



ACID EVALUATION LOG TEMPERATURE LOG

COMPANY ARCO OIL & GAS COMPANY

RECEIVED

WELL EMPIRE ABO UNIT # "F" 336

AUG 6 1979

FIELD EMPIRE ABO

O.C.C.

COUNTY EDDY STATE NEW MEXICOLOCATION 2000' FWL & 1000' FWL

OTHER SERVICES

SEC 34 TWP 17-S RGE 28-E

GAMMA RAY

Permanent Datum GROUND LEVELLog Measured From KELLY BUSHINGDrill Measured From KELLY BUSHING

ELEVATION:

K.B. 3679'

D.F. 3678'

G.L. 3668'

Purpose of Survey LOCATE ACIDIZED ZONESSurvey Started 6-28-79 Time 8:00 A.M. Depth 5700'Completed 6-28-79 Time 2:00 P.M. Depth 6314'Operator C. DAVES Witnessed By MR. CURRY Job No. 7802-5470

WELL DATA

Casing 5-1/2" Depth T.D. AT 6314'Size 8-5/8" Depth 750'Line Size From ToOpen Hole From ToCasing Perforations From 6215' To 6229'From Open X SqueezedFrom Open X SqueezedFrom Open X SqueezedFrom Open X SqueezedFrom Open X SqueezedFrom Open X SqueezedFrom Open X SqueezedFrom Open X Squeezed

Tubing

Size 2-3/8" Depth 6123'S.N. 1 D Pen @

Plug @

Perfs. 1 D TILL OPENPacker @ 6123'

Multi String

Size 1 D DepthS.N. 1 D Pen @

Plug @

Perfs. 1 D

Packer @

1 D

Completion Data Treatment: 5% ACID WITH 1000 GALLONS GELLED CAL. GELOR. WATER WITH 1000 GALLONS GELLED LEASE OIL WITH 1000 GALLONS 15% ACID. FUSION WITH 24 BARRIERS LEASE CRUDE. TREATMENT TAGGED WITH RADIONUCLIDE MATERIAL AT 11 MCC PER 1000'. WELL ON VACUUM DURING ALL LOGGING. SEE LOG FOR CONCLUSION:

TEMPERATURE

DECREASE INCREASE



TEMP. RUN #1 12:30 P/M

TEMP. RUN #2 1:30 P/M

TEMP. BASF LOG 8:00 P/M

TUBING COLLARS

PACKER

CASING COLLARS

GAMMA RAY

RUN # 2 AFTER ACID

SEN. @ 200

RD= 6308

GAMMA RAY

RUN # 1 AFTER ACID

SEN. @ 200

RD= 6308

GAMMA RAY

BASF LOG

SEN. @ 200

RD= 6308

TEMP. RUN # 2

RD= 6314

TEMP. RUN #1

RD= 6314