### WELL HISTORY

This well was drilled as a joint venture, Buffalo operating, for the purpose of injecting gas in the Maljamar Pool under REMARKS the Maljamar Cooperative Repressuring Association Agreement. The interests are represented in the table below:

Buffalo Oil Company R. W. Fair, et al Kewanee Oil Co.	(Operator)	28.125% 40.625% 31.250%
---	------------	-------------------------------

#### PIPE PROGRAM

219.61', 8 5/8" OD, 24#, J-55 set at 143' and cemented with 100 sacks 2% Gel. One centralizer on each of bottom Surface 2 joints. Cement circulated.

Intermediate None.

Production 126 jts., 4089.41', 5 1/2" OD, 15.5#, J-55, LT&C, set at 4099' and cemented with 610 sacks 8% Gel Incor and 100 sacks 2% Gel Incor cement. Baker guide shoe at 4099'. Baker Float collar at 4031'. One Baker ridge centralizer on each of bottom 7 jts. Float collar and bottom 3 jts. welded. Cement was calculated from Caliper Survey to come back to \$50' from the surface.

## DRILL STEM TESTS None.

#### CORED INTERVALS

The following intervals were cored with a Hillmac Inc. 7 5/8" OD diamond core head, 80' barrel, using water base mud (Salt-starch crude Gel) of 44 sec. viscosity and water loss below 10 sec/40 min.

Core No. 2, 3	3940-4020!	Recovery Recovery Recovery	100%
---------------	------------	----------------------------------	------

#### SURVEYS

HOWCO, Caliper Survey, TD - 143 HOWCO, Caliper Survey, TD - 173 Lane-Wells, Gamma Ray, Neutron, 2" Scale, 4084! to surface 5" scale, 4084 to 2000!

#### COMPLETION DATA

Cement was drilled out to PBTD 4093' with tubing and pipe was tested at 1000 psi. for 30 min. oK. Ran Lane-Wells Gamma Ray and Neutron logs. Perforated intervals below with Lane-Wells "E" gun perforator.

408780 4047-35 3970-37	7! 12! 33! 52!	4 shots/ft 4 shots/ft 4 shots/ft	28 shots 48 shots 132 shots 208 shots
------------------------------	-------------------------	--	--

Ran tubing with Baker retrievable bridge plug on bottom and Baker Model D, full bore, set down, retrievable packer just above. Set RBP at 4092', released, pulled packer up and set at 3989'. Swabbed well dry, small show of gas.

ACIDIZED perforations 4087-80', 4047-35' (8th zone) with 500 gal. 15% Dowell mud acid with W-17. (Non-Emulsifying). Maximum pressure 3000 psi. treating pressure 2800 psi., breaking to 1800 psi. injection rate 1-2 BPM. Swabbed well in and it kicked off flowing. Flowed 6.87 bbls. oil in form of spray in 14 hours.

FRACTURE TREATED perforations 4087-80', 4047-35' with 2000 gal. Western Control-Frac and 3000# sand. Flush 3600 psi. Treated 4600 psi., over-flush 3500 psi. After shut in 5 min. 1800 psi. injection rate 4 BPM. Swabbed 82.27 bbls. fluid of which 80% was water. Pulled and dressed packer, went back in hole, but could not circulate down to pick up RBP. Came out of hole and went back in with hit but could not get down to Came out of hole and went back in with bit, but could not get down to RBP because of frac sand bridge. LEFT BAKER RETRIEVABLE BRIDGE PLUG IN Cast iron bridge plug at 4015. Went back in hole with packer and set at 3892'.

Contraction of the contraction o

. 222.8 . 222.34 . 24.24.42

## -. ±0

၁၁ ႏွင့်

# intermediate ourse.

## 

The modification of the control of t

Core No. 1, 150-100 Core N j\$1.19€ 

## $-\Sigma$ $\Sigma$

CEC CWCJ, Unliner and against the stage brotherlis, Christian, Cartinos, and and against the stage of the

## mag valva ilbi

. Process were defined on a subject of the control of the control

\$1574-35 \$077-35 \$077-37 150. T 100 4 1 42.

Land and the second sec