

IVES A No. 1

PBTD 11,544', Depleted Morrow perfs 11, 186 - 11,196' (P&A),
New Morrow Perfs 11,225 - 11,507'.

MIRU pulling unit. Killed well and loaded hole w/150 bbls 2% KCL fresh wtr. ND tree. NU BOP. Released Baker lok set pkr and pulled tbq. RIH w/RTTS on 2-7/8" tbq. Set RTTS at 11,053'. Press annulus to 3000# - ok. PIF at 3 B/M at 3300#. Sqz'd Morrow perfs 11,186 - 11,196' w/100 sx Class H w/0.6 of 1% Halad 9. Max press 5000# w/73 sx in formation and 9 sx below tool. Reversed out 18 sx (walking sqz). Released RTTS and reset at 10,433'. Press annulus to 1000# and tbq to 3000#.

Released RTTS & POOH. RIH w/4-5/8" RB, 5-1/2" csg scraper and 4 3-1/2" DCs on 2-7/8" DSS-HT tbq. Tagged cmt at 11,060'. Press tstd csg to 2000#/15 mins - ok. Drld hard cmt 11,060-11,203' and fell free. RIH to 11,526' and CHC. Pulled bit to 11,520'. Tested sqz to 2000# for 15 mins - ok. Circ hole w/2% KCL wtr. Spotted 500 gals 10% Acetic Acid 11,520-11,200'. POOH w/tbq. RU. Jet perf Morrow SS 2 shots/interval using 4" Hyper Jet II csg gun w/0.46" entrance holes and 16.13" Penetration 11,275, 11,276, 11,291, 11,294, 11,295, 11,297, 11,362, 11,363, 11,364, 11,449, 11,450, 11,451, 11,453, 11,455, 11,504, 11,505, 11,506, 11,507', and 11,225, 11,226, 11,227, 11,228, 11,229 and 11,230'. Total 48 holes covering porosity intervals 11,225-11,507'.

RU. Acidized Morrow SS perfs 11,225-11,507' w/6000 gals 7-1/2% MS acid w/additives. Used 1000 SCF N2/bbl and 72 7/8" RCNCBs. Did not ball out but had good action. Press annulus to 2500# ok. Max press 7500#, min 6500#, ISIP 4700#, 10 min SIP 3900#. AIR 9.3 B/M. RU. Ran 72 hrs BHP bomb and set at 11,366'. 72 hr SITP 3687 DW. POOH w/72 hr BHP bomb. RIH w/25 hr bomb and set at 11,366'. Flwd 4 pt test as follows:

<u>Time</u>	<u>Gas Rate-MCFD</u>	<u>CHOKE</u>	<u>FTP</u>	<u>BP</u>
1 hr	1350	2.5/64"	3120#	520#
1 hr	1700	5/64"	2867#	527#
1 hr	2000	7/64"	2572#	534#
1 hr	2300	10/64"	2125#	534#

Morrow zone flowed on C.A.O.F. 3135 MCFD.