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GREAT WESTERN DRILLING COMPANY

BURTON STATE NO. 1

MAR 6 1975

Section 28, T-20-S, R-28-E, Eddy Co., New Mexico **O. C. C.**

ARTESIA, OFFICE

DRILL STEM TEST SUMMARY

DST NO. 1 4676'-4790'

30 minute preflow, shutin 2 hours and 10 minutes, 1 hour regular flow, shutin 2 hours. Weak blow immediately on preflow and increased to strong blow. Gas to surface immediately on regular flow period. 2 psi surface flowing pressure on $\frac{1}{2}$ " choke for volume of 25 MCFGPD. Flow stabilized. Recovered 350' of oil plus 2780' G&OC water. HP 2253#-2253#, FP 162#-614#, 2 hrs. & 10 min. SIP 2128#, FP 693#-1182#, 2 hr. SIP 2064#. BHT 110°.

DST NO. 2 9051'-9102'

15 minute preflow, shutin 1 hour, 2 hrs. regular flow, shutin 4 hrs. Opened with strong blow & increased to 480 MCFGPD @ end of preflow, with gas to surface in 7 minutes. Regular flow period averaged 285 MCFGPD and increased to 5 MMCFGPD at end of test. Reversed out 34 bbls. condensate, Gvt. 45° @ 60°F. HP 4711#-4512#, FP 1088#-1465#, 1 hr. SIP 4389#, FP 1591#-2522#, 4 hrs. SIP 4312#. Surface flowing pressure on $\frac{1}{2}$ " choke on regular flow period as follows:
40# after 15 minutes, 500# after 30 minutes with considerable condensate, 650# after 45 minutes, 680# after 1 hour, 750# after 1 hour & 15 minutes, 760# after 1 hour & 30 minutes, 770# after 1 hour & 45 minutes and 790# after 2 hours.

DST NO. 3 9226'-9290'

30 minute preflow, shutin 1 hour, 2 hours regular flow, shutin 2 hours. Opened with strong blow, gas to surface in 22 minutes. 16# on $\frac{1}{2}$ " choke with rate of 40 MCFGPD and increased to 7# on $\frac{1}{2}$ " choke with rate of 90 MCFGPD. Regular flow period, opened with weak blow & increased to 1# surface flowing pressure on $\frac{1}{2}$ " choke in 10 minutes. Stabilized @ that rate for 50 minutes. 0# SFP last hour of test on $\frac{1}{2}$ " choke. Recovered 28 bbls. gas-cut mud. HP 4788#-4788#, FP 645#-772#, 1 hour SIP 4818#, FP 1151#-1607#, 2 hours SIP 4834#.

DST NO. 4 11,130'-11,190'

30 minute preflow, shutin 65 minutes, 1 hour regular flow, shutin 2 hours and 15 minutes. Opened on preflow with gas to surface in 5 minutes with 500# SFP on $\frac{1}{2}$ " choke, volume 700 MCFGPD. After 10 min. 1000# SFP on $\frac{1}{2}$ " choke, volume 1.4 MMCFGPD. After 20 min. 1700# SFP on $\frac{1}{2}$ " choke, volume 2.4 MMCFGPD. After 30 min. 2000# SFP on $\frac{3}{8}$ " choke, volume 6.802 MMCFGPD. Opened for regular flow period on $\frac{3}{8}$ " choke with 300# SFP with average rate of 1.05 MCFGPD. SFP after 30 min. was 2000#, volume 6.8 MMCFGPD. After 60 min. SFP was 2450#, volume 8,383,400 CFPD. Reversed out 50' condensate cut mud. HP 6082#-6038#, FP 1545#-3031#, 65 min. SIP 4455#, FP 1810#-3498#, 2 hrs. 15 min. SIP 4031#.