

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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

3. Address
5525 Highway 64 Farmington NM 87401

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface 816 FNL & 435 FWL NWNW SEC 1 T30N R7W

At top prod. interval reported below

At total depth Same as above

14. Date Spudded
08/26/2005

15. Date T.D. Reached
10/04/2005

16. Date Completed
☐ D & A ☒ Ready to Prod.
10/29/2005

18. Total Depth: MD 3573
TVD 3573

19. Plug Back T.D.: MD 3568
TVD 3568

20. Depth Bridge Plug Set: MD
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
Mud Logs

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit copy)

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
12.25	9.625H-40	32.3	0	234		150 sx		0	15 bbls
8.75	7.0 J-55	20.0	0	3179		515 sx		0	20 bbls
6.25	5.5 Liner	15.5	3114	3570		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	3536							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland Coal	3184	3496	3184-3496	.75	360	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
	Underreamed 6.25" hole to 9.5" hole from 3179' to 3573'.

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
10/27/05	10/27/05	1	→	0	1236	0			Gas Pumping Unit
Choice Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
2" Pitot	SI n/a	16 psi	→					Shut-in	

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

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

5. Lease Serial No.
NMSF079000

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.
NMNM78421C

8. Lease Name and Well No.
SAN JUAN 31-6 UNIT 209A

9. API Well No.
30-039-29453

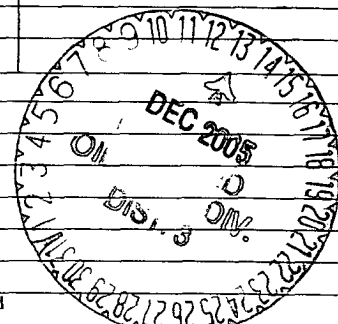
10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

11. Sec., T., R., M., on Block and Survey or Area
D Sec: 1 Twn: 30N

12. County or Parish
RIO ARRIBA

13. State
NM

17. Elevations (DF, RKB, RT, GL)*
6560 GL



ACCEPTED FOR RECORD

DEC 07 2005

FARMINGTON FIELD OFFICE
BY

NMOCD

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 or 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
				Nacimiento	1353
				Ojo Alamo	2433
				Kirtland	2583
				Fruitland	3053
				Top Coal MD	3182
				B Main Coal MD	3398
				PC Tongue MD	3403
				B Lowest Coal MD	3496
				Top PCCF MD	3504

32. Additional remarks (include plugging procedure):

This well is a single well producing from the Basin Fruitland Coal. Attached is the Wellbore Schematic and the Daily Summaries.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geological 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)*

Name (please print) Juanita Farrell Title Regulatory Analyst

Signature *Juanita Farrell* Date 11/18/2005

Title 18 U.S.C. Section 101 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 and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Well Name: San Juan 31-6 #209A
 API #: 30-039-29453
 Location: 816' FNL & 435' FWL
Sec. 01 - T30N - R7W
Rio Arriba County, NM
 Elevation: 6560' GL (above MSL)
 Dri Rig RKB: 13' above Ground Level
 Datum: Dri Rig RKB = 13' above GL

Note - this well is equipped with rods & pump
 7-¹/₁₆" 3M x 2-³/₈" EUE 8rd Bonnet
 11" 3M x 7-1/16" 3M Tubing Head
 9-5/8" 8 RD x 11" 3M Casing Head

Patterson Rig: #749
 Spud: 26-Aug-05
 Spud Time: 23:00
 Release Dri Rig: 31-Aug-05
 Time Release Rig: 8:00
 Move In Cav Rig: 30-Sep-05
 Release Cav Rig: 29-Oct-05

Surface Casing Date set: 27-Aug-05

Size 9 5/8 in
 Set at 234 ft # Jnts: 5
 Wt. 32.3 ppf Grade H-40
 Hole Size 12 1/4 in Conn STC
 Excess Cmt 125 %
 T.O.C. SURFACE Csg Shoe 234 ft
 TD of 12-1/4" hole 245 ft

Notified BLM @ 9:00 hrs on 23-Aug-05
 Notified NMOCD @ 9:00 hrs on 23-Aug-05

Intermediate Casing Date set: 30-Aug-05

Size 7 in 74 jts
 Set at 3179 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 160 % Top of Float Collar 3133 ft
 T.O.C. SURFACE Bottom of Casing Shoe 3179 ft
 Pup @ 0 ft TD of 8-3/4" Hole 3183 ft
 Pup @ 0 ft

Notified BLM @ 6:38 hrs on 29-Aug-05
 Notified NMOCD @ 6:45 hrs on 29-Aug-05

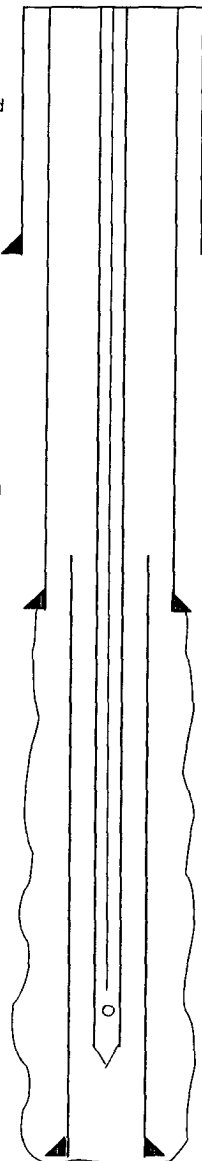
Production Liner Date set: 26-Oct-05

Size 5 1/2 in
 Nominal Wt. 15.5 ppf
 Grade J-55 Connections: _____
 # Jnts: 7
 Hole Size 6.25 / 9.5 inches
 Underreamed 6-1/4" hole to 9.5" from 3179' to 3573'
 Top of Liner 3114 ft
 PBTD 3568 ft
 Bottom of Liner 3570 ft

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used



TD 3,573 ft

Surface Cement

Date cmt'd: 27-Aug-05
 Lead : 150 sx Class G Cement
 + 3% S001 Calcium Chloride
 + 0.25 lb/sx D029 Cellophane Flakes
1.16 cuft/sx, 174.0 cuft slurry at 15.8 ppg
 Displacement: 15.3 bbls fresh wtr
 Bumped Plug at: 10:10 hrs w/ 300 psi
 Final Circ Press: 70 psi @ 0.5 bpm
 Returns during job: YES
 CMT Returns to surface: 15
 Floats Held: No floats used
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 13.00 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 31-Aug-05
 Lead : 415 sx Standard Cement
 + 3% D079 Extender
 + 0.25 lb/sx D029 Cellophane Flakes
 + 0.2% D046 Antifoam
0
2.61cuft/sx, 1083.2 cuft slurry at 11.7 ppg
 Tail : 100 sx 50/50 POZ : Standard cement
 + 2% D020 Bentonite
 + 2% S001 Calcium Chloride
 + 5 lb/sx D024 Gilsonite
 + 0.25 lb/sx D029 Cellophane Flakes
 + 0.1% D046 Antifoam
1.27 cuft/sx, 127 cuft slurry at 13.5 ppg
 Displacement: 126.9
 Bumped Plug at: 00:15 hrs w/ 1500 psi
 Final Circ Press: 650 psi @ 2 bpm
 Returns during job: YES
 CMT Returns to surface: 20
 Floats Held: X Yes ___ No

UNCEMENTED LINER

Schematic prepared by:
 Michael Neuschafer, Drilling Engineer
 18-November-2005

COMMENTS:

9-5/8" Surf:	No float equipment was run. Ran a guide shoe and an aluminum baffle plate 1 jt above the guide shoe @ 190'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 224', 146', 103' & 59'. Total: 4
7" Intermediate	DISPLACED W/ 126.9 BBLs. FRESH WATER. CENTRALIZERS @ 3134', 3090', 3004', 2918', 2833', 2747', 211', 81', & 38'. TURBOLIZERS @ 2575', 2532', 2489', 2446' & 2403'. Total: 9 Total: 4
5.5" Liner	Ran 6 1/4" bit and bit sub with float valve on bottom of liner. Ran and set the liner w/ TIW H-Latch Drop Off Tool (no liner hanger).
Perforations	Perforated 5-1/2" liner with guns on E-line at 4 spf, 0.75" diameter, 120 degree phased holes Perf. Intervals: 3494'-3496', 3466'-3483', 3390'-3398', 3362'-3376', 3336'-3352', 3324'-3330', 3277'-3287', 3268'-3272', 3256'-3261', 3242'-3244', 3211'-3213', 3196'-3198', 3184'-3186'. Total 360 holes
Tubing	2 1/16" Saw Tooth collar, XO, 2-3/8" Slotted Mud Anchor 31.8' long with 0.5" hole drilled just below the upset, 2-3/8" OD (1.78" ID) F-Nipple, 6.1' 2-3/8" pup joint, and 111 jts 2-3/8" 4.7# J-55 EUE 8rd tubing Bottom of Mud Anchor at 3535'. Top of F-Nipple at 3502' MD RKB.
Pump & Rods	2" x 1-1/4" x 12' RWAC-Z insert pump, 3 each 1 1/4" x 25' sinker bars, 136 each 3/4" rods, spaced out with 1 ea 6' x 3/4" OD pony rods & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 3502' MD RKB



Regulatory Summary

SAN JUAN 31 6 UNIT #209A

INITIAL COMPLETION, 9/30/2005 00:00

API/Bottom UWI 300392945300	County Rio Arriba	State/Province New Mexico	Surface Legal Location NMPM-30N-07W-01-D	N/S Dist (ft) 816.00	N/S Ref N	E/W Dist (ft) 435.00	E/W Ref W
Ground Elevation (ft) 6,560.00	Latitude (DMS) 36° 50' 47.58" N	Longitude (DMS) 107° 31' 45.156" W	Spud Date 8/26/2005	Rig Release Date 8/31/2005			

9/30/2005 07:00 - 9/30/2005 19:00

Last 24hr Summary

MI & SPOT KEY 22 & AUXILARY EQUIPMENT-COMMENCE COMPLETION OPERATIONS ON THE SJ 31-6 #209A LOCATED 816'FNL & 435'FWL SEC 01-T30N-R7W, RIO ARRIBA CO, NM

10/1/2005 19:00 - 10/1/2005 19:00

Last 24hr Summary

RU-NU BOPE-RU BLOOIE, PUMP, & AIR EQUIPMENT LINES-PERFORM RANDOM BLOOIE & HARD LINE INTEGRITY INSPECTION

10/3/2005 07:00 - 10/4/2005 00:00

Last 24hr Summary

COOH W/ DC'S-DROP BIT/BIT SUB/3-1/2" DC W/ LIFTING SUB-PT BOPE-MU OVERSHOT & FISH LIFTING SUB / DC / BIT SUB / BIT-TRIP IN W/ 6-1/4" DRLG ASSEMBLY

10/4/2005 00:00 - 10/5/2005 00:00

Last 24hr Summary

DRILLOUT OPEN HOLE SECTION-FLOW TEST-NATURAL SURGE-TRIP & UNDER-REAM OPEN HOLE SECTION

10/5/2005 00:00 - 10/6/2005 00:00

Last 24hr Summary

URR OPEN HOLE SECTION-TRIP & LAYDOWN URR-POST URR FLOW TEST-SIPBU-NATURAL SURGE #2-AIR BOOSTER REPAIR & PERFORM NATURAL SURGES-PADED SURGES

10/6/2005 00:00 - 10/7/2005 00:00

Last 24hr Summary

PADED SURGES-CO T/ 3500'-PADED SURGES

10/7/2005 00:00 - 10/8/2005 00:00

Last 24hr Summary

PADED SURGES-CO-R&R T/ 3445'

10/8/2005 00:00 - 10/9/2005 00:00

Last 24hr Summary

R&R T/ 3500'KB-PULL T/3185-PADED SURGE #11-R&R

10/9/2005 00:00 - 10/10/2005 00:00

Last 24hr Summary

R&R 3354-3500'KB

10/10/2005 00:00 - 10/11/2005 00:00

Last 24hr Summary

R&R F/3470 -T/3500'-FLOW TEST-SIPBU-NATURAL SURGE-PADED SURGES-

10/11/2005 00:00 - 10/12/2005 00:00

Last 24hr Summary

CLEANOUT T/3400'KB-PULL UP T/ 7"-FLOW & SIPBU (WHILE WAITING ON DIESEL)-BOOSTER REPAIR-NATURAL SIPBU-PADED SURGE #18

10/12/2005 00:00 - 10/13/2005 00:00

Last 24hr Summary

CIRC AFTER PADED SURGE #18-LARGE CHUNKS OF COAL PACKED OFF IN DRILL PIPE CASING ANNULUS WORK DRILL STRING UP HOLE INTO 7" CASING T/ 3170'KB

10/13/2005 00:00 - 10/14/2005 00:00

Last 24hr Summary

WORK DRILL STRING UP T/ 3163'KB-RU & RUN FREEPOINT-STUCK @ 2054'KB, 100% FREE @ 2033'KB-UNABLE TO BACK OFF W/ 2- SHOTS-RD WIRELINE-RU POWER SWIVEL & WORK DRILL STRING-RE-RUN & BACK OFF DP @ 1994'KB

10/14/2005 00:00 - 10/15/2005 00:00

Last 24hr Summary

CLEANOUT COAL IN SURFACE EQUIPMENT-WORK DRILL STRING UP T/1810'KB-CLEAR DP W/ Kfc PRODUCED WATER-COOH W/ DRILL PIPE-COOH W/ DRILL PIPE-REPAIR PACKING IN POWER SWIVEL-GIH W/ 6-1/4" BIT & CO TO TOP OF FISH-TRIP CO ASSEMBLY & PICK UP FISHING TOOLS

10/15/2005 00:00 - 10/16/2005 00:00

Last 24hr Summary

CO F ILL IN 7" TO TOP OF FISH @ 1994'KB-TRIP CO ASSEMBLY & PICK UP FISHING TOOLS-SCREW INTO & JAR FISH FREE-PULL UP BIT SUB/BIT T/2050'KB (COLLAPSED CASING)-WAIT ON FREEPOINT & BACK OFF WIRELINE SERVICES

10/16/2005 00:00 - 10/17/2005 00:00

Last 24hr Summary

WAIT ON BACKOFF TRUCK-SHOOT 160 GRAIN CHARGE & BREAK CONNECTION @ 1567'KB-TRIP & BACKOFF @ 2915'KB W/ BIT @ 3401'KB-COOH W/ FISHING ASSEMBLY-MU 2" X 6-1/4" SWEDGE-GIH & SWEDGE CASING @ 2046-2050'KB-COOH & LAYDOWNSWEDGE-GIH W/ FISHING ASSEMBLY-COOH & FISHING ASSEMBLY & FISH

10/17/2005 00:00 - 10/18/2005 00:00

Last 24hr Summary

X-O 3-1/2" DC'S-MU BIT/BIT SUB-GIH W/ 6-1/4" DRLG ASSEMBLY-CLEANOUT R&R F/3179-T/3359'KB

10/18/2005 00:00 - 10/19/2005 00:00

Last 24hr Summary

R&R F/3359-T/3389'KB



Regulatory Summary
SAN JUAN 31 6 UNIT #209A

10/19/2005 00:00 - 10/20/2005 00:00

Last 24hr Summary

R&R F/3359-T/3419'KB

10/20/2005 00:00 - 10/21/2005 00:00

Last 24hr Summary

R&R F/3389-T/3419'KB

10/21/2005 00:00 - 10/22/2005 00:00

Last 24hr Summary

R&R F/3389-T/3500'KB

10/22/2005 00:00 - 10/23/2005 00:00

Last 24hr Summary

R&R T/3500'KB-DRY UP- PULL UP FLOW TEST-SIPBU & NATURAL SURGES

10/23/2005 00:00 - 10/24/2005 00:00

Last 24hr Summary

NATURAL SURGE #16-TRIP IN T/3178'KB/7" SHOE-FLOW TEST WHILE RIG REPAIR (CLUTCH)-

10/24/2005 00:00 - 10/25/2005 00:00

Last 24hr Summary

RIG REPAIR-REPLACE PISTON O'RING SEAL IN TOWNSEND BOP-CO/R&R

10/25/2005 00:00 - 10/26/2005 00:00

Last 24hr Summary

CO/R&R F/3300-3573'KB

10/26/2005 00:00 - 10/27/2005 00:00

Last 24hr Summary

TRIP OUT-QUARTERLY SAFETY MEETING-RUN 5-1/2" LINER-LDDP & DC'S

10/27/2005 00:00 - 10/27/2005 18:00

Last 24hr Summary

LDDC'S-PREP TBG-PERFORATE Kfc INTERVALS & RUN PROD TBG

10/28/2005 06:30 - 10/28/2005 18:00

Last 24hr Summary

ND BOPE-NU BONNET-ROD UP-UNABLE TO RIG DOWN UNIT

10/29/2005 07:00 - 10/29/2005 17:00

Last 24hr Summary

RIG REPAIR-(HYDRAULIC PUMP)-RIG DOWN-INSPECT DC'S-REPAIR SURGE TANK-RELEASE RIG @ 17:00, 10-29-2005-RESERVE & BLOW PIT
FENCED-DROP FROM REPORT-TURN OVER TO PRODUCTION OPERATIONS-"JOB COMPLETE"