

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease/Serial No.
NMSF078459

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator
CONOCOPHILLIPS COMPANY
Contact: DEBORAH MARBERRY
E-Mail: deborah.marberry@conocophillips.com

3. Address 5525 HIGHWAY 64
FARMINGTON, NM 87401
3a. Phone No. (include area code)
Ph: 832.486.2326

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 22 T32N R7W Mer NMP
At surface SESE 870FSL 925FEL
At top prod interval reported below
At total depth

6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.
NMMN78423A
8. Lease Name and Well No.
SJ 32-7 203A
9. API Well No.
30-045-31813-00-S1
10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL
11. Sec., T., R., M., or Block and Survey
or Area Sec 22 T32N R7W Mer NMP
12. County or Parish
SAN JUAN
13. State
NM
14. Date Spudded
09/16/2003
15. Date T.D. Reached
09/19/2003
16. Date Completed
☐ D & A ☒ Ready to Prod.
10/16/2003
17. Elevations (DF, KB, RT, GL)*
6614 GL
18. Total Depth: MD 3387
TVD
19. Plug Back T.D.: MD 3172
TVD
20. Depth Bridge Plug Set: MD
TVD
21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
NONE
22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H40	32.0	0	256		200		0	
8.750	7.000 J55	20.0	0	3172		511		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	3297							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	3172	3387	3172 TO 3387			OPENHOLE
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3172 TO 3387	OPENHOLE

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/24/2003	10/14/2003	24	→	0.0	2200.0	0.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
PITOT	SI	340.0	→	0	2200	0		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #26353 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

NMOCN

MAR 08 2004

ACCEPTED FOR RECORD

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
SAN JOSE	0	1001		NACIMIENTO	842
NACIMIENTO	1001	2386		OJO ALAMO	2367
OJO ALAMO	2386	2503		KIRTLAND	2427
				FRUITLAND	3146
				PICTURED CLIFFS	3659

32. Additional remarks (include plugging procedure):
This well is a single producing Basin Fruitland Coal.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #26353 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Farmington
Committed to AFMSS for processing by ADRIENNE GARCIA on 03/08/2004 (04AXG1997SE)

Name (please print) DEBORAH MARBERRYTitle SUBMITTING CONTACTSignature (Electronic Submission)Date 12/23/2003

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

END OF WELL SCHEMATIC

Well Name: San Juan 32-7 # 203A
 API #: 30-045-31813
 Location: 870' FSL & 925' FEL
Sect 22 - T32N - R7W
San Juan County, NM
 Elevation: 6614' GL (above MSL)
 Dri Rig RKB: 13' above Ground Level
 Datum: Dri Rig RKB = 13' above GL

Spud: 16-Sep-2003
 Release Dri Rig: 19-Sep-2003
 Move In Cav Rig: 10-Oct-2003
 Release Cav Rig: 16-Oct-2003

Surface Casing Date set: 16-Sep-03

Size 9 5/8 in
 Set at 256 ft # Jnts: 8
 Wt. 32.3 ppf Grade H-40
 Hole Size 12 1/4 in Conn STC
 Excess Cmt 165 %
 T.O.C. SURFACE

Csg Shoe 256 ft
 TD of 12-1/4" hole 256 ft

Notified BLM @ _____ hrs on _____
 Notified NMOCD @ _____ hrs on _____

Intermediate Casing Date set: 19-Sep-03

Size 7 in 77 jts
 Set at 3172 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 160 %
 T.O.C. SURFACE

Csg Shoe 3172 ft
 TD of 8-3/4" Hole 3172 ft

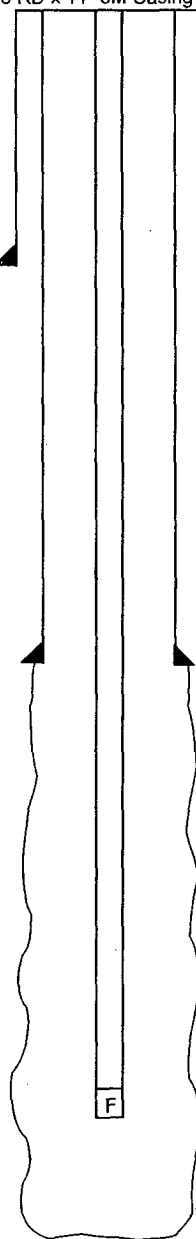
Notified BLM @ _____ hrs on _____
 Notified NMOCD @ _____ hrs on _____

We did not run a liner in this well.
 Nor did we cavitate it.
 We just drilled it out and ran tubing.

Trash Cap
 7-1/16" 3M x 3-1/8" 3M Adapter Flange
 11" 3M x 7-1/16" 3M Tubing Head
 9-5/8" 8 RD x 11" 3M Casing Head

☒ New
☐ Used

☒ New
☐ Used



TD 3,387 ft

Surface Cement

Date cmt'd: 16-Sep-03
 Lead : 200 sx Class G Cement
+ 2% S001 Calcium Chloride
+ 0.25 lb/sx D029 Cellophane Flakes
1.16 cuft/sx, 232 cuft slurry at 15.8 ppg
 Displacement: 17.7 bbls fresh wtr
 Bumped Plug at: 254 psi
 Final Circ Press: 114 psi
 Returns during job: YES
 CMT Returns to surface: 17 bbls
 Floats Held: No floats used
 W.O.C. for 8.0 hrs (plug bump to csg pressure test)

Intermediate Cement

Date cmt'd: 19-Sep-03
 Lead : 411 sx Class G Cement
+ 3% D079 Extender
+ 0.25 lb/sx D029 Cellophane Flakes
+ 0.2% D046 Antifoam
2.61cuft/sx, 1075 cuft slurry at 11.7 ppg
 Tail : 100 sx 50/50 POZ : Class G cement
+ 2% D020 Bentonite
+ 2% S001 Calcium Chloride
+ 5 lb/sx D024 Gilsonite
+ 0.25 lb/sx D029 Cellophane Flakes
+ 0.2% D046 Antifoam
1.27 cuft/sx, 127 cuft slurry at 13.5 ppg
 Displacement: 126 bbls
 Bumped Plug at: 1227 psi
 Final Circ Press: 728 psi
 Returns during job: YES
 CMT Returns to surface: 40 bbls
 Floats Held: ☒ Yes ☐ No

COMMENTS:

Surface: No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe.
Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt.

Intermediate:

Production:

We did not run a liner on this well. Nor did we cavitate it. We just drilled it out and ran tubing.
Ran F Nipple + 6 jts 3-1/2" 9.7# J-55 FL4S + XO + 98 jts 3-1/2" 9.3# J-55 EUE 8rd tubing (EOT at 3298' MD RKB)
We retrieved the blank (plug) from the F Nipple before moving out the cavitation rig.

CENTRALIZERS:

Surface: CENTRALIZERS @ 240', 224', 194', & 165' Total: 4
 Intermediate: CENTRALIZERS @ 3151', 3128', 3045', 2962', 2879', 2796', & 247' Total: 7
TURBOLIZERS @ 2507', 2466', 2424' Total: 3

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000203A
 Common Well Name: SAN JUAN 32-7 FRUITLAND #203A UNIT
 Event Name: Original Completion Start: 10/10/2003 Spud Date: 9/16/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: End:
 Rig Name: KEY ENERGY Rig Number: 27 Group:

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
10/11/2003	06:00 - 07:00	1.00	CM	1	80CMPL	SHUT DOWN FOR THE NIGHT
	07:00 - 07:30	0.50	CM	c	80CMPL	HELD PJSM WITH ALL PERSONEL
	07:30 - 19:00	11.50	CM	1	00MMIR	MOVED RIG AND RIGGED UP SAME, NIPPLE UP BOPS.
	19:00 - 06:00	11.00	CM	1	80CMPL	SHUT DOWN FOR THE NIGHT
10/12/2003	06:00 - 07:00	1.00	CM	1	80CMPL	SHUT DOWN FOR THE NIGHT.
	07:00 - 16:00	9.00	CM	1	80CMPL	HOOK UP BLOOIE LINES, PICK UP DC AND DP OUT OF BASKET AND STRAP. WELDER WORKING ON SEVERAL SAFETY ITEMS.
10/13/2003	16:00 - 18:30	2.50	CM	8	80CMPL	PJSM AND JSA TEST 7" CSG & BLIND RAM'S 200# 3 MIN'S & 1800# 30 MIN'S STATE INTEGRITY TEST = CHARTED GOOD TEST
	18:30 - 06:00	11.50	CM	1	80CMPL	SECURED WELL AND SHUT DOWN FOR THE NIGHT.
	06:00 - 07:00	1.00	CM	1	80CMPL	SHUT DOWN FOR THE NIGHT
	07:00 - 07:30	0.50	CM	c	80CMPL	PJSM WITH ALL PERSONEL
	07:30 - 08:30	1.00	CM		80CMPL	RIG INSPECTION AND MAKE CORRECTIONS
	08:30 - 10:00	1.50	CM	8	80CMPL	PRESSURE TEST BOTH SETS OF PIPE RAMS, HCR VALVES, CASING VALVES AND ALL MANIFOLD VALVES. 300# LOW FOR 3 MIN. AND 1800# HIGH FOR 10 MIN. ALL OK
	10:00 - 14:00	4.00	CM	1	80CMPL	PICK UP REED BIT, BIT SUB AND F-NIPPLE AND GIH WITH DC AND DP TAG FLOAT COLLAR @
	14:00 - 15:30	1.50	CM	8	80CMPL	PICK UP SWIVEL AND TEST AIR LINES 300# LOW AND 1800# HIGH.
	15:30 - 16:00	0.50			80CMPL	UNLOAD HOLE WITH AIR
	16:00 - 17:30	1.50	CM	z	80CMPL	DRLG FLOAT COLLAR, AND 22 FT OF CEMENT TAG @ 3120'
10/14/2003						DRLG WITH AIR MIST, 10 BPH H2O, 1 GPH SOAP
	17:30 - 18:30	1.00	CM	z	80CMPL	CIRC HOLE CLEAN
	18:30 - 19:00	0.50	CM	1	80CMPL	SECURE WELL AND SHUT DOWN FOR THE NIGHT
	19:00 - 06:00	11.00	CM	1	80CMPL	SHUT DOWN FOR THE NIGHT
	06:00 - 07:00	1.00	CM	1	80CMPL	SHUT DOWN FOR THE NIGHT
	07:00 - 07:30	0.50	CM	c	80CMPL	PJSM WITH ALL PERSONEL
	07:30 - 08:30	1.00	CM	z	50PRDR	ESTABLISH CIRCULATION WITH AIR MIST, 475PSI, 1850 CFM, 12 BPH H2O, 1 GAL SOAP.
	08:30 - 15:00	6.50	DR	1	50PRDR	DRILLING WITH AIR MIST, 475PSI, 1850 CFM, 12 BPH H2O, 1 GAL SOAP. WITH 10 BBL SWEEPS ON CONNECTIONS.
	15:00 - 16:30	1.50	DR	5	50PRDR	CIRCULATE WITH AIR MIST, WORKING PIPE AND ROTATING. BASIN FRUITLAND COAL
						3192' - 3194' = 2' - NO GAS
						3202' - 3206' = 4' - 200 GAS UNITS
						3248' - 3260' = 12' - 255 GAS UNITS
						3278' - 3295' = 17' - 260 GAS UNITS
						3308' - 3309' = 1' - 200 GAS UNITS
						3323' - 3328' = 5' - 200 GAS UNITS
						3342' - 3344' = 2' - 200 GAS UNITS
						43' TOTAL COAL
	16:30 - 17:00	0.50	DR	4	80CMPL	PULL UP INTO 7" CASING LAYING DOWN 7 JOINTS OF DP.
	17:00 - 18:00	1.00	CM	u	80CMPL	2" OPEN FLOW TEST
						INITIAL SHUT IN PRESSURE 24 # 1520 MCFD
						15 MINUTES - 40 # = 1948 MCFD
						30 MINUTES - 38 # = 1917 MCFD
						45 MINUTES - 50 # = 2200 MCFD
						60 MINUTES - 50 # = 2200 MCFD
	18:00 - 20:30	2.50	CM	t	50PRDR	SHUT IN TEST
						INITIAL SHUT IN PRESSURE 50 #
						15 MINUTES 310 #
						30 MINUTES 340 #

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000203A
 Common Well Name: SAN JUAN 32-7 FRUITLAND #203A UNIT
 Event Name: Original Completion Start: 10/10/2003 End: Spud Date: 9/16/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: Group:
 Rig Name: KEY ENERGY Rig Number: 27

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
10/14/2003	18:00 - 20:30	2.50	CM	t	50PRDR	45 MINUTES 360 # 60 MINUTES 370 # 1 HR 15 MIN. 380 # 1 HR 30 MIN. 385 # 1 HR 45 MIN. 390 # 2 HR 395 # 2 HR 15 MIN. 395 #
	20:30 - 21:00	0.50	CM	u	80CMPL	SLOWLY BLEED DOWN PRESSURE FROM WELL
	21:00 - 21:30	0.50	CM	4	80CMPL	GIH PICKING UP SINGLE JOINTS OF DP WITH SWIVEL, TAG FILL @ 3352'
	21:30 - 22:30	1.00	CM	z	80CMPL	CLEAN OUT 35' TO BOTTOM
	22:30 - 00:00	1.50			80CMPL	CIRCULATE HOLE CLEAN, PULL UP INTO CASING.
	00:00 - 01:00	1.00	CM	u	80CMPL	2" OPEN FLOW TEST INITIAL SHUT IN PRESSURE 24 # 1520 MCFD 15 MINUTES - 38 # 30 MINUTES - 35 # 45 MINUTES - 40 # 60 MINUTES - 45 #
	01:00 - 03:00	2.00	CM	t	50PRDR	SHUT IN TEST INITIAL SHUT IN PRESSURE 50 # 15 MINUTES 280 # 30 MINUTES 330 # 45 MINUTES 355 # 60 MINUTES 375 # 1 HR 15 MIN. 380 # 1 HR 30 MIN. 390 # 1 HR 45 MIN. 395 # 2 HR 395 #
	03:00 - 03:30	0.50	CM	u	50PRDR	BLOW WELL DOWN SLOWLY
	03:30 - 04:00	0.50	CM	1	50PRDR	GIH PICKING UP DP WITH POWER SWIVEL TAG @ 3357
	04:00 - 06:00	2.00	CM	1	50PRDR	CLEAN OUT TO 3387'
	06:00 - 08:00	2.00	CM	1	80CMPL	CIRCULATE HOLE CLEAN, AND SAFETY MEETING WITH ALL PERSONEL
	08:00 - 08:30	0.50	CM	4	80CMPL	PULL UP HOLE LAYING DOWN 7 JOINTS OF DP.
	08:30 - 09:30	1.00	CM	u	50PREV	2" OPEN FLOW TEST INITIAL SHUT IN PRESSURE 20 # 1500 MCFD 15 MINUTES - 40 # = 1948 MCFD 30 MINUTES - 40 # = 1948 MCFD 45 MINUTES - 40 # = 1948 MCFD 60 MINUTES - 40 # = 1948 MCFD
	09:30 - 10:30	1.00	CM	t	50PREV	SHUT IN TEST INITIAL SHUT IN PRESSURE 40 # 15 MINUTES 310 # 30 MINUTES 350 # 45 MINUTES 370 # 60 MINUTES 400 #
10/15/2003	10:30 - 11:30	1.00	CM	1	80CMPL	SLOWLY BLOW WELL DOWN, CHANGE OUT STRIPPING RUBBER, TRIP IN HOLE, TAG @ 3385
	11:30 - 14:30	3.00	CM	f	80CMPL	WASH 2' TO BOTTOM, CIRCULATE HOLE CLEAN.
	14:30 - 15:00	0.50	CM	4	80CMPL	PULL UP HOLE LAYING DOWN 7 JOINTS OF DP.
	15:00 - 00:00	9.00	CM	1	80CMPL	SHUT WELL IN. 1600 HRS - 400 #

Operations Summary Report

Legal Well Name: SAN JUAN 32-7 UNIT FRUITLA 000203A
 Common Well Name: SAN JUAN 32-7 FRUITLAND #203A UNIT
 Event Name: Original Completion Start: 10/10/2003 End: 9/16/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: Group:
 Rig Name: KEY ENERGY Rig Number: 27

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
10/15/2003	15:00 - 00:00	9.00	CM	1	80CMPL	1700 HRS - 420 # 1800 HRS - 430 # 1900 HRS - 415 # 2000 HRS - 410 # 2100 HRS - 405 # 2200 HRS - 400 # 2300 HRS - 400 # 0000 HRS - 400 #
	00:00 - 00:30	0.50	CM	1	80CMPL	SLOWLY BLOW WELL DOWN
	00:30 - 01:00	0.50	CM	4	80CMPL	RUN IN HOLE TAG @ 3382'
	01:00 - 05:30	4.50	CM	f	80CMPL	WASH 5' TO BOTTOM CIRC HOLE CLEAN
	05:30 - 06:00	0.50	CM	4	80CMPL	PULL UP HOLE LAYING DOWN 7 JOINTS, HANG SWIVEL BACK, RIG UP FLOOR TO LAY DOWN DP
10/16/2003	06:00 - 07:00	1.00	CM	z	80CMPL	RIG UP FLOOR TO LAY DOWN DP AND DC
	07:00 - 07:30	0.50	CM	c	80CMPL	PJSM WITH ALL PERSONEL
	07:30 - 09:30	2.00	CM	z	80CMPL	LAY DOWN DP AND DC
	09:30 - 10:30	1.00	CM	1	80CMPL	PJSM CHANGE BOTH SETS OF PIPE RAMS TO 3 1/2
	10:30 - 14:30	4.00	CM	2	80CMPL	PICK UP TUBING F-NIPPLE 0.73 6 JTS FLUSH JT. 160.10 1 CHANGE OVER 0.50 98 JTS 3 1/2 TBG 3125.37 KB 11.00 BOTTOM OF TUBING @ 3297.70 LAND DONUT
	14:30 - 15:00	0.50	CM	1	80CMPL	RIG DOWN FLOOR
	15:00 - 16:30	1.50	CM	e	80CMPL	NIPPLE DOWN BOPS AND NIPPLE UP UPPER TREE. PRESSURE TEST TO 3000# OK
	16:30 - 18:00	1.50	CM	z	80CMPL	RIG UP WIRELINE UNIT AND RETRIEVE BLANK FROM F-NIPPLE. TAGGED F-NIPPLE @ 3297'
	18:00 - 19:00	1.00	CM	1	80CMPL	RIG DOWN, SECURE WELL AND SHUT DOWN FOR THE NIGHT.