

OIL CONSERVATION DIVISION
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ENRON
Oil & Gas Company

1994 AUG 5 PM 8 50

P. O. Box 2267 Midland, Texas 79702 (915) 686-3600

August 5, 1994

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conversation Division
P.O. Box 2088
State Land Office building
Santa Fe, New Mexico 87504

Attn: Mr. David Catanach

RE: Administrative Order SWD-549
Salt Water Disposal
Vaca Ridge "30" Federal Com. No. 1

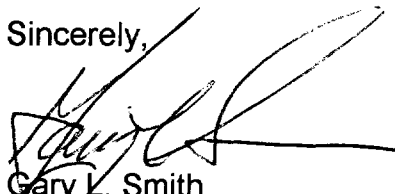
Gentlemen:

As per our conversation last week, I have attached the well report for Enron's conversion of this well to salt water disposal. As we discussed, we perforated only the lower portion of the permitted interval in the Bell Canyon.

Due to the increase in injection depth, we are asking that the maximum wellhead injection pressure be increased to 1,260 psi.

If you have any questions, please contact me in Midland at 915/686-3743.

Sincerely,



Gary L. Smith
Project Production Engineer

cc: Well File
J. C. Ball
Betty Gildon

attachments

VACA RIDGE "30" FEDERAL COM NO. 1 (RC-GAS)

1,980' FSL & 1,980' FWL

Section 30, T24S-R34E

Lea County, New Mexico

Pitchfork Ranch Field

Oper: Enron Oil & Gas Company

6,200' Cherry Canyon Morrow

EOG%: 100.000% WI

AFE No. 100445 \$129,838

SC No.

- 04-05-94 ND wellhead, NU BOP's; unload, strap & clean tbg; total 482 jts w/1 bad pin & 11 bad boxes; load hole w/42 bbls 10# brine, test csg & blinds to 2,000 psi, OK; PU 5,606' 2-7/8" tbg (179 jts); SDFN. EDWC: \$4,171 ETWC: 4,971
- 04-06-94 PU total of 470 jts 2-7/8" tbg, tagged up @ 14,690'; reverse circ, 120 bbls @ 2.5 bpm w/1,000 psig; spot 10 sks plug w/Western class "H" & .2% LWL; LD 45 jts to 13,300; spot 80 sks plug class "H" & .2% LWL; pull 15 stands to 12,370', reverse out; SI. EDWC: \$3,507 ETWC: \$8,478
- 04-07-94 1 hr TIH, tagged cmt @ 12,748' (liner @ 12,751'); 1 hr tested liner top w/2,000 psi for 15 min, OK; circ unbalanced fluid for 30 minutes; 3/4 hr spotted 25 sk plug @ 12,748; 2-1/2 hrs LD tbg & spot 35 sk plug @ 12,370'; 2 hrs LD tbg & spot 35 sk plug @ 9,394' (9,400'); 2-1/4 hrs LD tbg to 6,763', spot 35 sk plug; 1 hr PU to 6,543', reverse out 2 bbls cmt, 9 sks, pull 10 stands; SI; All plugs except the last one were Class H & .2% LWL, last plug 20 sks class "H" neat & 15 sks "H" w/.2% LWL; EDWC: \$11,047 ETWC: \$19,525
- 04-08-94 1/2 hr TIH to tag cmt @ 6,543', went down to 6,603' & did not touch anything; 1-1/2 hr TOH; 6 hrs RU Apollo, ran bond log under 1,500 psi pressure; perforate 4 shots per ft from 6,304' to 6,360' (224 holes); 2-1/2 hrs PU 9-5/8" Baker Fullbore pkr, TIH to 6,200'; secured well; EDWC: \$15,052 ETWC: \$34,577
- 04-09-94 1/2 hrs TIH to 6,360'. 1 hr spot 250 gals 15% NEFE from 6,360' to 6,304'. 2 hrs test lines to 6,800 psi, acidize w/4,750 gal 15% NEFE acid, formation broke down @ 1600 psi @ 2 BPM, pumped 150 balls; treated pressure min 1,200 psi, max 3,300 psi, average 2,300 psi. Injection rate 7 BPM on treated fluid, 9.2 BPM on flush, instant SI 900 psi, 5 min 850 psi, 10 min 800 psi, 15 min 800 psi. 1 hr TIH w/pkr to knock off balls. 1/2 hrs pulled up set pkr, ran injection test 3 BPM, 850 psi, 4 BPM, 1100 psi, 5 BPM, 1,750 psi. 4-1/2 hrs LD tbg work string & fullbore pkr. 1-1/2 hrs load out work string, unload production string, secure well. EDWC; \$6,946 ETWC: \$41,523
- 04-10-94 4-1/2 hrs PU 9-5/8" Baker Model A-3 LokSet w/Baker Model "FL" on-off tool and pump out sub, PU 190 jts 2-7/8" 6.5# J55 plastic coated tbg, set pkr @ 6,229' w/6,000 lbs compression (tbg wt. 40,000 lbs). 2 hrs displaced hole w/436 bbls pkr fluid. 2 hrs ND BOP and NU WH. 1-1/2 hrs pump out pump out plug w/2,000 psi. Pressured up on annulus w/1,000 psi for 15 min, ok. Release rig & rentals. EDWC; \$48,390 ETWC: \$89,913