

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Budget Bureau No. 1004-0-1  
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 ☐ GAS WELL ☒ OTHER ☐  
2. NAME OF OPERATOR  
Richmond Petroleum Inc.  
3. ADDRESS OF OPERATOR  
2651 N. Harwood, Suite 360, Dallas, Tx. 75201  
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
840' FNL and 840' FEL (NENE)

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6,782 GR

5. LEASE DESIGNATION AND SERIAL  
NM 6894  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
Federal 32-8-26  
9. WELL NO.  
1  
10. FIELD AND POOL OR WILDCAT  
Basin Fruitland Coal Gas  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 26, T32N, R8W  
12. COUNTY OR PARISH 13. STATE  
San Juan NM

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 ☐  
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐  
SHOOT OR ACIDIZE ☐ ABANDON\* ☐  
REPAIR WELL ☐ CHANGE PLANS ☐  
(Other) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐  
FRACTURE TREATMENT ☐ ALTERING CASING ☐  
SHOOTING OR ACIDIZING ☐ ABANDONMENT\* ☐  
(Other) Completion ☒  
(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.)\*

Completion history attached.

CONFIDENTIAL

RECEIVED  
OCT 30 1989  
OIL CON. DIV  
DIST. 3

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

SIGNED

Steven S. Dunn

TITLE Engineer

DATE 10/4/89

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

# CONFIDENTIAL

## FEDERAL 32-8-26 No. 1

August 30, 1989 - Day No. 6

TD: 3,120' K.B.

Current Operation: Picking up drill pipe. Wilson Service Co. ran temperature survey - TOC - 1,000' KB. Nipple up BOP's, blooey line manifold and drilling head. Test BOP's to 2,500 psi. Nipple up choke manifold. Pick up drill collars and 3-1/2" drill pipe.

Rig time: Run temperature survey - 1:00

Put on tubing hangers - 1:30

Rig up BOP and blooey lines,

rig up to complete - 12:15

Pressure test BOP w/ Quadco - 4:45

Pick up drill pipe and drill collars - 4:30

August 31, 1989 - Day No. 6

TD: 3,496' K.B.

Current Operation: Drilling. Wt. on bit: 15,000, RPM: 40, Pump pressure 500 psi, SPM: 30, Mud vis: H<sub>2</sub>O and air. Pick up 3-1/2" drill pipe. Tag cement @ 3,120'. Drill out cement, float collar @ 3,138', and shoe @ 3,178' with fresh water. Drill out from under casing to 3,210'. Rig up 7" blooey lines. Rig up air compressors. Continue drilling with fresh water and air mixture. First drilling break @ 3,248' - continue drilling. (AMM)

Mudlogger report: 3,245' - 50' Shaly coal, no detectable gas  
3,345' - 48' Shaly coal, no detectable gas  
3,470' - 3,500' Clean coal - good gas show  
3,550' - 55' Clean coal - gas increase over background

Rig time: Pick up drill pipe - 1:00

Drill cement and cement shoe - 4:15

Rig up blooey lines - 3:15

Rig up with air - 1:00

Drilling - 14:30

September 1, 1989 - Day No. 7

TD: 3,600' K.B.

Current Operation: Gauge well. Drilled 104 feet in the last 24 hours.

Rig time: Drilling - 3:15

Circulating - 2:00

Take off flow line - Blanket off - :30

Blow well - 10:00

TOH - :45

TIH - :15

Pressure up on well, test to 1,050 psi. - :45

Gauge well - 5:00

Wash to bottom - 150' fill - 1:30

September 2, 1989 - Day No. 8

TD: 3,600' K.B.

Current Operation: Blow well. Surging coal intervals @ 3,470' - 3,500'. Pumping 15 Bbls H<sub>2</sub>O every 25 min. Continue air @ rate of

**FEDERAL 32-8-26 No. 1 - cont.**

1600 cu. ft/min. Returns were 85% coal, 15% shale. (AMM)  
Rig time: Shut well in - building pressure to 100 psi - 1:00  
TIH - :30  
Blow well with air - 22:30

**September 3, 1989**

TD: 3,600' K.B.  
Current Operation: Continue surging coal intervals @ 3,470' - 3,500'. Clean out to 3,530'. Well producing more coal and water than air compressor could handle. Pulled back to 3,470'. Work pipe until additional air compressors arrive. Well increased water rate to 54 Bbls/hr for 2-1/2 hour interval. Stabilized @ 14 Bbls/hr. Pulled back to 7" casing and test well. Flow test through 3/4" choke. 15 min. - 20 psi, 30 min. - 19 psi and stayed @ 19 psi for the remainder of the hour. One hour shut-in pressure - 300 psi. Open well, blew on its own. Rig up additional air compressors. RIH, tagged fill @ 3,485'. Cleaned out with air to 3,500'. Air rate - 3,200 cfm. (AMM)  
Rig time: Blow well - 16:00  
Rig up two additional air compressors - 2:30  
Trip out into casing - :30  
Trip to bottom - :15  
Test well shut-in pressure at 300 psi - 4:15  
Gauge well - :30

**September 4, 1989**

TD: 3,600' K.B.  
Current Operation: Work tight hole.  
Blow well through interval of 3,470' - 3,500'. Pull into 7" casing and test well. Flow through 3/4" choke. 15 min - 32 psi, 30 min - 30 psi. Stayed @ 30 psi for remainder of the hour test. One hour shut-in - 425 psi. Bled well off. RIH to 3,470' - 3,500'. Blow well. Water rate: 24 Bbls/hr. Slowed to 14 Bbl/hr. Cleaned out fill to 3,530'. Blew well one hour. Pulled into 7" casing and test well. flow test 3/4" choke. 15 min. - 30 psi. 30 min. - 35 psi. Stayed @ 35 psi for remainder of the hour. One hour shut-in - 450 psi. Bled well off. RIH, tagged fill @ 3,500'. Cleaned out to 3,530'.  
Rig time: Blow well with air - 9:30  
Gauge well - 3:30  
Total trip time - 5:45  
LD 120' pipe and blow well - 1:00  
Work tight hole - 3,240' ft - 4:15

**September 5, 1989**

TD: 3,600' K.B.  
Current Operation: Working pipe to bottom.  
Clean out to 3,600'. Hole became tight. Pulled to 3,470'. Blew well with air @ 3,200 MCF for 1-1/2 hours. Hole started getting tight. Pulled one joint and pipe became stuck. Worked pipe and

# CONFIDENTIAL

## FEDERAL 32-8-26 No. 1

rigged up Homco Wireline. Backed off @ 3,155'. POH. Picked up fishing tools. RIH and screwed on to fish. Worked bumper sub and worked pipe free. Broke circulation with water. Pulled into 7" casing and circulated hole clean. POH w/ fishing tools. RIH, tagged fill @ 3,400'. Could not circulate. Pulled into 7" casing and broke circulation. Washed down to approximately 3,475'.

Rig time: Work stuck pipe - 9:00  
Rig up Homco, run free point - 2:00  
TIH, back off - :30  
TOH w/ Drill pipe and 4 collars - 1:15  
Hook up jars and TIH - 3:15  
Drive fish free - :30  
Pull one stand and circulate - 1:45  
TOH for fish - 1:30  
Lay 4 collars and fishing tool down - :45  
TIH - 1:15  
Working pipe to bottom - 12 jts off bottom - 2:15

## September 6, 1989 - Day No. 9

TD: 3,600' K.B.

Current Operation: Wash pipe to bottom. Bit # 5 - 6-1/4" Ser. 8335. Mud vis: 43, Mud wt.: 8.9.

Rig time: Work pipe to bottom - 5:30  
Pull bit into intermediate casing - :30  
WO mud - 2:00  
Mud up - 3:45  
TFB #5 - 1:45  
TIH, circulate, trip gas - 1:30  
Wash to bottom - 9:00

## September 7, 1989 - Day No. 13

TD: 3,600' K.B.

Current Operation: TIH w/ 5-1/2" liner with D.P.

Rig time: Wash pipe from 3,279' to 3,600' - 9:00  
Circulate - 5:00  
Short trip, wash to bottom - 4:30  
Strap out of hole - change rams - 2:30  
Rig up San Juan, run 12 jts 5-1/2" csg. - 2:00  
Pick up liner, rig down San Juan, TIH - 1:15

## September 8, 1989 - Day No. 14

TD: 3,600' K.B.

Current Operation: Rigging down.

Wash 5-1/2" liner to TD @ 3,600'. Set liner. Circulate hole clean with fresh water. Pack off liner. Pull out of hole laying down DP. Drop ball (to seal off flats). Pressure test casing. Lay down drill collars. Rig down surface equipment.

Rig time: Pick up liner and TIH - :45  
Tag bridge @ 3,279' and wash to bottom - 4:15

FEDERAL 32-8-26 No. 1

Back off liner. Circulate H<sub>2</sub>O clear - 1:30  
LDDP - 2:00  
Pressure test casing - :30  
Trip DC in hole - 1:00  
LDDC - 1:00  
Rig down - 13:00

<u>ITEM</u>	<u>LENGTH</u>	<u>DEPTH SET</u>
Float shoe w/ sawtooth collar	1.80	3597'
12 jts. 5-1/2" 23# N-80 w/ TDC	507.81	
Brown CMS hanger packer w/ packoff	8.12	3081.27'
Top of liner		3081.27'
Shoe and sawtooth collar		3597'

September 9, 1989 - Day No. 15

TD: 3,600' K.B.  
Current Operation: Idle  
Rig time: Nipple down completion equipment - 2:00  
Rigging down - 8:00  
Rig idle - 14:00  
Rig released @ 8:00 a.m. (Fri)

September 12, 1989

TD: 3,600' K.B.  
Current Operation: Shut-in, preparing to log and perforate 5-1/2" liner. (SSD)

September 13, 1989

TD: 3,600' K.B.  
Current Operation: W.S.I. delivered and installed 6" x 5,000 psi frac valve. Rigged up Schlumberger and ran Compensated Neutron Gamma Ray log from 3,590' K.B. PBTD up to 3,090' K.B. Liner top logged @ 3,096' K.B. and perforated as follows per cased hole log: All - 4 shots/ft. 3,551' - 61' K.B., 3,470' - 3,500' K.B., 3,397' - 3,407' K.B., 3,366' - 76' K.B., 3,344' - 54' K.B., 3,240' - 65' K.B. Well flowing a little. SWI. (CCM)

September 14, 1989

TD: 3,700' K.B.  
Current Operation: Shut-in. Waiting on surface equipment. Tubing pressure: 900 psi. Casing pressure: 675 psi. (AMM)

September 15, 1989

TD: 3,600' K.B.  
Current Operation: Set anchors. Move Big A on location. Rig up unit. Nipple down 6" frac valve, nipple up BOP, rig up floor, tally and pickup 104 jts 2-7/8" EUE. Land tubing at top perf. Nipple down BOP, Nipple up wellhead, rig up to swab and rig up flow line. Well surging. Leave well open to pit. SDON.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

~~CONFIDENTIAL~~  
SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

Richmond Petroleum Inc.

3. ADDRESS OF OPERATOR

2651 N. Harwood, Suite 360, Dallas, Tx 75201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

840' FNL and 840' FEL (NENE)

At top prod. interval reported below

same

At total depth

same

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

13. STATE

San Juan

NM

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD

8/25/89

9/ 1/89

9/20/89

6,782' GR

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY\* 23. INTERVALS 24. ROTARY TOOLS 25. CABLE TOOLS

3,600'

3,279'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

Fruitland 3,240' - 3,680'

OCT 30 1989

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Compensated Neutron Gamma Ray log

OIL CON. DIV.

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well) DIST. 3

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#/ft	285' KB	12-1/4"	150 sx (309 cu. ft.) Class B	
7"	23#/ft	3,138.94 KB	8-3/4"	210 sx (432.60 cu. ft) Class B w/ 2% thrifty men & 1/4# /sk cello flakes uncemented	
5-1/2"	23#/ft	3,600' KB	6-1/4"		

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	3,245' KB	

31. PERFORATION RECORD (Interval, size and number)

3,551' - 61' KB, 4 SPF  
3,470' - 3,500' KB, 4 SPF  
3,397' - 3,407' KB, 4 SPF  
3,366' - 76' KB, 4 SPF  
3,344' - 54' KB, 4 SPF  
3,240' - 65' KB, 4 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

33. Test data to be provided within 90 days after production starts.	-size and type of pump)		WELL STATUS (Producing or shut-in)	
			Shut-in	
	WBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

To be sold.

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Steven S. Dunn

TITLE

Engineer

DATE 10/3/89

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Fruitland	3,240'	3,680'	Gas, water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2,870' GL	
Kirtland Shale	3,030' GL	
Fruitland	3,240' GL	
Pictured Cliffs	3,680' GL	

~~CONFIDENTIAL~~

RICHMOND PETROLEUM INC.

FEDERAL 32-8-26 No. 1  
840' FNL & 840' FEL  
Sec. 26, ~~T2N~~, R8W  
San Juan County, NM

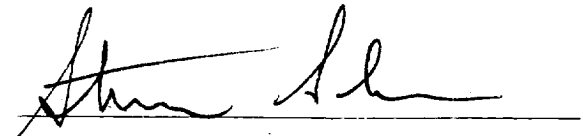
SLOPE TESTS

<u>Depth</u>	<u>Hole Deviation</u>
285'	1/2°
772'	1/4°
1270'	3/4°
1770'	3/4°
2425'	3/4°
2922'	3/4°
3200'	1-3/4°

**RECEIVED**  
APR 8 1990  
OIL CON. DIV  
DIST. 3

State of New Mexico    )  
                                  ) ss  
County of San Juan     )

I, Steven S. Dunn, being first duly sworn, depose and state that the above and foregoing depth and hole deviation figures are true and correct to the best of my information and belief.



Subscribed and sworn before me this 17th day of April, 1990.

  
Notary Public

My Commission Expires 3-16-93