

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-122
 Revised 9-1-65

Type of Test ☒ Initial ☐ Annual ☐ Special		Test Date 12/18/80									
Company Consolidated Oil & Gas		Connection Gas Co of New Mexico									
Pool Basin		Formation Dakota									
Completion Date 12/11/80	Total Depth 6630'	Plug Back TD 6600'	Elevation 5580' GL								
Perforations: From 6314 To 6563		Form or Lease Name Templeton									
Well No. 1-E											
Well Depth 15.5	Well ID 4.950	Well Age 6630	Well Status 13								
Well Type 1-800	Well ID 2.90	Well Age 5322	Well Status 31								
Type of Well - Production - G.G. or G.O. Multiple G.G. Dual		County San Juan									
Producing Zone 5800		State New Mexico									
Reservoir Temp. °F 9		Mean Annual Temp. °F 12									
Proven L		Unproven H									
Gg 0.670		Choke Choke									
FLOW DATA											
NO.	Proven Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
1	Choke		0.750	300		93					7 Days
2											3 Hours
3											
4											
5											
RATE OF FLOW CALCULATION											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mscf				
1	12.365		312	0.9697	0.9463	1.027	3636				
2											
3											
4											
5											
NO.	P _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/cbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ °R						
1	1402										
2											
3											
4											
5											
NO.	P _w	P _w ²	P _c ² - P _w ²	$\frac{P_c^2}{P_c^2 - P_w^2} = 1.5762$							
1	1023	1046529	1816335								
2											
3											
4											
5											
$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4067$											
$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5115$											
Rate of Flow = 5115				Slope, n = 0.75							
Wilson Service Co.				Wilson Services							

TEMPERATURE

Union Service Co.

SURVEYS

P. O. BOX 1010

FARMINGTON, NEW MEXICO 87401

PHONE: (505) 327-0175

Drill Log

Oil & Gas Service Co. Inc.

WELL NO. 1-E

State of New Mexico

LOCATION: Twp 31, Sec 27, Rte 9

County of Santa Fe

Survey No. 1000

DATE: 12/18/60

Well No. 1000

ELEVATION: 5580 GL

DATUM:

Depth

TSB. PRESSURE: 1680

CASING PRESSURE: 725

6222'

CORR. 6222'

D.S. 6600'

6303'

CORR. 6303'

WELL TEMP. 93°

0

Time

1.200000

GRADIENT

1685

1685

.00

1752

1752

.06

1876

1876

.06

1993

1993

.06

2022

2022

.06

2050

2050

.06

2062

2062

.06

2074

2074

.06