

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

SF-079968
0000700000

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Russel Federal No. 2

9. API Well No.

3004508953

10. Field and Pool, or Exploratory Area

Pictured Cliff

11. County or Parish, State

San Juan, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Conoco, Inc.

3. Address and Telephone No.

10 Desta Dr. Ste 100W, Midland, TX 79705

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1688' FWL & 500' FSL

Sec. 33 T-30-N, R-14-W

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☒ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

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

13. 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.)

It is proposed to plug and abandon the Russell Federal No. 2 as follows:

1. Confirm tbg depth & PBTD.
2. Set plug @ 995' to surf w/208 sx Class 'B' cmt to fill 5-1/2" csg. Circ cmt to surf.
3. Dig out bradenhead valve & attempt to pump into.
4. Fill 10 3/4" X 5 1/2" annulus with 139' sx and 7 7/8" X 5-1/2" annulus from 204' to 508' with 89' sx Class B cmt. Total cmt 228' sx.
5. ND cmt head, verify cmt at surf. Fill csg annulus as necessary.
6. Cut off wellhead below ground level & install marker.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

RECEIVED
BLM
92 OCT -1 AM 11:37
019 FARMINGTON, N.M.

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

Signed [Signature]

Title Sr. Conservation Coordinator

Date 09-29-92

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

NMOCD

APPROVED

OCT 05 1992

AREA MANAGER

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

September 25, 1992

Russell Federal #2 (PC)
SW, Sec. 33, T30N, R14W
San Juan County, New Mexico

PLUG AND ABANDONMENT PROCEDURE:

1. Rig up wireline unit and determine/confirm tubing depth and PBTD.
2. Move on cementing equipment; blow well down; kill with water if necessary. ND wellhead and install cementing head.
3. Plug #1 from 995' to surface with 208 sxs Class B cement to fill 5-1/2" casing (100% excess); circulate cement to surface; shut in well. WOC.
4. Dig out bradenhead valve and attempt to pump into. Plug #2 fill 10-3/4" X 5-1/2" annulus with 139 sxs and 7-7/8" x 5-1/2" annulus from 204' to 508' with 89 sxs Class B cement (100% excess); total cement 228 sxs. Shut in and WOC.
5. ND cementing head; verify cement at surface (visual or wireline tag); fill casing annulus as necessary.
6. Cut off wellhead below ground level and install dry hole marker.
7. Restore location to BLM stipulations.

Note: Cement top in 7-7/8" X 5-1/2" annulus unknown;
Calculated cement top with a 75% efficiency is 508'; which
is above the Fruitland. Kirtland is the surface formation.

RUSSELL 2 WK1

WELL: RUSSELL FEDERAL #2
LOCATION: 1688' FWL & 500' FSL
API NUMBER:
DEARICK FLR : 5443
GROUND LEVEL:
FIELD: Twin Mounds - PC
SECTION: 33
COUNTY: SAN JUAN
TOWNSHIP: 30 NORTH
STATE: NEW MEXICO
RANGE: 14 WEST
SPUD DATE: 5/22/54
COMPL. DATE: 6/7/54
PBD: 1070
TD: 3512

CASING RECORD

SIZE (INCHES)	GRADE	WEIGHT (W/FT.)	DEPTH (FEET)	CEMENT (SACKS)	TOC (FEET)	HOLE SIZE (INCHES)
10-3/4" O.D.	H-40	32.75	204	200	SURFACE	12-1/4
5-1/2" O.D.		14.00	1070	260	330	8-3/4

LOGGING INFORMATION

DATE	TYPE	DEPTH (FEET)
5/25/54	SP. RESIS	204-927
6/7/54	SP. RESIS	927-3512

PERFORATION RECORD

DATE	FORMATION	SHOT	DENSITY	DEPTHS (FEET)
2/12/91	PICTURED CLIFF	4 JETS/FT		921-39'
		2 BULLETS		921-39'

DST INFORMATION - NONE

DATE	FORMATION	SHOT	DENSITY	DEPTHS (FEET) AND RESULTS

CORE INFORMATION - NONE

DATE	FORMATION	DEPTHS (FEET) AND RESULTS

MISCELLANEOUS

Wellhead is directly underneath 115,000 volt power line operated by the City of Farmington.
Estimated distance from power line to wellhead - 30 feet. Rig up on well not possible unless power line shutdown and removed.

DATE SIGNIFICANT PULLING AND WORKOVER HISTORY, STIMULATION, AND SQUEEZE WORK

6/7/54 Completed drilling, setting out plugs, and setting 5-1/2" production casing with 100 als.
Recommended production casing with 150 als w/ good circulation. TOC at 330 by Temp Survey.

7/54 No completion details other than perforations from 921-39' with 4 cones and 2 bullets per foot.
Initial potential test 1739 MCFPD. Shut-in pressure 307 psig.

FORMATION TOPS		
FORMATION	MEASURED DEPTH (FEET)	SURSEA DEPTH (FEET)
OJO	OUTCROP?	
ALAMO		
CURTLAND SHALE		
FRUITLAND COAL	812'	
PICTURED CLIFFS	920'	
CHACKA		
CLIFF HOUSE - MV	2438'	
MENEFEE - MV	2568'	
POINT LOOKOUT - M	3375'	
GALLUP		
GREENHORN		
GRANEROS		
DAKOTA		
MORRISON		

WELL COMPLETION SKETCHES

WELL RUSSELL FEDERAL #2 FIELD TWIN MOUNDS PC DATE 9/4/92

☒ PRESENT COMPLETION

☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

ELEVATION 5443'

SURFACE CASING - 10 3/4"
D.D. 33# H40 SET AT 204'
W/ 200 SKS CMT (12 1/4" HOLE)

TOC (TEMP SURVEY) - 330'

PRODUCTION CASING - 5 1/2"
D.D. 14# SET AT 1070' W/
110 SKS CMT. RECEMENTED
W/ 150 SKS W/ GOOD RETURNS
(8 3/4" HOLE)

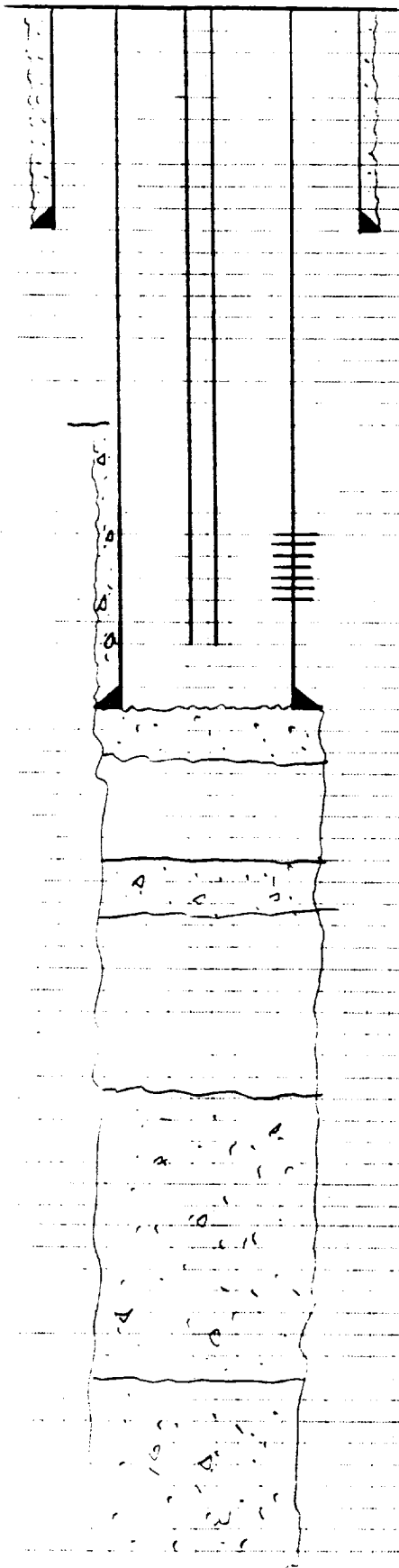
CEMENT PLUGS:

2400 - 2500'

3050 - 3320'

3300 - 3512'

TD 3512'



DATA ON THIS COMPLETION

LOCATION: 500' FSL &
1688' FWL, SECTION 33-
T3DN - R14W
est. T/OJO ALAMO @ N/A
NOTE: THIS WELL DIRECTLY
UNDER 230,000 VOLT POWER
LINE. ESTIMATED HEIGHT 35'
ABOVE WELLHEAD.
T/Fruitland Coal @ 812
TUBING STRING - 1" (?)
SET AT 995'
T/Pictured Cliffs @ 920'
PC PERFS: 921 - 39'

WELL COMPLETION SKETCHES

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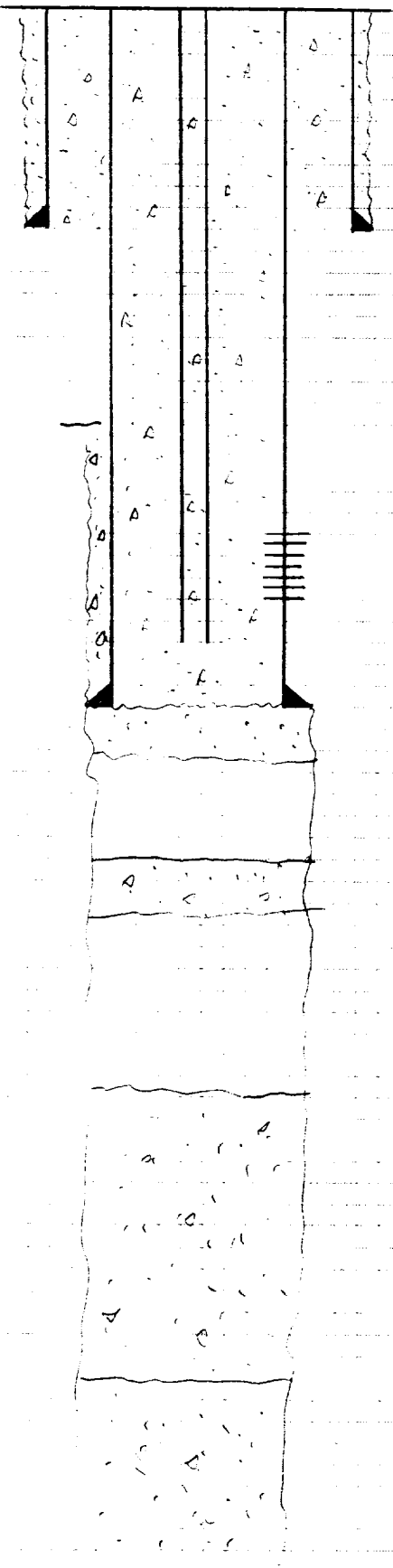
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LINE. ESTIMATED HEIGHT 35'
ABOVE WELLHEAD.

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PC PERFS: 921 - 39'

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY **SAN JUAN**
 FIELD or LOCATION **WILDCAT**
 WELL **RUSSELL-FEDERAL #2**
 COMPANY **PUBCO DEVELOPMENT COMPANY**

COMPANY **PUBCO DEVELOPMENT COMPANY**
 WELL **RUSSELL-FEDERAL #2**
 FIELD **WILDCAT**
 LOCATION **SEC. 33-30N-14W**
 COUNTY **SAN JUAN**
 STATE **NEW MEXICO**

Location of Well
500° FR S/L
688° FR W/L
SEC. 33-30N-14W

ES

Elevation: D.F.: **5452'**
 K.B.: **5443'**
 or G.L.: **5443'**

FILING No.

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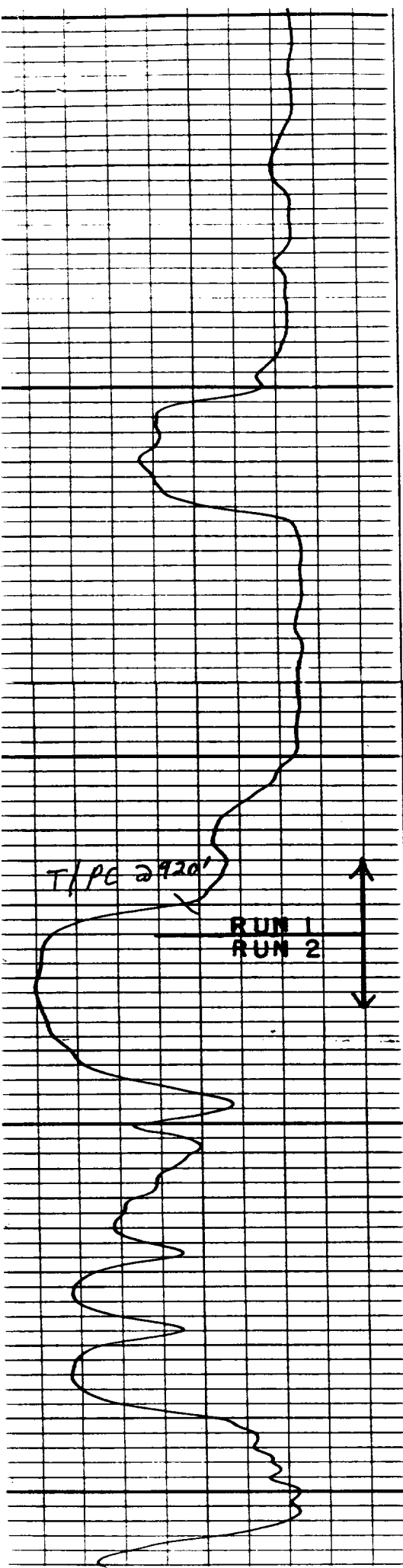
DO NOT REMOVE FROM WELL FILE

RUN No.	ONE	TWO
Date	5-25-54	6-7-54
First Reading	927	3512
Last Reading	204	927
Feet Measured	723	2585
Csg. Schlum.	204	204
Csg. Driller	204	204
Depth Reached	928	3513
Bottom Driller	925	3512
Depth Datum	RDB	KB
Mud Nat.	GEL-QUEB-CAUS	
" Density	9.4	9.5
" Viscosity	84	50
" Resist.	2.00	3.00
" Res. BHT	1.40	1.70
" pH	@	@
" Wtr. Loss	CC 30 min.	CC 30 min.
Max. Temp. °F	90	110
Bit Size	8 3/4"	8 3/4"
Spcgs.—AM	16"	16"
A M	64"	64"
AO	18 8"	18 8"

KS RUN ONE MUD FROM FLOW LINE
RUN TWO MUD FROM FLOW LINE

INSTANTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY -ohms. m ² /m	RESISTIVITY -ohms. m ² /m
	2"	NORMAL	LONG NORMAL
	100"	100 0	100
		1000 0	1000
		LATERAL	
		100	
		1000	
	CSG.		
	204		

10
+
1



000

0060

921
739

1000

