

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NM 060402

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Fairfield #3

9. API WELL NO.

30-045065-25

10. FIELD AND POOL, OR WILDCAT

WAW Fruitland Sand PC

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

14-27N-13W

12. COUNTY OR
PARISH

San Juan

13. STATE

NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐ 3 PM 1-18b. TYPE OF COMPLETION:
NEW WELL ☐ * OVER EX ☐ PLUG BACK ☒ DIFF. REVR. ☒ Other ☐

2. NAME OF OPERATOR

Rocanville Corporation

3. ADDRESS AND TELEPHONE NO.

8235 Douglas Avenue, Suite 210, Dallas, Texas 75225

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

At surface 2110 FNL and 1850 FWL

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR
PARISH

San Juan

13. STATE

NM

15. DATE SPUDDED

7-20-94

16. DATE T.D. REACHED

7-20-94

17. DATE COMPL. (Ready to prod.)

8-4-94

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5906 GR

19. ELEV. CASINGHEAD

5906 GR

20. TOTAL DEPTH, MD & TVD

6152

21. PLUG, BACK T.D., MD & TVD

1484

22. IF MULTIPLE COMPL.,

HOW MANY

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

Top-1145' WAW Fruitland Sand PC

Bottom-1155' same

RECEIVED
MAY 16 199625. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL log

OIL CON. DIV.

27. WAS WELL CORRED

28. Well drilled in 1963

CASING RECORD (Report by logs run in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	250'		175 sx 50/50 pos/2% CC	
4 1/2	10.5#	6150'		205 sx 50% pos/2 % gel	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	1059.53	1073.63

31. PERFORATION RECORD (Interval, size and number)

Perforate 1145' to 1155' with
2 spf, 20 holes with a .38" diameter.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1145/1155'	Acidized w/500 gal. 7 1/2% MCA

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
8-4-94		Swab					Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
8-5-94	3	3/4	→	0	0	0	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
0	0	→	0	0	0	--		

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

To be sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Daily operation summary from On Site Consulting

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

SIGNED

TITLE

Agent

DATE

5-7-96

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

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 the jurisdiction of such department or agency.

NMOCD

ACCEPTED FOR RECORD
MAY 14 1996
FARMINGTON DISTRICT OFFICE
BY 21

ON SITE TECHNOLOGIES, LTD.

RECEIVED
MAIL ROOM

AUG 10 3 PM 1:18

Daily Workover Report

AUG 10 1994, NM

Operator: Rocanville Corporation

Well Name: Fairfield #3

Field: Basin Dakota

Location:

Purpose: Repair the casing and return well to production

DateWorkover Description

- 07/20/94 Big A Rig #18. Total depth 6152'. PB total depth 6055'. Perforations: 6019'-6032' (13'), 6040'-6042' (2'), 5902' (1'), 5904' (1'), 5906' (1'), 5911'-5915' (4'), 5946'-5949' (3'), 5960' (1'), 5968'-5970' (2'), 5974' (1'), 5981' (1') & 5983' (1') 2 SPF (32') 64 holes. Tubing 2 3/8" 191 joints overall 7 below packer at 5801'-hole, suspected at 3600'-3700'. SITP 0 psi. SICP 0 psi. Test rig anchors. MIRUSU. Nipple down well head. Nipple up BOP. Attempt to unseat packer. Pull to string weight of 30,000#. Saw bypass on packer open pull up to set slips at 40,000#. Tubing parted at 3234.50'. Thread pulled out of collar. Lay down 1100' of bad tubing. Shut in well. Shut down for the night. Present Operation: Wait on fishing tools and tubing.
- 07/21/94 Big A Rig #18. Total depth 6152'. PB total depth 6055'. Perforations: 5902'-6042' overall. Pick up fishing tools and 1258' of new 2 3/8" J-55 tubing at 1:30 p.m. Trip in hole with 22 stands tubing. Trip up 582' high 2653'. Believe it is scale built up on casing. Trip out of hole with tubing and fishing tools. Pick up 3 7/8" bit and bit sub. Trip in hole. Trip at 2653'. Rig up drilling equipment. Shut in well. Shut down for the night.

07/22/94 Big A Rig #18. Total depth 6152'. PB total depth 6055'. Perforations: 5902'-6042' overall. Rig up to drill. Break circulation. Tight spot in casing at 2561.61' KB. Circulate drilling mud and formation. Drill from 2561.61' KB to top of fish at 3246.50' KB (685'). Returns consisted of drilling mud, formation and scale. Circulate hole as clean as possible from top of fish. Trip out of hole with tubing, bit sub and bit. Trip in hole with 3 3/4" overshot with 3 1/16" catch with tooth type rotary shoe and tubing (98 joints new 2 3/8" 4.7 J-55 EUE tubing). Unable to get past 2561.61' (80 joints) with fishing tool. Trip out of hole with same. Trip in hole with 3 7/8" bit and bit sub. Tubing to 2561.61' (80 joints). Work through bad spot several times. Go to top of fish. Clean to fish. Trip out of hole with 15 stands. Shut in well. Shut down for the night. Present Operation: Work through bad spot in casing and check fill on fish.

07/23/94 Total depth 6152'. PB total depth 6055'. Perforations: 5902'-6042' overall. Trip in hole to 2561.61' 80 joints 2 3/8" tubing. Trip and work through bad spot in casing. Trip in hole to top of fish, no fill,. Rig up and circulate off of top of fish for 30 minutes. Returns consist of drilling mud and formation. Trip out of hole to bad spot at 2561'. Work 3 7/8" bit through bad spot several times. Trip out of hole. Trip in hole with 3 3/4" overshot with 3 1/16" catch with cut lip guide to bad spot at 2561'. Work through bad spot. Trip in hole to fish. Had to rotate through two places in casing. Rig up power swivel. Circulate and rotate down to top of fish. Latch onto fish. Work pipe several times up to 35,000# which is approximately 10,000# over string weight with buoyancy factor. Would not pull loose. Rig up wireline specialties, run 1 11/14" sinker bar with ccl to 3359'. Had to spud to make that. Rig down wireline specialties (tubing plugged). Pull on tubing in 5000# increments to 52,000#. Tubing parted. Recovered 3 joints and a collar. Shut in well. Shut down for the night. Present Operation: Will make bit trip to fish on Monday morning.

07/25/94 Total depth 6152'. PB total depth 6055'. Perforations: 5902'-6042' (overall). Trip in hole with 3 7/8" bit and bit sub to 2950'. Set down, unable to get any deeper. Push out of hole with same. Rig up Blue-Jet to run casing inspection log. Run in hole with junk basket with 3.64" gauge ring to 2656'. Push out of hole. Run in hole with magnetic thickness tool. Ran log from 3256' to 1500'. Casing in very bad shape. Shut in well. Shut down for the night to make a decision.

- 07/26/94 Total depth 6152'. PB total depth 6055'. Perforations: 5902'-6042' (overall). Nipple down BOP's. Change rams in BOP 2 3/8" out 4 1/2" in. Attempt to blow down surface casing, would not blow down. Rig up 1/2" choke and gauge. Surface making approximately 500 MCFD. Rig up to 4 1/2" casing. Pump down 4 1/2" in an attempt to circulate around surface casing. Would not circulate. Surface casing dead. Nipple down tubing head. Spear 4 1/2" casing. Pull 90,000#. Remove slips. Stack out and remove spear from casing. Nipple up BOP. Shut in well. Shut down for the night. Will freepoint 4 1/2" casing in the morning.
- 07/27/94 Total depth 6152'. PB total depth 6055'. Perforations: 5902'-6042'. SICP 0 psi. Rig up Wireline Specialties to freepoint casing. 500' / 100 pts - 871' / 93 pts - 905' / 82 pts - 937' / 82 pts - 973' / 70 pts - 1005' / 70 pts - 1100' / 50 pts - 1200' / 0 pts. Lay down fishing tool. Nipple down BOP. Reland 4 1/2" casing on slips. Nipple up BOP. Pick up Trip in hole with 4 1/2" RBP set at 2056'. Trip out of hole with tubing and retrieving head. Rig up Wireline Specialties. Perforate casing with 2 spf at 1800'. Attempt to circulate around surface casing. Pump in at 1000 psi at 1.5 bpm. Pump total of 10 bbls, will not circulate. Trip in hole with retrieving head. Retrieve RBP. Move up hole to 1620'. Trip out of hole with retrieving head. Perforate casing at 1500' 2 spf. Attempt to circulate around surface casing. Pump 20 bbls @ 1.5 bpm at 1100 psi, will not circulate. Trip in hole. Retrieve RBP. Move up hole to 1358'. Set RBP. Trip out of hole with retrieving head. Perforate casing at 1300' 2 spf. Break circulation around surface casing. Pump 120 bbls at 1.5 bpm at 600 psi. Shut in well. Shut down for the night. Will circulate and freepoint in the morning.
- 07/28/94 Total depth 6152'. PB total depth 6055'. Perforations: 5902'-6042'. SICP 0 psi. Rig up and circulate from holes at 1300', 60 bbls, 2% KCL water. Trip in hole with retrieving head. Retrieve RBP. Trip in hole to 1622'. Reset RBP. Rig up to circulate. Drop 4-1.3 sp-Frac balls. Pump 40 bbls, 2% KCL water. Saw balls hit. Pressure increase of 500 psi. Returns cut in half. Unable to determine if pumping around perforations at 1300' or 1500'. Retrieve RBP. Trip out of hole with same. Nipple down BOP. Pick up casing spear. Pull 4 1/2" casing slips. Nipple up BOP. Free point 4 1/2" casing. No change from yesterdays figures. Rig down Wireline Specialties. Reset 4 1/2" casing slips. Nipple up BOP. Circulate 140 bbls, 2% KCL water. Shut in well. Shut down for the night. Proceeding to cement well and plug back to 1300' with verbal permission of the BLM. Set balanced plug from 3246' to 2500' and squeeze. Squeeze hole at 1800' and 1500'. Circulate cement to surface from 1300'. Complete in P.C. or Fruitland.

- 07/29/94 Total depth 6152'. PB total depth 6055'. Perforations: 5902'-6042'. Nipple down BOP. Nipple down Spacer Spool. Nipple up Tubing Spool. Nipple up BOP. Trip in hole with 97 joints 2 3/8 tubing open ended 3226' KB. Rig up Western Company to pump cement. Mix and pump 125 sacks Class "B" neat (26 bbls) cement. Displace with 4.4 bbls water. Plug balanced. Trip out of hole with tubing to 1400'. Reverse circulation 1 1/2 bbls cement. Returns - finish trip out of hole. Pick up Packer. Trip in hole to 1400'. Set Packer. Squeeze 13 bbls cement behind 4 1/2" casing and left 13 bbls cement inside 4 1/2" casing. Left 900 psi on cement. Shut in well. Shut down for the night. Calculated cement top inside 4 1/2" casing 2400'.
- 07/30/94 Total depth 6152'. PB total depth 2650'. Perforations 5902'-6042'. Plugged and abandoned. SITP Vacuum - release Packer. Trip out of hole. Lay down 41 joints new tubing. Pick up 3 7/8" bit and scraper. Trip in hole. Tag cement at 2650'. Trip out of hole with same. Lay down 68 joints used tubing. Trip in hole with Packer. Set at 1602' KB. Estimate injection rate - communication between perforations at 1800' and 1500'. Release Packer. Pull up hole - reset Packer at 1338' KB. Rig up Western Company. Estimate injection rate. 1.5 bpm at 1000 psi. No communication between perforations. Mix and pump 60 sacks Class "B" neat 12.5 bbls slurry. Displace with 7.0 bbls water leaving .5 bbl cement in 4 1/2" casing. Let cement set for one hour with 900 psi. Bled pressure off cement. Stayed in place. Release Packer. Move up hole to 1140' KB. Rig up Western Company. Break circulation around surface casing. Mix and pump 357 sacks Class "B" neat cement 75 bbls slurry. Lost circulation returns just starting to turn to cement. Displace with 6 bbls water leaving 1 bbl cement in casing. Shut in well with 900 psi on tubing. Rig down Western Company. Shut down for the night. BLM Representative on location both days of cementing. Satisfied with the job we did.
- 08/01/94 Total depth 6152'. PB total depth 1480'. No perforations open. SITP 0 psi. Release Packer. Trip out of hole with same. Trip in hole with 3 7/8" bit, 4 1/2" scraper and tubing. Tag TOC at 1218' KB. Rig up drilling equipment. Drilling cement from 1218' KB to 1480' KB (262'). Circulate hole clean. Trip out of hole with tubing, scraper and bit. Load 4 1/2" casing with 2 % KCL water. Shut in well. Shut down for the night. Present Operation: Preparing to log (CBL) and perforate to test for production.

- 08/02/94 Total depth 6152'. PB total depth 1484'. Perforations: 1145'-1155', 2 spf 10', 20 holes .38 diameter. Rig up Blue Jet. Run CBL log from PB total depth 1484' to surface. 80-90% bond overall average. Repair lock down screw in tubing spool. Pressure test. 4 1/2" casing 500 psi, 15 minutes held. Perforate well 1145'-1155', 2 spf 10', 20 holes. Rig down Blue Jet. Trip in hole with production string as follows:
 ArrowSet I 4 1/2" X 2 3/8" Packer 6.65' 1080.28' bottom of Packer 1073.63' top of packer
 Seating Nipple 1.10' 1072.53'
 32 Joints 2 3/4" 4.7# J-55 EUE Tubing 1059.53'
 KB 13.00'
 Set Packer at 1073.63' with 2000# compression land tubing. Nipple down BOP. Nipple up well head. Rig up Swab. Made four runs in three hours. Received 4.5 bbls 2% KCL water. No show of gas. Shut in well. Shut down for the night. Preparing to acidize in the morning.
- 08/03/94 Total depth 6152'. PB total depth 1484'. Perforations: 1145'-1155'. SITP 15 psi. Rig up Swab. IFL 950'. SD 1072'. Received .46 bbl in two runs. Rig up Halliburton. Pump 500 gallons 7 1/2% MCA (12 bbls). Displace with 5 bbls 2% KCL water. 3/4 bpm AIR. 650 psi AIP. Rig down Halliburton. Open well 300 psi ISIP. Flow well back 1/2 hour, received 3 bbls, well dead. Rig up Swab. IFL surface. SD 1072', received 4 bbls acid and water. 2:00 p.m.-Run #2, FL 900', SD 1072', received .4 bbls acid and water. 2:30 p.m.-Run #3, FL 950', SD 1072', received .2 bbls acid and water. 3:30 p.m.-Run #4, FL 950', SD 1072', received .2 bbls acid and water. 7.8 bbls total received. 9.2 bbl left to recover. Shut in well. Shut down for the night.
- 08/04/94 Total depth 6152'. PB total depth 1484'. Perforations: 1145'-1155'. SITP 30 psi. Run #1, TFL 800', SD 1073', received 1.05 bbls. Run #2, FL 950', SD 1073', received 0 bbls. 9:00 a.m.-Run #3, FL 950', SD 1073', received .2 bbls. Run #4, FL 950', SD 1073', received .2 bbls. Shut in well. Rig down SUMO. Will clean up location in the morning. (SEE BELOW)
- 08/05/94 Backfill pit. Clean up location. Finish paperwork.