Form 146-5 (June (990)       UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT       FIGMA 4780/VE Judge States to 106-013 Budge States to 106-013 Budge States to 106-013 SUNDRY NOTICES AND REPORTS ON WELLS         Do not use this form for proposals to different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals       N. 16139         1       SUBMIT IN TRIPLICATE       1. Human and Management State SUBMIT IN TRIPLICATE       1. Human and Management State Not State SUBMIT IN TRIPLICATE         1       New of Ownerse Encron 011 5 Gas Company       5. APP Well State Sta		N. P.( HC	M. OIL CONS. COMMISSION O. BOX 1980 DBBS, NEW MEXICO 88240	
NUMDRY NOTICES AND REPORTS ON WELLS         Do not use this form for proposals to diffior to deepen or reentry to a different reservoir.         SUBMIT IN TRIPLICATE         Num different reservoir.         SUBMIT IN TRIPLICATE         ' Hund Addement Parking Colspan="2">Num different reservoir.         SUBMIT IN TRIPLICATE         ' Hund Colspan="2">Num different reservoir.         ' Hund Colspan="2">SubMIT IN TRIPLICATE         ' Hund Colspan="2">Colspan="2">Num different reservoir.         ' Hund Colspan="2">Colspan="2">' Hund Colspan="2"         ' Hund Colspan="2"         ' Hund Colspan="2"         ' Locales of Mult So Colspan="2"         ' Hund Colspan="2"         ' Locales of Mult So Colspan="2"         ' Hund Colspan="2"         ' Hund Colspan="2"         ' Colspan="2"         ' Hund Colspan="2"         ' Colspan="2"	Form 3160-5 UNITED STATES June 1990) DEPARTMENT OF THE INTERIOR		FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993	
Type of Well     Over      Well Well     Over     Well Well     Over     Well Well     Over     Well See Company     See	Do not use this form for proposals to d	NM 16139 6. If Indian, Allottee or Tribe Name		
Weil Weil Operator     Weil Coder     Weil Cod				
Enron 0il & Gas Company       Veca Kalge 4 Fed Com.         3 Address and Telephone No.       9. Box 2267, Midland, Texas 79702       0. Box 2268/91         4 Loastion of Well (Focuge, Sec. T. R. M. or Survey Description)       0. 025 284/91       0. Field ad Peck of Eighenson yrate.         660' FNL & 1980' FWL Sec 4, 7253, R34E       1. County or Partick. Set: Lea County, I       1. County or Partick. Set: Lea County, I         12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION       TYPE OF ACTION         Subsequent Report       Description       Nonce of Intent         Moue of Intent       Adatadomment Recomptation       Nonce of Final Nonce of Intent         13. Description Private Report       Dispersion Report       Dispersion Report         13. Description Private Reports       Matering Caing Recompletion       Outring Caing Recompletion         13. Description Private Reports       Statesque at the dependent description and measured and the version dependent stores to this work?         Recompletion & frac job of existing Morrow "A" perfs 14,420'-14,426'       See attached         5-18-94 24 hrs flowed 2700 MCF, 57/64"chk, FTP 850, CP 650.       Title         14. Thereby centrify that the degreget a true and correct signed Little Complete Correct       5/19/94	Oil Gas Well Well Other		8. Well Name and No.	
P. 0. Box 2267, Midland, Texas 79702       Difference 2004 20491         Iteration of Well (Foregas, Sec. T., R., M. or Survey Description)       Iteration of Well (Foregas, Sec. T., R., M. or Survey Description)         660' FNL & 1980' FWL       Lea County, I         Sec 4, T25S, R34E       Lea County, I         IP: CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       Lea County, I         IP: CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF ACTION         IP: Field at Point Report       Recompletion       New Construction         IP: Field Abandonment Report       Pueging Back       New Construction         IP: Field Abandonment Notice       Abandonment Acting Caung       Water Shut-Off         IP: Describe Proposed or Completed Operations (Clearly state all perturent details, and give perturent date, including estimated date of narmag any proposed work. If well is directonally drift         IP: Describe Proposed or Completed Operations (Clearly state all perturent details, including estimated date of narmag any proposed work. If well is directonally drift         IP: Describe Proposed or Completed Operations (Clearly state all perturent details, including estimated date of narmag any proposed work. If well is directonally drift         IP: Describe Proposed or Completed Operations (Clearly state all perturent with work.)*       Recompletion and matured and true versus depths for all markers and zone perturent to this work.)*         Recompletion & frac job of			Vaca Ridge 4 Fed Com. #	
4. Location of Well (Foonge. Sec. T. R. M. or Survey Description)       Pitchfork Ranch Morrow         660' FNL & 1980' FWL Sec 4, T25S, R34E       Lea County, 1         12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION         Image: Sec. 4, T25S, R34E       Image: Sec 4, T25S, R34E         12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA         TYPE OF SUBMISSION       TYPE OF ACTION         Image: Sec. 4, T25S, R34E       Image: Sec. 4, T25S, R34E         13. Describe Proposed of Completed Operations (Clearly state all perturbed details, and give perturbed dates, including estimated date of arrang any proposed work. If well is directomally draft generations in the period of Sec. 11 and Takes and resulted and these vertical depths for all markers and zones perturent to this work.)*         13. Describe Proposed of Completed Operations and measured and the vertical depths for all markers and zones perturent to this work.)*       Recompletion & frac job of existing Morrow "A" perfs 14,420'-14,426'         See attached       Solar at a context of operations and ormet       Image: Sec. 4, 13 1994         14. Thereby certify that the fortgoing a core and correct       Signed Mitture Uncompleted Official Trate_Regulatory Analyst       Date			30 025 28491	
660' FML & 1980' FML       Lea County, I         Image: County of Sec 4, T25S, R34E       Lea County, I         Image: Check APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF SUBMISSION         Image: Check APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF SUBMISSION         Image: Check APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       TYPE OF SUBMISSION         Image: Check APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       New Construction         Image: Check APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       New Construction         Image: Check APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       New Construction         Image: Check APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       New Construction         Image: Check APPROPRIATE BOX (s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       New Construction         Image: Check APPROPRIATE BOX (s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA       New Construction         Image: Check APPROPRIATE APPROPRIATE AND (s) The Completed of Stating Check APPROPRIATE AND (s) The Completed of Completed Operation to Inject APPROPRIATE APPROPRING APPROPRIM	4. Location of Well (Footage, Sec., T., R., M., or Survey Description)		Pitchfork Ranch Morrow	
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VACA RIDGE 4 FEDERAL COM NO.1 660'FNL,1980'FWL,4-25S-34E LEA Co., NM Spud Date:

## D&C: 1,500' MORROW DEV EOG%: 58.1709% AFE No.: 10-0431 DHC: 0; CWC: 288,000

- 04/30/94 1 hrs SITP 100 psi. MIRU HLS slick line, mast truck, 5,000 psi lubricator. 2 hrs RIH w/1.75" OD OS w/1" grapple, shear down tool, spang jars, oil jars, 8' of 1-1/2" stem on slick line. Sat down @ 14,923' (no KB correction), could not get over fish. Work OS trying to get over fish, no success, POH, LD OS, no marks on OS. 1-1/2 hrs RIH w/1`.75" OD OS, shear up tool, knuckle jt, spange jars, oil jars, 8' 1-1/2" stem, tool wt 375 lb. SD again @ 14,923'. Worked tool hard trying to get over fish. May have gotten a couple of friction bites, oil jars went off. Tools apprear to not be getting on top of fish. POH, LD tools, all string still intact, no marking on inside of OS, possiby one scrape on OD. Baker thinks tool is setting on debris or fill above fish due to lack of marks on tool, believes we are not going beside fish. 3/4 hrs RIH w/1.85" OD impression block. Only mark on block is small dull impression on side. Did not set on metal, Baker thinks we set on fill. 1 hr RIH w/2.00" OD downjar bailer (w/2 witness marks on ID) to bail fill off fishing neck. POH, bailer empty, no marks on inside or outside, btm lip of bailer shiny. 1-1/2 hrs RIH w/1.75" OD junk basket. Worked on tool on top of fish. POH, nothing in JB, no marks on tool. 1-1/2 hrs RIH w/1.85" OD OS and shear up tool, attempt to get back on fish, no success. 1 hr WOO. RD slick line, SION. DWC \$1,930. CWC \$22,833.
- 05/02/94 DWC \$1,930. CWC \$22,833.
- 05/03/94 No Report.
- 05/08/94 4-1/4 hrs RU Howco pump truck & nitrogen truck. Test lines to 8,600 psi. Pumped pad 170,000 SCF/N2 @ 3,000 SCF/min. Pressure steadily climbed from 1,200 psi (SITP) to 7,500 psi. SD N2. Pumped 30 bbls 4% KCL gel w/20/40 brown sand @ 1.5 to 2.5 BPM. Pressure declined to 6,535 psi. Displaced w/60,000 SCF/N2, final pressure 5,560 psi. Max press 7,500 psi, min press 2,145 psi; avg press 5,500 psi. Average rate 2.5 BPM on fluid, 3,000 SCF/min on N2, gel 30 bbls, flush 26 bbls. N2 170,000 SCF/pad, N2 60,000 SCF/flush. DWC \$9,715. CWC \$32,548.
- 05/09/94 2-1/2 hrs SITP 2,700 psi, SICP 500 psi. RU HLS, TIH w/bars, tagged top of sand @ 14,587'. 2-1/2 hrs PU 20' of 1-9/16" dump bailer. 1st run CCL @ 14,549' when bailer dumped 2nd run CCL @ 14,540' when bailer dumped 3rd run CCL @ 14,531' when bailer dumped 4th run CCL @ 14,525' when bailer dumped. 1 hr RD HLS, TP 2,500 psi, CP 500 psi, SIW. Cmt used was Special Bond Cement in 4 separate kits, 24 hr compressive strength is in excess of 4,000 psi. DWC \$11,517. CWC \$44,065.

Page 2 VÁCA RIDGE 4 FEDERAL COM NO.1 D&C: 1,500' MORROW 660'FNL, 1980'FWL, 4-25S-34E DEV EOG%: 58.1709% LEA Co., NM AFE No.: 10-0431 Spud Date: DHC: 0; CWC: 288,000 05/12/94 SITP 2,427, CP 750; 5 hrs MIRU Howco, Lay & test lines to 11,000 psi; frac Morrow A zone w/28,672 gals 60 Quality CO2 Alco-foam & 20,000# 20/40 Interprop plus as follows: Stage 1 1500 gals MOD 101, 8 BPM, 6600 psi Stage 2 3000 gals gel (spacer) 9.2 BPM, 10600 psi Stage 3 15000 gals gel (pad), 15.9 BPM, 10518 psi Stage 4 1971 gals gel, 15.6 BPM, 10650 psi w/0.5-1.5 ppg prop Stage 5 2011 gals gel, 16.2 BPM, 10790 psi w/1.5 ppg prop Stage 6 2050 gals gel, 15.7 BPM, 10972 psi w/2.0 ppg prop Stage 7 2050 gals gel, 14.0 BPM, 10680 psi w/2.5 ppg prop Stage 8 1890 gals gel, 12.5 BPM, 10800 psi w/3.0 ppg prop Stage 9 700 gal gel flush, 8 BPM, 11100 psi screened out Avg rate 15 BPM, avg press 10,616 psi, max press 11,750 psi, ISIP 9,907, 5 min 6,837, 10 min 5,270, 15 min 4,312; BLTR 339 (203 bbls methanol, 136 bbls water) total CO2 pumped 72 tons; max annular press 4,100 psi, tag all prop w/0.5 millicurie/1000# w/Iridium-192; RD Howco; 2 hrs well SI wait for gels to break, SITP 850, CP 0; open well to tank; 7 hrs well flowing on 16/64" chk; TP 20; CP 600; rec 20 bbls wtr & heavy sand; 2 hrs SI well BU TP 140, CP 650; open well to tank; 8 hrs flowing @ 18/64" chk; TP 0, CP 650; no fluid; Cudd coil tbg unit RU on well this am; DWC \$96,160. CWC \$206,914. 05/13/94 13 hrs MIRU CTU, TIH jetting well, FL 8,000', jet water to 11,050', well blew dry, jet well to 14,450' (perfs 14,420'-26'); rec'd no sand, TOH w/coil tbg, SD N2, RD Cudd, total wtr rec'd 15 bbls wtr; @ 6:00 am SITP 650, CP 500. DWC \$9,798. CWC \$217,521. 05/14/94 24 hrs SIBP, SITP 650, CP 500. CWC \$217,521. 05/15/94 SITP 690, CP 500; 6 hrs MIRU Schlumberger WL; RIN to run tracer log across frac treated interval 14,420'-426'; tag sand bridge @ 13,986'; found FL @ 11,050' w/logging tool; TOH RD Schlumberger; found FL @ 11,050' w/logging tool; 6 hrs open well to tank to tbg; lift sand bridge, well died no sand recovered; 12 hrs SI well, will jet well. DWC \$3,540. CWC \$221,061.

- 05/16/94 24 hrs SITP 600, CP 630, well SI, foam jet sand bridge. CWC \$221,061.
- 05/17/94 SITP 700 psi, CP 630 psi. 13 hrs MIRU Cudd CTU, TIH foam jetting well, FL 11,050' found sand bridge @ 13,986' to 14,010'. Foam jet to 14,450' jet out sand, SD foamer. Jet well dry with N2, TOH to 13,000', SD N2. 11 hrs well flowing to tank, 30/64" choke, TP 100 psi, CP 630 psi, rec 78 BW, 0 BO. DWC \$10,200. CWC \$231,261.