

Catclaw Draw Unit #9  
Catclaw Draw (Morrow) Field  
Eddy County, NM  
OP: Hallwood

SPG 1228  
AFE #1143001  
AFE \$76,500  
73.95830% WI

RECEIVED

JUL 31 1991

O. C. D.  
ARTESIA, OFFICE

PROCEDURE: T&A Morrow "C" zone and recomplete  
to Morrow "A" and "B" zones.

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Magnum pkr, sting into pkr and land tbg. RU Wedge Wireline, RIH w/Gamma Ray and correlate setting depth, TCP guns at 10,432-446', 10,468-477, 10,488-506, and 10,602-636. Uni VI pkr at 10,366, "XL" profile nipple at 10,335, 325 jts 2-7/8" N-80, one 4' pup jt, 1 jt 2-7/8" N-80. SDFN. Note: While RD tbg testers, tools dropped. RU Wedge, and retrieved tools at 9300'. Pulled testing tools, release testers.

PO: ND BOP, NU tree.

DC: \$13,250

CC: \$26,060

05/17/91 - ND BOP, NU tree, lay and stake flow line to pit. RU Rowland Trucking, load csg w/2 bbl 2% KCl. Pump 15 bbl 2% KCl down tbg, 2600' fluid over guns, 1150 psi hydrostatic. 5 min safety mtg, dropped bar, 1 min 45 sec guns fired. Unloaded fluid, stabilized flow rate 2600 psi, 12/64" choke. Est flow rate 1.5 to 2 MMCF on 12/64" choke at 2600# FTP. Note: flowed well periodically at the following: 4000 MCFD, 16/64" choke, 2550# FTP; 9000 MCFD, 24/64" choke, 2500# FTP. Stabilized flow rate at the 1.5 to 2.0 MMCF rate for 24 hrs. Will SI well this AM after running bombs, run a 72-hr buildup, then run a 4-point test.

DC: \$33,310

CC: \$59,370

05/18/91 - Flowing well on 12/64" choke at 2600 psi. RU Pro Well Testers, RIH w/two 107-hr EMR electronic 10,000# press bombs and w/one 120-hr Amerada 8000# press bomb. Will leave well SI until Tuesday AM. RD pulling unit, rls BOP equip.

PO: SI for state required psi buildup prior to 4-point test.

05/19/91 - SI for BHP test.

05/20/91 - SI for BHP test.

DC: \$2950

CC: \$62,320

05/21/91 - Prep to pull bombs and run 4-point test.

DC: \$0

CC: \$62,320

05/22/91 - SITP 2700 psi, SICP 0 psi. RU Pro Well Testers, TIH and retrieve press bombs. RIH w/24-hr Amerada bombs. NU flow testers and run 4-pt flow test. SWI. Get 15 min SI, pull press bomb, 5 min SI 2700 psi surf press.

| <u>Point</u> | <u>Rate</u> | <u>Choke</u> | <u>FTP</u> | <u>Static Press</u> | <u>Duration</u> |
|--------------|-------------|--------------|------------|---------------------|-----------------|
| 1            | 1436 MCFD   | 13/64        | 2565       | 480                 | 1 hr.           |
| 2            | 2597 MCFD   | 14.5/64      | 2420       | 510                 | 1 hr.           |
| 3            | 3673 MCFD   | 17.5/64      | 2270       | 510                 | 1 hr.           |
| 4            | 5413 MCFD   | 20/64        | 2055       | 540                 | 1 hr.           |