

SHELL OIL COMPANY
Subsurface Pressure Survey

Producing Formation Tubbs
Elevation (CHF, DF, KB, etc.) ()
Datum () subsea, or ()
Tubing Construction at 2 1/16" Tbg to ± 6025'
Production Packer at
Perforations

Company Shell Oil Company
Lease LIVINGSTON Well No. 10
Field DRINKARD State NEW MEXICO
Test Date 2/8-11/77

Instrument Data

Company Running Survey Shell Oil Company
Element - Range & No. 3500# - 5583N
Clock - Range & No. 72hr - 1037A
Calibration Date 2-7-77

Static Pressure Data

Pressure at 6000' 1814 psig
Shut-in Time 70.83 hrs
 P_i at Datum psig
Shut-in Tubing Pressure 525 psig
Shut-in Casing Pressure 340 psig
Top of Oil 2200' w/m
Top of Water
Temperature at feet °F
Date of Last Test 1/13-14/77
Pressure @ 6072' Datum, Last Test 1733 psig
Shut-in Time, Last Test 72.25 hrs

Flow Test Data

Choke Size in
Period of Stabilized Flow hrs
Stabilized Production (q)
Oil bbls/day
Gas MCF/day
Water bbls/day
Flowing Tubing Pressure psig
Flowing Casing Pressure psig
Cumulative Production (Q)
Oil bbls
Gas MCF
Water bbls
Effect. Prod. Life, $t = 24 Q/q$ hrs

Remarks: Well unable to flow. Swabbed well down prior to buildup. Last swab run made ± 30 minutes before bomb on bottom. for S.I. & start of buildup. Very little water swabbed back. S.I. well 2 minst. rig up.
Operator D.J. Roach

Depth D	Time	Press., P, psig	ΔP	Static Test		
				ΔD	Gradient	
0	10.83 hrs	525				
5900	↓	1782	1257	5900	.213	
6000	↓	1814	32	100	.32	
Time	Press. Q	Build-up Test		Tubing Press.	Casing Press.	Height of Fluid
		Δt hrs	$\frac{t}{\Delta t} + 1$			
0	1141			0		
.083	1165					
.166	1188					
.250	1207					
.333	1221					
.500	1247					
.666	1273					
.833	1296					
1.0	1313					
1.5	1357					
2	1399					
3	1453					
4	1483					
5	1516					
6	1537					
9	1584					
12	1627					
18	1678					
24	1713					
30	1737					
36	1756					
42	1770					
48	1785					
54	1795					
60	1802					
66	1809					
70.83	1814			525	340	2200' w/m

APPROPRIATE EXAMINER NOTED
CONSERVATION COM. 78
EXHIBIT NO. 6099
CASE NO.

FORE EXAMINER NOTE
PRESERVATION COPY
EXHIBIT NO. 6097
7B