

CITIES SERVICE OIL COMPANY
Government T Well No. 1
Sec. 14-T20S-R28E
Eddy County, New Mexico

DST No. 1: 9180-9270' (90') Wolfcamp 3/4" BC, 1/4" TC. Tool opened with good blow. Gas to surface in 5 mins. at 50 psig on 1/4" choke. Closed tool for 100 min. ISIP. Reopened tool for 85 min. flow period with good blow on 1/2 choke.

<u>Elapsed Time</u>	<u>Flowing Pressure</u>	<u>Choke</u>	
5 min.	100 psig	1/2"	620 MCFD
10 min.	150 psig	1/2"	675 MCFD
15 min.	200 psig	1/2"	755 MCFD
20 min.	225 psig	1/2"	870 MCFD
25 min.	225 psig	1/2"	1000 MCFD
30 min.	260 psig	1/2"	1310 MCFD
35 min.	310 psig	1/2"	1360 MCFD
40 min.	330 psig	1/2"	1380 MCFD
45 min.	360 psig	1/2"	1450 MCFD
50 min.	400 psig	1/2"	1510 MCFD fluid to surface well heading.
55 min.	390 psig	1/2"	1570 MCFD
60 min.	440 psig	1/2"	1610 MCFD
65 min.	525 psig	1/2"	1630 MCFD
70 min.	525 psig	1/2"	1750 MCFD
75 min.	600 psig	1/2"	1750 MCFD
80 min.	650 psig	1/2"	2220 MCFD
85 min.	550 psig	1/2"	3300 MCFD flowing distillate at rate of 7 B/H.

Closed tool for FSIP. Released pkrs. and POOH. Recovered 1700' (5 bbls.) of 50 deg. API gravity distillate. Sample chamber at 9148' contained 600 cc distillate 50 deg. API gravity at 60 degs. and 14 cu. ft. gas at 1200 psig.

	<u>Top Chart at 9162</u>	<u>Bottom Chart at 9266</u>
IMCP	4613	4708
5 min. preflow	515-426	820-623
100 min. ISIP	4631	4662
85 min. final flow	501-1430	546-1463
90 min. FSIP	4485---still building---	4509
FMCP	4615	4658
BHT	130 degs. F	130 degs. F

Gas analysis:

Sp. gr. gas	0.67
GPM	1.47
CO ₂	.0011 mole fraction
N ₂	.0085 mole fraction
Methane	.8275 mole fraction
Ethane	.1122 mole fraction
Propane	.0369 mole fraction
normal butane	.1160

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