PROJECT FACT SHEET

CONTRACT TITLE: New Water Jet Advanced Technology to Enhance Oil Recovery/Independent Award

ID NUMBER: DE-FG26-99BC15244

B&R CODE: AC1010000

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PROJECT SITE
CITY: Gaines County **STATE:** TX
CITY: **STATE:**
CITY: **STATE:**

CONTRACT PERFORMANCE PERIOD:
07/15/1999 to 06/17/2000

PROGRAM: Field Demonstrations
RESEARCH AREA:
PRODUCT LINE: DCS

FUNDING (1000'S)	DOE	CONTRACTOR	TOTAL
PRIOR FISCAL YRS	30	31	61
FISCAL YR 2000	0	0	0
FUTURE FUNDS	0	0	0
TOTAL EST'D FUNDS	30	31	61

OBJECTIVE: Drill water jet drain hole laterals in San Andres oil well, acidize - Gaines County, TX.

PROJECT DESCRIPTION:

Background: Low volume producing wells can be recompleted with directional lateral well bores to improve production performance by increasing the formation open to production. Unfortunately, the cost of full diameter laterals is difficult to justify in fields that have low volume producers. Small diameter laterals or drain holes can be drilled with a truck mounted, small diameter, high pressure, through tubing water jetting/drilling assembly recently constructed for marginal well and workover applications.

Work to be Performed: Drain holes will be drilled through a tubing conveyed high pressure, small diameter bit and jet assembly, as mini-laterals in well Wood#1, located in the Tedbit Field, Gaines County Texas. The high pressure assisted drilling assembly will drill the mini-laterals or drain holes through casing and into the San Andres formation; following the drilling operations, the drain holes will be acidized and the well returned to production.

PROJECT STATUS:

Current Work:

Scheduled Milestones:

Prepare well Wood No. 1 for water jet drilling operation	10/99
Mobilize portable water jet drilling unit	11/99
Drill mini laterals in well Wood No. 1	11/99
Acidize mini laterals	11/99
Return well to production	11/99

Accomplishments: The well has been selected and prepared for the water jet drilling operation. Drilling equipment will be mobilized for the work on well Wood No. 1 during November, 1999.