

Cities Service Oil Co. #1 Government R
1830' FSL & 1980' FWL Sec. 14-T20S-R28E
Eddy County, New Mexico

DST No. 1: 4726-4883' (157') Delaware Sand. 5/8" B.C. Adj. T.C.
No wtr. cushion. Tool open w/fair blow increasing to
good blow at end of 17 min. preflow. Shut in for 90
min. ISIP. Reopened w/strong blow w/gas to surface
in 1 min. No surface press. on 1/8" choke. Gas TSTM.
Remained same for 90 mins. test period. SI for 90 min.
FSIP.

Recovered 78' of oil (1.06 bbls.) and 3270' formation
wtr. (46.0 bbls.) in 4-1/2 F.H. drill pipe. Sample
chamber at 4696 contained 1.2 cu. ft. gas at 200 psi,
80 cc of 39.2 API gravity oil and 2260 cc formation
wtr.

	<u>Top Gauge @ 4871</u>	<u>Bottom Gauge at 4877'</u>
IMCP	2175#	2188#
IF (preflow)	500#	480#
FF (preflow)	833#	843#
90 min. ISIP	2124#	2137#
IF	884#	884#
FF	1702#	1650#
90 min. FSIP	2085#	2081#
FMCP	2175#	2188#
BHT	102° F.	102° F.

DST No. 2: 9196'-9260' (64') Wolfcamp Limestone. 5/8" BC, no wtr.
blanket. Tool opened w/strong blow for 15 mins. preflow.
Gas to surface in 2 mins., 45# in 5 min., 140# in 10 mins.,
150# in 15 mins., on 1/4" choke. SI for 90 min. ISIP.
Reopened tool at 11:22 a.m. on 1/4" choke and cleaned to
pit w/FP increasing from 150# to 335# in 40 mins. Turned
through test equipment. Flowed 45 mins ARO 650 MCFD on
45/64" choke w/300# FP. No fluid to surface. Took 128 mins.
FSIP. Released pkrs. and reversed out 3/4 bbl. drlg. fluid
and 4 bbls. distillate. Circ. reverse 3-1/2 hrs. (mud in
at 9.9#/gal.-out foam). Changed over and circ. conventional
and cond. hole 5 hrs. (mud in 9.9#/gal.-out 9.8#/gal.).
Sample chamber at 9166' contained 1.5 cu. ft. gas at 325#
and 300 cc 55 API gravity distillate. Recovered 90' of wtr.
below circ. sub that titrated 144,000 ppm chlorides. Pit
sample titrated 139,000 ppm chlorides. Chart readings as
follows:

Top Chart at 9250'

IMCP	4456 PSIG
IFP	349-426 PSIG
90" ISIP	4660 PSIG
FFP	426-987 PSIG
128" FSIP	4597
FMCP	4686
BHT	152° F.

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