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(54) **Title:** COMPOSITIONS AND METHODS FOR IMPROVING THE PRODUCTIVITY OF HYDROCARBON PRODUCING WELLS

(57) **Abstract:** Compositions comprise nonionic fluorinated polymeric surfactants and solvent. The solvent comprises: at least one of a polyol or polyol ether, wherein the polyol and polyol ether have from 2 to 25 carbon atoms; and at least one monohydroxy alcohol, ether, or ketone having from 1 to 4 carbon atoms, or a mixture thereof, wherein the solvent is capable of at least one of solubilizing or displacing brine or condensate in the hydrocarbon-bearing clastic formation. Embodiments of the compositions are useful in recovery of hydrocarbons from hydrocarbon-bearing clastic formations that contain brine and/or condensate.



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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER
 IPC: C09K 8/60(2006.01);E21B 21/00(2006.01)

 USPC: 507/205,225; 166/305. 1,308. 1
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 507/205,225;166/305. 1,308. 1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 STIC NPL Search, EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0092581 A1 (CREWS) 15 May 2003 (15.05.2003) paragraph 0043	1-10
Y	US 6,664,354 B2 (SAVU et al.) 16 December 2003 (16. 12.2003) Col. 1 Line 62 - Col. 2 Line 14, Col. 2 Line 42 - Col. 3 Line 20, Col. 11 Line 55 - Col. 12 Line 10, Col. 14 Line 54 - Col. 15 Line 14 and Col. 40 Lines 45-65	1-10

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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