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~~ANADARKO PRODUCTION COMPANY~~  
~~Inter-Department Correspondence~~

JAN 19 1978

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 APPROVED: [Signature]

TO New Mexico Oil Conservation Commission DATE January 18, 1978

FROM ~~Anadarko Production Company~~

SUBJECT Turkey Track State Comm. #1 - Drill Stem Tests

## 11/3/77 DST #1 - Tested 6495-6650

Open tool for 10 min. Measured 9 psi on  $\frac{1}{2}$ " choke @ 35 MCFPD. No gas to surface. SI - 1 hour. Open tool - weak blow in bucket. Open tool 1 hour - fair blow decreasing to weak blow. Shut in 2 hours. Trip half way out of hole - reversed out 5' oil, 450' DM w/26000 ppm chlorides & 3625' SW w/116,400 ppm chlorides. (Normal mud chlorides = 20,000 ppm). FTOH. IHP = 2980, IFP = 470-970, ISIP = 2827, FFP = 1110-2212, FSIP = 2775, FHP = 2980, T° = 119°. Sample chamber: 3.2 cc gas, 2010 cc water, no oil, no DM @ 1425 psi.

## 11/9/77 DST #2 - Tested 8752-8882

Open tool for 15 min. Gas to surface in 12 mins. Max flow = 400 MCFPD (3/8" choke @ 115 psi). Start 1 hour Shut In period. Open tool  $1\frac{1}{2}$  hours. Max flow rate = 555 MCFPD (160 psi on 3/8" choke). Shut In 3 hours. TOH w/ $\frac{1}{4}$  of Drill Pipe. Reverse out 1750' of 45.2° gravity oil corrected to 60°F (25 bbls) + 330° DM filtrate (5 bbls) w/chlorides = 130,000 ppm. (DM = 145,000 ppm). RM filtrate = .09 @ 68°F. FOH. IHP = 4583, IF = 248-437, ISI = 3302, FF = 437-902, FSI = 2321, FHP = 4596 (decreased 1000# during test + well overbalanced).

## 11/13/77 DST #3 - Tested 9344-9558

Open tool for 15 mins. Gas surfaced in 12 mins. Max flow = 310 MCFPD (80 psi on 3/8" choke). Shut In 1 hour. Open tool 1 hour. Max flow = 500 MCFPD (3/8" choke @ 150 psi). Shut In 2 hours. TOH. Recovered 1554' of 55.8 gravity oil. @ 60° + 743' DM. T° = 164°, IHP = 4967, IF = 441-605, ISI = 3134, FF = 618-1048, FSI = 2691, FHP = 4942. Sampler contained: 11.8 cu ft gas @ 1550 psi, 545 cc oil and 175 cc DM @ 140,000 ppm chlorides. Resistivity of DM = .05 @ 70° F.

## 11/16/77 DST #4 - Tested 9688-9758.

Open tool for 10 mins. - fair blow in bucket. Shut In 1 hour. Open tool 1 hour - gas surfaced in 21 minutes (11 mins into 2nd flow). Max flow = 38 MCFPD ( $\frac{1}{4}$ " choke @ 12 psi). Shut In 2 hours. TOH Recovered: 30' gas cut DM (chl = 156,000 ppm, RM = .05 @ 65° = same as pit sample). Chart J375 (top): IHP = 5132, IF = 162-188, FSI = 3378, FF = 175-265, FSI = 4428 (& building), FHP = 5132. Chart T971 (bottom): IHP = 5102, IF = 118-145, ISI = 3319, FF = 132-226, FSI = 4373, FHP = 5102. Sample chamber: 20 cc DM @ 0 psi.

## 11/23/77 DST #5 - Tested 10720-10853

Open tool for 10 mins. - fair blow in bucket. Shut In 1 hour. Open tool 45 mins - flowed 4 MCFPD (1/8" choke @ 3 psi). Shut In 3 hours. SOH w/tools. Reversed out 243' DM. FOH T° = 167°, IHP = 5751, IF = 99, ISI = 428, FF = 6-12, FSI = 1035, FHP = 5751. Sample Chamber: 0 psi, 0 cu ft gas, 1260 cc DM.