

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. NM 22592	
2. NAME OF OPERATOR UNION PACIFIC RESOURCES COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA	
3. ADDRESS OF OPERATOR Post Office Box 1317, Wilmington, California 90748-1317		7. UNIT AGREEMENT NAME NA	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface NWSE (1980' FSL and 1980' FEL)		8. FARM OR LEASE NAME Federal 33-29	
14. PERMIT NO. Approved 08/15/84		9. WELL NO. #1	
15. ELEVATIONS (Show whether DF, ST, CR, etc.) 6488' GR, 6498' KB		10. FIELD AND POOL, OR WILDCAT Bisti-Gallup	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 29-T25N-R11W	
		12. COUNTY OR PARISH San Juan	
		13. STATE New Mexico	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

PULL OR ALTER CASING ☐

FRACURE TREAT ☐

MULTIPLE COMPLETE ☐

SHOOT OR ACIDIZE ☐

ABANDON\* ☐

REPAIR WELL ☐

CHANGE PLANS ☐

(Other) To Vent/Flare Gas (NTL-4A) ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

REPAIRING WELL ☐

FRACURE TREATMENT ☐

ALTERING CASING ☐

SHOOTING OR ACIDIZING ☐

ABANDONMENT\* ☐

(Other) ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Union Pacific Resources Company requests approval to vent/flare associated oil well gas from the subject Lease pursuant to NTL-4A, Section IV-B "Venting and Flaring Oil Well Gas."

Based on the latest production test on July 31, 1987, the subject well is producing an average of 13 BOPD, 1 BWPD and 24 MCFD. Approximately 6 MCFD is used on the Lease for fuel, releasing 18 MCFD to flare.

Enclosed as attachments "A", "B" and "C" are engineering evaluation and economic data to demonstrate that expenditures necessary to market or beneficially use such gas are uneconomical and that required conservation of the gas could result in premature abandonment of recoverable oil reserves.

THIS APPROVAL EXPIRES **NOV 03 1988**

**RECEIVED**  
NOV 04 1987  
OIL CON. DIV.  
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED R. E. Wood TITLE Petroleum Engineer DATE September 29, 1987

(This space for Federal or State office use)

APPROVED BY AS AMENDED TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

NOV 03 1987

\*See Instructions on Reverse Side

Original Signed: STEPHEN MASON

NMOCC

AREA MANAGER

ATTACHMENT A

BACKGROUND

Production at the #1 Federal 33-29 occurs in the Lower Gallup Sand. The well experienced a casing failure in 1985 and was off production for approximately four months. A scab liner was installed and the well was returned to production. Decline curve analysis was used to estimate reserves.

Recent test data and other pertinent well information are shown below:

	<u>#1 Federal 33-29</u>
Production Period	24 Hours
Test Date	07/31/87
Oil Rate	13 BOPD
Gas Rate	24 MCFD
GOR	1800 SCF/Bbl.
Drilling and Completion Cost	\$556 M
Estimated Remaining Oil Reserves	17.7 MBO
Estimated Remaining Gas Reserves	31.9 MMCF
Union Pacific Resources W.I.	.50
Union Pacific Resources R.I.	.4125

  
\_\_\_\_\_  
R. E. Wood

REW/jw

UNION PACIFIC RESOURCES COMPANY  
#1 FEDERAL 33-29  
SAN JUAN COUNTY, NEW MEXICO

It is determined that there is no current economically feasible alternative to venting the gas at the #1 Federal 33-29. A brief discussion of the alternatives and economics of each is presented as follows:

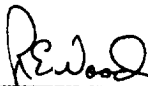
1. Gas Sales Via Pipeline:

Union Pacific Resources has contacted the nearest gas purchasers, El Paso Naatural Gas and Northwest Pipeline, to look at the feasibility of a gas connection. They indicate the #1 Federal 33-29 does not have a sufficient reserve base to justify the construction expense of approximately 3-4 miles of pipeline to connect to the nearest system.

2. Installation of a Small Gas Plant to Strip Liquids:

This type of Plant would cost + \$300,000. Reserves from the #1 Federal 33-29 are insufficient to cover initial costs and increased operating expenses could affect premature abandonment. In addition, there would still be measurable gas to vent.

In conclusion, there is no reasonable alternative to venting our produced gas at the present time. Union Pacific Resources will, however, continue to investigate alternatives as they arise.

  
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R. E. Wood

REW/jw

# Cenref Labs

Century Refining Company

## GAS ANALYSIS

ANALYSIS NO.: C85NG1241 II PA-60      DATE RECEIVED: MAY 2, 1985  
 COMPANY: CHAMPLIN PETROLEUM      DATE RUN: MAY 8, 1985  
 CYLINDER NO.: SS-78 8      DATE SAMPLED: APRIL 30, 1985  
 DESCRIPTION:  
 WELL NAME: #1 FEDERAL 33-29 BISTI FIELD      LOCATION: SEC. 29-25N-11W  
 COUNTY: SAN JUAN      STATE: NM      SAMPLED FROM: SEPARATOR OUTLET  
 PERF. FROM:      TO:      ZONE:      MS#:  
 FIELD DETERMINATIONS: SAMPLE PRESS (PSIG): 55      SPEC. GRAVITY: .944  
    AMBIENT TEMP (F):      SAMPLE TEMP (F): 130  
 REQUESTED BY: G. WILDER      SAMPLED BY:

## CHROMATOGRAPH METHOD

COMPONENT	MOL%	G.P.M.*
HELIUM	0.03	
HYDROGEN	0.00	
OXYGEN/ARGON	0.04	
CARBON DIOXIDE	0.38	
NITROGEN	1.56	
METHANE	58.87	
ETHANE	16.73	4.450
PROPANE	14.72	4.034
I-BUTANE	1.57	0.510
N-BUTANE	4.11	1.288
I-PENTANE	0.77	0.279
N-PENTANE	0.72	0.259
HEXANES-PLUS	0.50	0.215
TOTAL	100.00	11.035

\* CALCULATED VALUE BASED ON IDEAL  
 GAS VALUES FROM LATEST G.P.A.  
 PUB. 2145 @ 60F AND 14.65 PSIA.

\*\* CALCULATED VALUE USING METHOD  
 FROM G.P.A. PUB. 2172 AND LATEST  
 GAS VALUES FROM 2145.

** GROSS HEATING VALUE PER CU.FT.@ 60F & 30 IN.HG SAT.	1516.2	BTU
** GROSS HEATING VALUE PER CU.FT.@ 60F & 30 IN.HG DRY	1543.0	BTU
** NET HEATING VALUE PER CU.FT.@ 60F & 30 IN.HG SAT.	1382.7	BTU
** NET HEATING VALUE PER CU.FT.@ 60F & 30 IN.HG DRY	1407.1	BTU
** SPECIFIC GRAVITY (AIR = 1.00)	0.9165	

REMARKS: O.N. 40096

ACCOUNT NUMBER:  
 INVOICE: Champlin Petroleum Company

ChPCo-Englewood(GWilder)  
 CRC

*John C. Buehler* ANALYST  
 ADDRESS INQUIRIES TO LABORATORY MANAGER



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Caller Service 4104  
Farmington, New Mexico 87499

IN REPLY REFER TO:  
NM-22952 (WC)  
3162.7-3 (016)

SEP 17 1987

CERTIFIED--RETURN RECEIPT REQUESTED  
P-684-162-797

Champlin Petroleum Company  
420 Henry Ford Avenue  
Wilmington, CA 90744

Gentlemen:

Reference is made to your well No. 1 Federal 33-29, NW/4SE/4 sec. 29, T. 25 N., R. 11 W., San Juan County, New Mexico, lease No. NM-22592. Your approval to vent gas from this well expired April 15, 1987. We do not find any approval having been granted to continue this venting although you have been doing so. Within 30 days from receipt of this letter you are required to submit application for approval to vent gas with your justification to continue to do so pursuant to NTL-4A.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to an administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

Sincerely,

Ron Fellows  
FOR Area Manager