

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30 015 25928
5. Indicate Type of Lease FEDERAL <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. NM 33437-A
7. Lease Name or Unit Agreement Name Roche Federal
8. Well No. 3
9. Pool name or Wildcat Shugart Yates Seven Rivers

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	RECEIVED
2. Name of Operator Enron Oil & Gas Company	
3. Address of Operator P. O. Box 2267, Midland, Texas 79702	
4. Well Location Unit Letter <u>I</u> : <u>2180'</u> Feet From The <u>south</u> <u>ARTESIA OFFICE</u> <u>660</u> Feet From The <u>east</u> Line Section <u>7</u> Township <u>18S</u> Range <u>31E</u> NMPM <u>Eddy</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3640.9' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-21-89 - 8-5/8" casing set @ 2482'. Cemented w/1000 sx. Circ 102 sx to reserve pit.
10-23-89 - Drilled 7-7/8" hole to 3235'. The 8-5/8" casing collapsed & parted from 2025' to 2075', sticking the drill string.
10-24 and 10-25-89 - Fishing for drill string. Recovered entire drill string intact.
10-26 thru 10-29-89 - Milling on 8-5/8" casing to 2073'. Peices of the 8-5/8" casing were being recovered during milling operations inidcating the casing was beyond repair.
10-30-89 - Prep to skid drilling rig and drill new well.

Roche Federal #3 was flowing oil from the Yates formation at intervals 2096' to 2102' and 2140' to 2154'. T-bing was run in the well to a depth of 2009' and the well was completed on December 8, 1989. TD 3235', PBDT 3235'. Detailed report attached. Plans are to produce the Yates formation until it depletes & then plug and abandon this wellbore.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Betty Gildon TITLE Regulatory Analyst DATE 1/24/90
TYPE OR PRINT NAME Betty Gildon for Billy Helms TELEPHONE NO. (915)686-3716

(This space for State Use)

ORIGINAL SIGNED BY
MIKE WILLIAMS

APPROVED BY W. Williams TITLE SUPERVISOR DISTRICT II DATE JAN 30 1990

CONDITIONS OF APPROVAL, IF ANY:

ROCHE FEDERAL No. 3 (DW-Oil)

660' FEL & 2180' FSL
Section 7, T18S, R31E
Eddy County, New Mexico
Sand Tank Prospect
Shugart, North Field

Oper: ENRON OIL & GAS COMPANY
8,575' Bone Spring
EOG %: 42.857143 WI, 33.21428 NRI
AFE No. 0051190005
CPC: \$248,400, CWC: \$562,600
SC NO. N/A
Product Call %: 42.857143

10-21-89 (5) PRESENT OPERATION: WOC

2482'; pmp #2 lnr & stroke 5-1/2 x 15; SPM 64; GPM 305; 1200#;
MW 10; vis 29; pH 9.5; 5-1/2 hr RU Halib WL services; 2-1/4 hr
TIH; 1 hr circ; 2-1/2 hr POOH, LD 8" DC; 4 hr RU csg crew, run
62 jts 8-5/8" J-55, K-55, total 2488'; set @ 2488'; 1 hr circ
twice cap of csg; 1 hr cmt w/ B.J. Titan w/800 sx "C" lite w/10%
salt & 1/4# celloflake, yield 1.86, 12.7 ppg; followed w/200 sx
Cl "C" w/1/4# celloflake, yield 1.32, 14.8 ppg; did not bump
plug circ 102 sx to reserve pit; Note: RD B.J. Titan, well
started flowing cmt; wash up BOPE & close Hydril; press up to
200 psig w/rig pump; press incr to 300 psig; WOC 6-3/4 hrs; EDMC
\$0; ETMC \$1,040; EDWC \$12,295; ETWC \$81,138

10-22-89 (6) PRESENT OPERATION: Drilling

2800' (318'); 9-1/4 hr drlg; dolo; bit #3 7-7/8 HTC J44C H97HD;
jets 12/12/12; in @ 2482' (318'); 9-1/4 hr drlg; 50,000#; RPM
40; pmp #2 lnr & stroke 5-1/2 x 15; SPM 66; GPM 326; 1400#; AV
DP 196; DC 251; MW 8.8; vis 28; pH 11; 2 hr well closed in, ck
press, 8:00 am 225#; 9 hr ND BOP, cut off 11-3/4" wellhead, weld
on 8-5/8" x 11" 3000#, test head to 900 psi; 1/2 hr test blind
rams & choke manifold to 2000 psi for 15 min-OK; 2-1/4 hr PU
BHA, TIH; 1/2 hr test pipe rams w/2000#-OK; 1/2 hr drlg cmt,
float collar, shoe; 9-1/4 hr drlg; EDMC \$240; ETMC \$1,280; EDWC
\$6,629; ETWC \$87,767.

<u>BHA</u>			
<u>Description</u>	<u>ID-IN</u>	<u>OD-IN</u>	<u>Length</u>
Bit		7-7/8	1.00'
3 pt BHR	2-1/4	7-13/16	6.48'
IB stab.	2-1/4	7-13/16	4.24'
Short DC	2-1/4	6-1/2	10.67'
IB	2-1/4	7-13/16	3.01'
1 DC	2-1/4	6-1/2	30.34'
IB	2-1/4	7-13/16	3.71'
28 DC	2-1/4	6-1/2	<u>811.14'</u>
TOTAL			870.59'

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10-23-89 (7) PRESENT OPERATION: Working stuck pipe

3235' (435'); 11-1/2 hr drlg; anhy, dolo; 3/4" @ 2982'; bit #3 7-7/8 Hughes J44C H97HD; jets 12/12/12; in @ 2482' (753'); 20-3/4 hr; 40/50,000#; RPM 70; pmp #2 lnr & stroke 5-1/2 x 15; SPM 66; GPM 326; 1400#; AV DP 196; DC 251; MW 9.0; vis 28; pH 10.5; 5-1/2 hr drlg; 1/2 hr totco; 4-3/4 hr drlg; 2 hr trip to put 36 drill pipe rubbers on; 1-1/4 hr drlg; 4 hr made connection, had tight hole, worked to btm, pipe became completely stuck, pulled up to 170,000 total pull; 2 hr break out goose neck of kelly to run free point; 1/2 hr RU free point truck; 3-1/2 hr running free point; EDMC \$400; ETMC \$1,680; EDWC \$7,851; ETWC \$95,618.

10-24-89 (8) PRESENT OPERATION: Jarring on fish

3235' (0'); bit #3 7-7/8 Hughes J44C H97HO; jets 12/12/12; in @ 2482' (753'); 20-3/4 hr; pmp #2 lnr & stroke 5-1/2 x 15; MW 10.0; vis 29; pH 9.5; 5 hr work stuck pipe; worked pipe loose enough to pull 392' out of hole from 3235' to 2843'; work pipe pulling 100,000 over string weight of 110,000 pounds; 3-1/2 hr RU Kuykendall Electric WL Service; run free point; showed all drill pipe free; stuck at top of collars; POOH; TIH w/string shot; backed off leaving 1 jt of DP above collars @ 1954'; 1-1/2 hr TOOH; 4 hr caliper and PU fishing tools; PU 12 6-1/8" drill collars to fish with; GIH w/fishing tools & drill collars; gas cut oil and wtr kicking up thru fishing string; 1 hr PU kelly & circulate off gas using 10.0 ppg brine wtr; 1 hr strap in hole w/fishing tools:

Fishing tool Picture:

Length ft

3.23 screw-in sub 4-1/2 FH box x 4-1/2 XH pin 6 OD x 2-1/4 ID
5.30 bumper sub 4-1/2 FH box x pin 6" OD x 2-1/4 ID
11.44 Houston Engin. jars 4-1/2 FH box x pin 5-3/4 OD x 2 ID
1.49 sub 4-1/2 XH box x 4-1/2 FH pin 6" OD x 2-1/4" ID
340.84 12 6-1/8 DC 4-1/2 XH box x pin 6-1/8" OD 2-7/16 ID
1.57 sub 4-1/2" FH box x 4-1/2 XH pin 6" OD x 2-1/4 ID
9.12 accelerator sub 4-1/2" FH box x pin 5-3/4" OD x 2" ID
1.82 sub 4-1/2 XH box x 4-1/2 FH pin 6" OD x 2-1/4 ID
374.81 TOTAL fishing tools

1/2 hr PU kelly & circ off gas using 10.0 ppg brine wtr; 1 hr fin strapping in hole; 1/2 hr screw into fish; 6 hr began jarring on fish; have moved fish 12' upward; bit was @ 2843'; now it is @ 2831'; EDMC \$0; ETMC \$1,680; EDWC \$4,417; ETWC \$100,035.

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10-25-89 (9) PRESENT OPERATION: LD BHA

3235' (0'); bit #3 7-7/8 Hughes J44C H97HD; jets 12/12/12; in @ 2482' (753'); 20-3/4 hr; pmp #2 lnr & stroke 5-1/2 x 15; SPM 45; GPM 247; 600#; AV DP 145; DC 263; MW 10.0; vis 29; pH 10.5; 2 hr jar on fish; moved fish up hole another 2' to 2829'; had 5' of free rotation from 2829' down to 2834'; 1/2 hr RU to run free point at this depth; 1 hr attempt to rotate and drill out of the hole; tried this procedure with no results; 4-1/2 hr jar on fish; movement upward on fish from 2829' to 2739' (90'); 3/4 hr repair master chain in draw works; 9-1/4 hr work fish from 2739' to 1950' (789'); 3 hr TOH; LD 12 6-1/8" DC & fishing tools; 2 hr finish tripping out of hole w/original fish; LD BHA; all fish recovered intact; EDMC \$0; ETMC \$1,680; EDWC \$9,555; ETWC \$109,590

10-26-89 (10) PRESENT OPERATION: WO Mill

3235' (0'); MW 10; vis 29; 5-1/2 hr TIH w/7-7/8 swage; gas cut oil & wtr kicking up thru DC 4' to 12' high; 1/2 hr swaged from 2016' to 2026'; 1 hr swaging @ 2026'; w/no success; 1-1/2 hr POOH; 1 hr TIH w/DC, bit & float; 5-1/2 hr inspect 28 DC in derrick, BHA, kelly, 12 DC (original fishing string) & 2 jts DP; 1 cracked pin & 1 cracked box included in original fish and 1 cracked box included in original fishing string; (NOTE: no problems with DC's in swage string); 3 hr TIH w/impression block to 2026'; take impression; 1-1/2 hr POOH; 4-1/2 hr WO mill; EDMC \$0; ETMC \$1,680; EDWC \$54,972; ETWC \$164,562

10-27-89 (11) PRESENT OPERATION: POH

3235' (0'); mill #1 pilot mill; pmp #2 lnr & stroke 5-1/2 x 15; SPM 43; GPM 236; 250#; MW 9.3; vis 29; pH 10.5; 15 hr wait on mill; 2-1/2 hr PU pilot mill: 4-1/2" bull-nosed with 28" mandrel, then tapered to 7-7/8"; TIH to 2026'; 3/4 hr rig repair; 5-3/4 hr milled 2026' - 2035' (measured from btm of 7-7/8" cutting surface); mill rate incr'g from 1 to 2 ft/hr at end; 3000-4000# x 74-115 RPM; starting to POH; EDMC \$0; ETMC \$1,680; EDWC \$4,897; ETWC \$169,459.

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10-28-89 (12) PRESENT OPERATION: TIH w/mill #3

3235' (0'); mill #1 pilot mill; mill #2 7-7/8" tapered mill; mill #3 7-7/8" concave mill; pmp #2 lnr & stroke 5-1/2" x 15"; SPM 43; GPM 236; 250#; AV DP 107; DC 156; MW 9.2; vis 29; POH w/mill #1, move jars to 60'; TIH to corrected milling depth of 2045; milled from 2045'-2071' in 3-1/2 hr; PU 60' & lost 9' of hole to 2062'; worked 1 hr, no progress & high torque; POH w/mill #1; mill scarred full length plus 20' up first DC; move jars to 90' & TIH w/mill #2: 7-7/8" tapered; reamed 2036'-2066'/1 hr, then milled 2066'-2076'/5-1/2 hr with intermittent torque and spinning; POH w/mill #2; recovered 20" long strip of 8-5/8" csg tapering from 4" to 2-1/2", wedged in bottom of mill and wrapped around outside, mill was 3/4" out of gauge; TIH w/7-7/8" concave mill; EDMC \$394; ETMC \$2,074; EDWC \$10,201; ETWC \$179,660.

10-29-89 (13) PRESENT OPERATION: Milling on junk, milling depth 2073'

3235' (0'); mill #4 combination dress out pilot mill assembly; pmp #2 lnr & stroke 5-1/2" x 15"; SPM 43; GPM 236; 250#; AV DP 107; DC 156; MW 9.2; vis 29; 1 hr circ gas & oil after trip; 3-3/4 hr milling w/mill #3 (7-7/8" concave); 1-1/4 hr POH; 2 hr WO fishing tools; 1-1/4 hr PU 7" magnet w/mill tooth skirt & TIH; 1/2 hr magnet stopped at 2070'; 1-1/4 hr POH, LD magnet, rec 2 small pieces; 7-1/2 hr WO fishing tools; 1-1/2 hr PU mill #4 (mill #1 redressed) & TIH; 1 hr (time change) milling at 2069'; 4 hr milling 2070' to 2073'; EDMC \$551; ETMC \$2,625; EDWC \$9,659; ETWC \$189,319.

10-30-89 (14) PRESENT OPERATION: Rig standby

3235' (0'); MW 9.2; vis 29; pH 10.0; 2 hr TOH w/mill run #4 (combination dress out pilot mill assembly); recovered 4 small pieces of casing collar and two small pieces of casing that had jammed up inside bottom of mill; 3 hr LD fishing tools and WO orders; 19 hr cease fishing operations and place Cactus Rig No. 53 on standby @ 11:00 AM 10-29-89; well left in this condition: blind rams have been closed - well open through choke manifold to the reserve pit; EDMC \$0; ETMC \$2,625; EDWC \$9,566; ETWC \$198,885.