

Form 9-331
Item No. 17 Completed Operations

Sinclair Oil & Gas Company
P. O. Box 1920, Hobbs, New Mexico
Hackberry Hills Unit Well No. 4
Sec. 22-T22S-R26E., Eddy Co., New Mexico

7-18-66 Acidized Canyon perfs. 10061-91' w/2500 gals. FDA using 36 ball sealers. Max. Press. 5800#, Min. Press. 4400# @ rate of 4.4 BPM Inst. SIP 1000#, 5" SIP 500#. Flow 45 BLW (Brine) plus 60 bbls. AW in 1½ hours. Flow to pits 2½ hrs. to clean up. Flow 2 hrs. 17/64" choke 5200 MCF and 10 BPH Dist. Gvty 60°. tubing press. 3250#. Last 5 hrs. flow @ rate 1st 20/64" choke gas rate 5500 MCF dist. 11 bbls. tbg press. 2700#. 2nd hour 20/64" choke rate 5300 MCF dist. 11 bbls. dist. tbg press. 2750#, 3rd hour 20/64" choke rate 5400 MCF, 11 bbls. dist. tbg press. 2570#, 4th hr. 20/64" choke rate 5000 MCF, 11 bbls. dist. tbg press. 2600#.

7-19-66 16 hr. SITP 3967#. On 4 point test flow Canyon perfs. 10061-91' as follows:

	Rate	Time	Choke	Tbg Press.	MCFFPD	Dist.	Water
	#1	1 Hr.	10/64	3395	2092	5.2 bbls.	1.2
	#2	1 Hr.	13/64	3057	3032	4.6 bbls.	1.0
*	#3	1 Hr.	17/64	2230	3544	7.5 bbls.	1.5
	#4	1 Hr.	18/64	2976	5244	9.2 bbls.	1.5

* Unstable rate - fluid logged, unloaded @ start of last rate. Dist. Gvty. 57.4°. Gas Gvty. .64.

Calculated absolute open flow 13,574 MCFFPD. Date of test 7-19-66.

Water produced during 4-point test was load water, determined by water analysis test.