

CORE NO. 9 - 5267-5310- (43) Cut 43'. Recovered 37'. Gallup formation.

- 5267'-5269' (2') Shale blk. w/streaks, 6" stk bent at 5268'-5269'. One vertical fracture. All gas bleeding along fracture.
- 5269'-5270' (1') Shale as above. No vertical fracture. Gas odor on fresh break.
- 5270'-5270 $\frac{1}{2}$ ' (1') Shale as above, with one vertical fracture.
- 5270 $\frac{1}{2}$ '-5272' (2') Shale as above, no vertical fracture.
- 5272'-5274' (1 $\frac{1}{2}$ ') Shale as above with one vertical fracture.
- 5274'-5276' (2') Shale as above. No fractures.
- 5276'-5287' (9') Shale as above with vertical fracture. Oil and gas along fracture.
- 5287'-5289' (2') Shale as above with no vertical fracture.
- 5289'-5294' (5') Shale, sandy calc bleeding O&G. One vertical fracture.
- 5294'-5297' (3') ss, fn. grain, shaly, calc poor to fair porosity & permeability. Bleeding O & G throughout.
- 5297'-5304' (7') ss, fn to med. grain, calc, scattered thin shale partings. Poor to fair porosity & permeability. Heavy bleeding gas & distillate throughout. One vertical fracture.
- 5304'-5310' (6') No recovery.

CORE NO. 10 - 5310-5340' (30') Recovered 11 $\frac{1}{2}$ '. Gallup formation.

- 5310'-5321 $\frac{1}{2}$ ' (11 $\frac{1}{2}$ ') ss, fine to med. grain, dirty, shaly with streaks shale scattered throughout. Scattered V.F.s at 20° to vertical scattered throughout.
- 5321 $\frac{1}{2}$ '-5340' (18 $\frac{1}{2}$ ') Not recovered.

RECEIVED
MAR 3 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

RECEIVED
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U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D.C.