

May 21, 1974

MONUMENT ENERGY CORP. NO. 1 IVA SEDBERRY
COMPLETION REPORT

Field: Wildcat

Location: 990' FN & 1650' FE Lines Section 25. T 17 N R 16 E
San Miguel County, New Mexico

Elevation: 6572' G.L., 6584' K.B. T.D.: 8400' driller, 8411' log

Spudded: 4/20/74. Reached T.D.: 5/10/74 P & A: 5/15/74

Casing: 12-3/4" @ 86' G.L. w/150 sx.
Drilled 9 1/2" hole to 2547'; 7-7/8" 2547' to T.D.

Cores: None

DST: No. 1 - 4620-4800:: Misrun

No. 2 - 4620-4800

15 min. preflow	142 psi
75 min. ISIP	157-171 psi
60 min. Flow	142 psi
60 min. FSIP	142-200 psi
H.P., initial & final	2414 psi
Weak blow air through 15 min. of flow period	
Rec. 30' drilling fluid, N/S	

Formation Tops:

Dakota	+6784 (300)	Glorieta	+4300 (2284)
Morrison	+6044 (540)	Upper Penn.	+3917 (2667)
Santa Rosa	+4729 (1855)	Lower Penn.	+2780 (3804)
Permian	+4544 (2040)	Top Sandia SS	+1954 (4630)

Geological Remarks:

Markers in subject well are virtually flat with those in the Hancock well, a short distance to the west. The top of Sandia is picked 20' higher than in the above well, but this is because of a stray bench of SS encountered @ 4630'. This bench was not present in the Hancock well.

THEORY

The purpose of this experiment is to determine the rate of reaction between hydrogen peroxide and potassium iodide.

The reaction between hydrogen peroxide and potassium iodide is as follows:

$$2H_2O_2(aq) + 2KI(aq) \rightarrow 2H_2O(l) + 2KOH(aq) + I_2(aq)$$

The rate of reaction can be determined by measuring the volume of iodine produced.

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