GREATER MIDWEST OIL COMPANY, INC.

#2 OSBORN - MEOR FIELD TRIAL - CASE HISTORY #200

Oil Field Name: Tompsonville Pool
Location: SEC 7, T 7 S, R 5 E - Hamilton, Co. IL

The #2 Osborn is part of a 9 well lease under waterflood. It is located approximately 660 feet from one of 4 injection wells on the lease. The #2 has a recent history of moderate to heavy paraffin build-up, and its production had declined from 125 BOD initially to 2 BOD just prior to MEOR treatment with Wel-Prep 5. No casing head gas was being produced at the time of the WP-5 treatment.

#2 Osborn Completion History:

Drilled in	1986
Completion Depth	3,120 ft.
Casing Depth	3,150 ft.
Avg. oil production at completion	125 bbl/day
Oil production 1990 (Before WP-5 Treatment)	2 bbl/day
Oil/Water ratio at completion	1 : 0
Oil/Water ratio 1990 (Before Treatment)	1 : 1
Type of Formation	Auxvases Sandstone
Down Hole Temperature	80 - 85° F
Thickness of Oil Bearing Formation	12 Feet
Permeability (k)	? md
Porosity	16
API Gravity	39-40°
Type Oil	Paraffinic
Water Saturation:	5%
Initial Treatment Date:	11/15/1990

INITIAL TREATMENT METHOD:

Well bore fluids were pumped down and 20 gallons #2 diesel were injected through the well annulus, followed immediately by 1/2 drum (27.5 gallons) Wel-Prep 5 Oil Recovery Fluid, and then a two barrel lease water flush. A 7 day shut-in was planned, however pump repairs necessitated a 21 day shut-in. Following the extended shut-it, the well bore fluids were circulated for approximately 2 hours and the well was turned back into production on 12/06/1990.

	IMMEDIATE PRE-TREATMENT	POST-TREATMENT
Oil:	2 bbl/day	4 bbl/day
Oil/water ratio:	1 : 1	1 : 0.5
Gas:	None	Substantial Gas Pressure
Lease Production:	10 bbls/day	20 bbls/day / 19 bbls/day as of 06/15/1991

COMMENTS:

Although the #2 Osborn is part of an active water flood project, the well was treated by itself independent of the field flood to address the well's paraffin problems. Wel-Prep 5 was not injected through an injection well as is the case for a microbial enhanced water flood project. The producer reported that the rods and tubing were checked during a pump change-out while the well was shut in, and they showed no evidence of paraffin build-up. He also reported that the tank bottom, usually covered with a layer of sludge, is now clean. No further follow-up on this case history was done as the producer has filed a chapter 11 bankruptcy petition.