

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

* Only 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. WELL TYPE OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	5. LEASE DESIGNATION AND SERIAL NO. NM-18328
2. NAME OF OPERATOR RICHMOND PETROLEUM INC.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 2651 N. Harwood, Suite 360, Dallas, Tx 75201	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 800' FSL and 790' FWL (SWSW)	8. FARM OR LEASE NAME Federal 29-4-32
14. PERMIT NO.	9. WELL NO. 2
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 7,482' ungraded ground	10. FIELD AND POOL, OR WILDCAT Basin Fruitland Coal Gas
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 32, T29N, R4W
	12. COUNTY OR PARISH Rio Arriba
	13. STATE N.M.

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE LEASE <input type="checkbox"/>	Other: <u>Completion</u> <input checked="" type="checkbox"/>	

(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.

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RECEIVED

FEB 20 1990

OIL CON. DIV.
DIST. 3

18. I, the undersigned, certify that the foregoing is true and correct.

SIGNATURE Steven S. Dunn TITLE Engineer

DATE 10/31/89

(This space is for Federal or State office use.)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

*See Instructions on Reverse Side

INMOCD

Title of U.S.C. Section 101 makes it a crime for any person knowingly and willfully to make any statement or representation as to any matter within its jurisdiction.

ACCEPTED FOR RECORD

FEB 06 1990

FARMINGTON RESOURCE AREA

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FEDERAL 29-4-32 No. 2

September 11, 1989 - Day 2

TD: 1,160' K.B.

Current Operation: Drilling

Drilled 900 ft. in the last 24 hours. WT. on bit: 40,000, RPM: 80, SPM: 56, Pump pressure: 1,200 psi, SPM: 56, Mud vis: 32, M.L.: 80. Bit #2 - 7-7/8".

<u>ITEM</u>	<u>LENGTH</u>	<u>DEPTH SET</u>
8-5/8" Casing - 24# J55	239.93 ft.	252.93 K.B.

Surveys: 1/2° @ 860'.

Rig time: Run 8-5/8" surface casing, cement w/ BJ,
plug down @ 7:15 a.m. 9/10/89 - 1:15
WOC, nipple up, pressure test blind and pipe
rams to 600 psi - okay - 11:00
TIH. Drill 30' cement, tag cement @ 230'. - 1:00
Drilling - 10:30
Survey - :30

Arapahoe Rig #7

September 12, 1989 - Day No. 3

TD: 2,380' K.B.

Current Operation: Drilling

Drilled 1,220' in the last 24 hours. WT. on bit: 40,000, RPM: 80, Pump pressure: 1,200 psi, SPM: 56, Mud vis: 32, Mud Wt. 8.8, W.L. 8.2.

Surveys: 1-1/2° @ 1,360'; 3/4° @ 1,860'

Rig time: Rig service, check BOP - :15

Survey - :30

Drilling - 23:15

September 13, 1989 - Day No. 4

TD: 3,060' K.B.

Current Operation: Drilling

Drilled 680 feet in the last 24 hours. Wt. on bit: 40,000, RPM: 80, Pump pressure: 1,200 psi, SPM: 56, Mud Vis: 31, Mud Wt. 8.7, W.L.: 10. Bit #3 - 7-7/8".

Surveys: 1-1/4° @ 2,420 ft.; 1° @ 2,650 ft.

Rig time: Rig service and check BOP - :15

Surveys - :30

Trip for Bit #3 - 3:15

Wash to bottom - :30

Drilling - 19:30

September 14, 1989 - Day No. 5

TD: 3,710' K.B.

Current Operation: Drilling

Drilled 650 feet in the last 24 hours. Wt. on bit: 40,000, RPM: 80, Pump pressure: 1,200 psi, SPM: 56, Mud vis.: 36, Mud Wt.: 90, W.L.: 12

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FEDERAL 29-4-32 NO. 2

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Surveys: 1-1/4° @ 3,160'; 1-1/4° @ 3,660'
Rig time: Rig service and check BOP - :15
Survey - :30
Drilling - 22:30
Pull 2 stands drill pipe, clean out swivel packing - :45

Arapahoe Rig #7

September 15, 1989 - Day No. 6

TD: 4,210' K.B.
Current Operation: Drilling
Drilled 500 feet in the last 24 hours. Wt. on bit: 40,000, RPM: 80, Pump pressure: 1,200 psi, SPM: 56, Mud vis: 33, Mud wt.: 9.1, W.L.: 10. Bit #4 - 7-7/8".
Surveys: 1° @ 3,991'
Rig time: Rig service and check BOP - :15
Survey - :15
Trip for bit #4 - 3:15
Drilling - 20:15

Arapahoe Rig #7

September 16, 1989 - Day No. 7

TD: 4,466' K.B.
Current Operation: Rig down.
Drilled 256 feet in the last 24 hours. Wt. on bit: 40,000, RPM: 80, pump pressure: 1,200 psi, SPM: 56, Mud Vis.: 46, Mud wt.: 9.2, W.L.: 8.4.
Survey: 1-1/2° @ 4,466'
Rig time: Rig service -:15
Drilling - 9:15
Circulation and lay down drill pipe - 2:00
Lay down drill pipe and drill collars - 3:30
Rig up San Juan casing, change rams - :45
Run 5-1/2" casing - 1:45
Rig up B.J., circulate with bridge pump - 1:45
Cement, plug down @ 3:10, 9/16/89
Nipple down, set slips, cut off casing and jet pits - 3:15

Run casing and cement as follows: Ran 110 jts. 5.5" 15.50#/ft casing - 4522.67' threads off. Total casing delivered - 114 jts - 4,645.89'. Casing description: 5.5" 15.5#/ft Grade K, 8 rd. L.T.&C. Cement casing as follows: Pumped 20 Bbls of water ahead of 550 sx Class "B" cement containing 2% sodium metasilicate and 1/4#/sx cello flake. Yield - 2.06 cf/sx. Density - 12.48#/gal. Tail in w/ 200 sx class "B" with 2% Cacl and 1/4#/sx cello flake. Yield - 1.18 cf/sx. Density - 15.6#/gal. Shut down and washed pump and lines. Dropped plug and displaced with 101.5 Bbls 2% kcl water. Bumped plug. Pressure: 1,500 psi. Bled pressure off. Float held good. No cement to surface. Circulation decreased toward end of job. Called for temperature survey. Set casing in

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4259.84 K.B.

FEDERAL 29-4-32 No. 2 - cont.

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slips. Cut off 5.5" casing. Plug down @ 3:10 a.m., September 16, 1989. Temperature Survey found TOC - 600', TD - 4,425'. (AMM)

<u>ITEM</u>	<u>LENGTH</u>	<u>DEPTH SET</u>
Cement now guide shoe	.80'	4,481.47' K.B.
One jt. 5.5/15.50# casing	33.47'	4,448.00' K.B.
Self fill insert float	.00	
109 jts 5.5/15.50# casing	4478.20'	

Arapahoe Rig #7

September 17, 1989 - Day No. 8

TD: 4,466' K.B.
Current Operation: Waiting on completion.
Rig time: Nipple down and set slips - 2:00
Rigging down - 8 hours
Rig idle - 14:00
Rig released 8:00 a.m. 9/16/89

September 19-22, 1989

TD: 4,466' K.B.
Current Operation: Waiting on completion. (CCM)

September 25-28, 1989

TD: 4,466' K.B.
Current Operation: Waiting on completion. (ARM)

September 29, 1989

TD: 4,466' K.B.
Current Operation: Rigged up Smith to pressure test. Set wellhead protector and pressure test to 3,800 psi. Held good. Pulled protector, rigged up perforators and perforate total of 60' in two runs, 4 shots per foot as follows: 4,282' - 4,332' K.B.; 4,226' - 36' K.B. per neutron gamma ray correlation log. Set wellhead protector. Rigged down perf. Rig up Smith Energy and Airco (CO₂) to frac. Pumped frac job at average rate of approximately 75 Bbls/min. Will give frac details on next report. (CCM)

October 2, 1989

Rigged up Smith Energy and Airco to frac. Fluid description: 30# cross-link gel w/ 300 SCF/CO₂.

	<u>RATE IN BPM</u>	<u>PSI</u>
238 Bbls Pad	50.5	1410
142 Bbls @ 1#/gal 40-70	50.5	1410
710 Bbls pad	69	1670
284 Bbls 1#/gal 40-70	68	1700
70 Bbls 1#/gal 12-20	68	1660
390 Bbls 2#/gal 12-20	67.6	1620
515 Bbls 3#/gal 12-20	67.2	1640
495 Bbls 4#/gal 12-20	65.0	2940

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32 Bbls Flush

38.0

3400

Total sand - 210,000 lbs 12-20. Total sand - 15,000 lbs 40-70
Avg. rate of 64 Bbls/min w/o CO₂. Avg. pressure of 1,600 psi.
2,876 Bbls total fluid. SWI 2 hours and flowed back to res. pit
through 3/4" choke overnight. (CCM)

October 2, 1989

TD: 4,466' K.B.

Current Operation: Move Big A rig #10 on location. Rig up unit.
Unload and rig up pump and pit. Nipple down frac equipment.
Nipple up BOP. Tally and pickup 2-3/8" tubing to 3,610'. Clean
out sand to 3,960'. Circulate clean. Pull up. SDON. (ARM)

October 3, 1989

TD: 4,466' K.B.

Current Operation: Check pressures. Tubing: 0 psi; Casing: 0
psi. Swab well. Made 40 runs and recovered 100 Bbls water.
Beginning fluid level - 400'. Ending fluid level - 1,800'. Casing
pressure end of day - 50 psi. (ARM)

October 4, 1989

TD: 4,466' K.B.

Current Operation: Check pressures. Casing - 200 psi. Tubing -
350 psi. Swab well. Made 15 runs. Casing pressure - 450 psi.
Well kicked off and flowed one hour. Made one run. Well flowed
two hours. Well continued to flow 30 min. to one hour after each
run. Fluid level at start - 1,800', end of day - 2,200'. Well
making small amount of paraffin. Well will log off when casing
falls below 180 psi. (ARM)

October 5, 1989

TD: 4,466' K.B.

Current Operation: Check pressures. Casing - 550 psi. Tubing -
200 psi. Made 24 runs total. Fluid level starting - 1,800, ending
- 3,200 psi. After 18 runs well flowed 2-1/2 hours then would flow
30 min. after each run. Casing pressure at end of day -200 psi.

October 6, 1989

TD: 4,466' K.B.

Current Operation: Check pressures - Casing: 500 psi. Tubing:
380 psi. Fluid level start - 2,700'. Made 11 swab runs. Well
kicked off and flowed for 2-1/2 hours. Logged off. Made 7 swab
runs. Fluid level dropped to 3,500'. Rig down swab. Run in hole
with tubing to check for fill. Fill @ 32'. Pull out of hole with
tubing. SDON. (ARM)

Big A rig #10

October 9, 1989

TD: 4,466' K.B.

Current Operation: TIH w/ hydrostatic bailer on 2-3/8" tubing.

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Tagged fill @ 4,408' K.B. Cleaned out to 4,437' K.B. Pulled up to 4,408' K.B. then could not get past 4,418' K.B. TOH and checked the bailer. TIH and tagged again @ 4,418' KB. Not sure what is stopping the bailer but have plenty of rat hole. TOH w/ 2-3/8" tubing and bailer. TIH w/ tubing, purge, 1 jt of 2-3/8" tubing, 4'perf sub, SN and 2-3/8" tubing. SWI. SDOWE. (CCM)

October 10, 1989

Current Operation: PU pump and 3/4" rods and RIH. Seated pump. Rigged up wellhead equipment, clamped rods off and SWI. RDMO Big A rig #10. Wellbore equipment summary:

<u>ITEM</u>	<u>LENGTH</u>	<u>DEPTH ' KB</u>
2-3/8" tubing purge	.66	4,283.84'
1 jt. 2-3/8" EUE tubing	31.50	4,251.68'
1 2-3/8" perf sub	4.00	4,247.68'
1 2-3/8" SN	1.10	4,246.58'
134 jts 2-3/8" 4.7#/ft EUE tbg	<u>4,234.58</u>	
	4,271.84' total string	

Pump and rod string: 2" x 1-1/2" x 16' RWAC E.Q. 4' martin ring reg. CPID Bbl. TC seats and SS balls w/ reg. fittings. Ran w/ 168 3/4" rods, 2 8' pony rods and one 4' pony rod.

October 11, 1989

Current Operation: Shut-in. Waiting on surface equipment. (CCM)