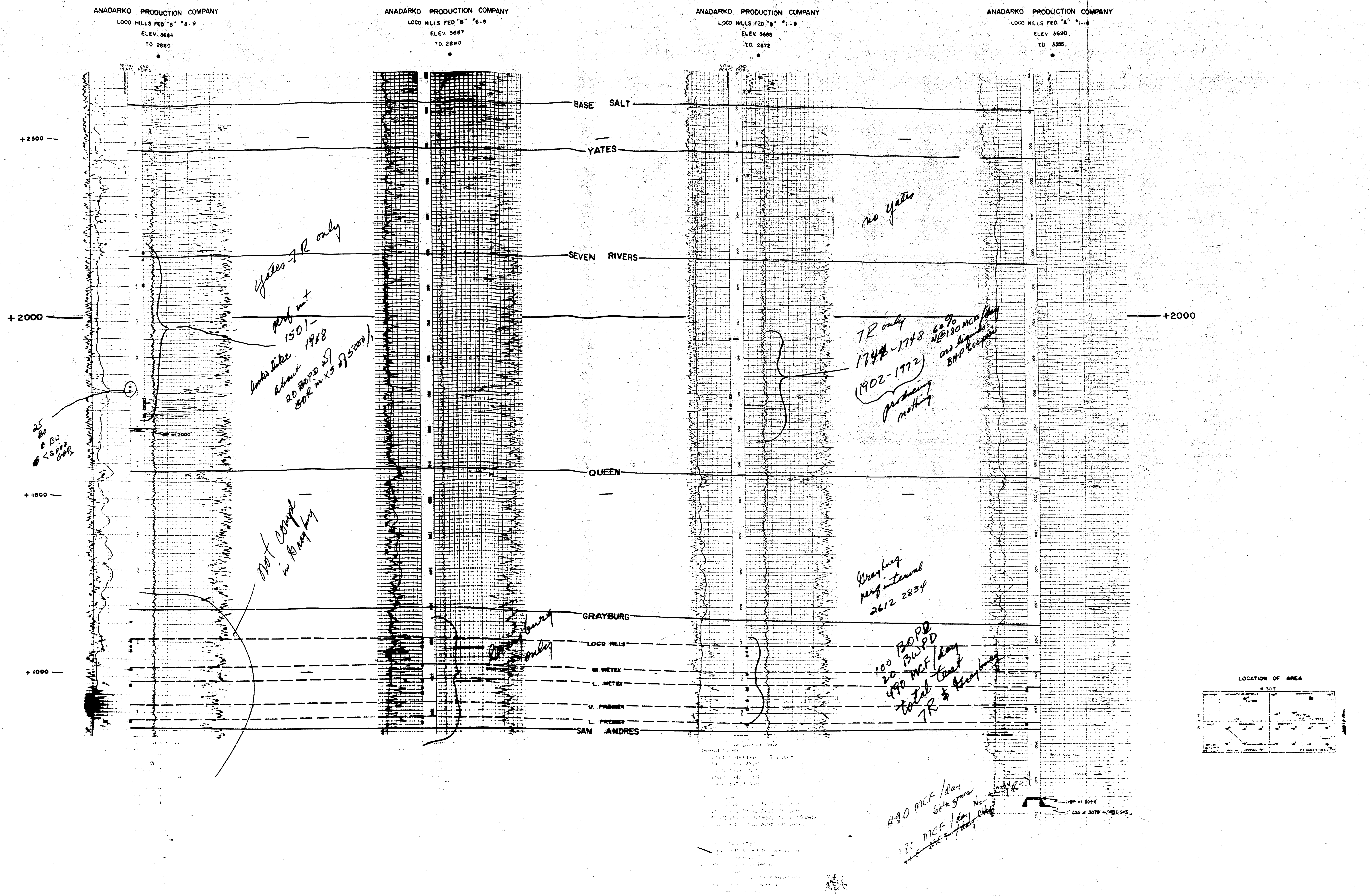
Checked by White

Additional Data and Remarks

Odessa
915-337-7611 operator
ext. 246
Mr. Mitchell

Anadarko 4
4820
STUMHOFFER
13 Sep 72

WEST - EAST CROSS SECTION


ANADARKO PRODUCTION COMPANY
LOCO HILLS FED "B" #8-9
ELEV. 3684
TD 2880
ANADARKO PRODUCTION COMPANY
LOCO HILLS FED "B" #6-9
ELEV. 3687
TD 2880
ANADARKO PRODUCTION COMPANY
LOCO HILLS FED "B" #1-9
ELEV. 3685
TD 2872
ANADARKO PRODUCTION COMPANY
LOCO HILLS FED "A" #1-10
ELEV. 3690
TD 3355
INITIAL PERFS
2ND PERFS
+2500
+2000
+1500
+1000
BASE SALT
YATES
SEVEN RIVERS
QUEEN
GRAYBURG
LOCO HILLS
M. METEX
L. METEX
U. PREMIER
L. PREMIER
SAN ANDRES
LOCATION OF AREA

Yates 7R only

perf int. 1501-1968

looks like about 20 BOPD w/ GOR in XS of 5000),

25 BO 0 BW & <8000 GOR

not compl in Grayburg

Grayburg only

no yates

7R only
~~1744~~-1748
(1902-1972)
producing nothing

60% N2 @ 180 MCF/day
no liquids
BHP 600 psi

Grayburg perf interval 2612 2834

100 BOPD
20 BWPD
490 MCF/day
total test
7R & Grayburg

490 MCF/day
6th zones
180 MCF/day N2
~~MCF/day CH4~~

STRUCTURAL CROSS SECTION
EDDY COUNTY NEW MEXICO

Anadarko Exhibit 3