

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 SEC 22 T30N R5W MER NMP NWNW 753FNL 1104FWL

At top prod. interval reported below

At total depth

14. Date Spudded
08/20/2004

15. Date T.D. Reached
10/10/2004

16. Date Completed
☐ D & S ☒ Ready to Prod.
10/14/2004

18. Total Depth: MD 3313
TVD 3313

19. Plug Back T.D.: MD 3312
TVD 3312

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	9.625 H-40	32.3	0	225		150		0	15 bbls
8.75	7.0 J-55	20.0	0	3093		485		0	40 BBLS
6.25	5.5 J-55	15.5	3050	3313		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	3278							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland	3184	3218	3184-3218	.75	96	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" from 3098' to 3313'. This well not cavitated.

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
10/14/04	10/13/04	1	→	0	913	0			Gas Pumping Unit
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
2" Pitot	n/a	2.25	→						

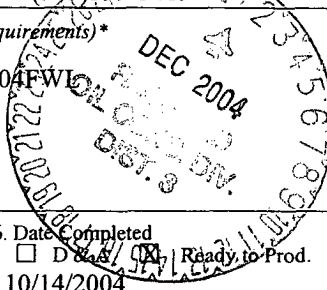
Production - Interval B

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

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

RECEIVED

070 FARMINGTON NM
(505) 599-3419



5. Lease Serial No.
SF078739

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

NMNM 78419D

8. Lease Name and Well No.

SAN JUAN 30-5 UNIT 234A

9. API Well No.

30-039-27806

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

11. Sec., T., R., M., on Block and
Survey or Area D Sec: 22 Twn: 30N

12. County or Parish
RIO ARRIBA

13. State
NM

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

6500' GL

ACCEPTED FOR RECORD

NOV 23 2004

FARMINGTON FIELD OFFICE

BY

NMOC

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	1428				
Ojo Alamo	2528				
Kirtland	2728				
Fruitland	3023				
Pictured Cliffs	3413				

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 FarrellTitle Regulatory Analyst

Signature

Juanita FarrellDate 10/23/2004

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.

END OF WELL SCHEMATIC

Well Name: San Juan 30-5 # 234A
 API #: 30-039-27806
 Location: 753' FNL & 1104' FWL
Sec. 22 - T30N - R5W
Rio Arriba County, NM
 Elevation: 6500' GL (above MSL)
 Drl Rig RKB: 13' above Ground Level
 Datum: Drl 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

Spud: 20-Aug-04
 Release Drl Rig: 25-Aug-04
 Move In Cav Rig: 7-Oct-04
 Date TD Reached: 9-Oct-04
 Release Cav Rig: 13-Oct-04

Surface Casing Date set: 22-Aug-04
 Size 9 5/8 in
 Set at 225 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 225 ft
 TD of 12-1/4" hole 235 ft

Notified BLM @ _____ hrs on 19-Aug-04
 Notified NMOCD @ _____ hrs on _____

Intermediate Casing Date set: 25-Aug-04
 Size 7 in 72 jts
 Set at 3093 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 160 %
 T.O.C. SURFACE Top of Float Collar 3049 ft
 Bottom of Casing Shoe 3093 ft
 Pup @ _____ ft TD of 8-3/4" Hole 3098 ft
 Pup @ _____ ft

Notified BLM @ 10:30 hrs on 23-Aug-04
 Notified NMOCD @ 10:30 hrs on 23-Aug-04

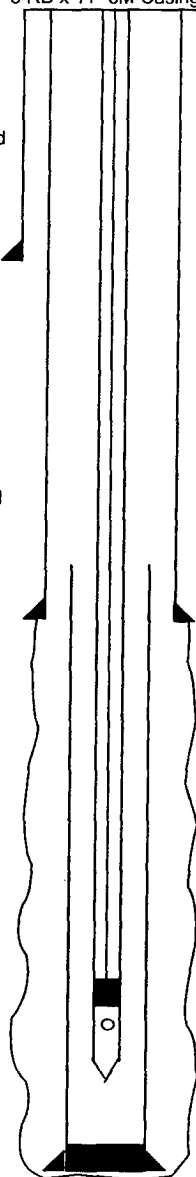
Production Liner Date set: 11-Oct-04
 Size 5 1/2 in
 Nominal Wt. 15.5 ppf
 Grade J-55 Connections: LTC
 # Jnts: 6
 Hole Size 6.25 / 9.5 inches
 Underreamed 6-1/4" hole to 9.5" from 3098' to 3313'
 Top of Liner 3050 ft
 PBTB 3312 ft
 Bottom of Liner 3313 ft

This well was NOT cavitated.

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used



TD 3,313 ft

Surface Cement

Date cmt'd: 22-Aug-04
 Lead : 150 sx Class A Cement
 + 3% Calcium Chloride
 + 0.25 lb/sx Flocele
1.18 cuft/sx, 177 cuft slurry at 15.6 ppg
 Displacement: 15.0 bbls fresh wtr
 Bumped Plug at: 05:00 hrs w/ 400 psi
 Final Circ Press: 80 psi @ 0.5 bpm
 Returns during job: YES
 CMT Returns to surface: 15 bbls
 Floats Held: No floats used
 W.O.C. for 7.00 hrs (plug bump to start NU BOP)
 W.O.C. for 14.00 hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 25-Aug-04
 Lead : 385 sx Class A Cement
 + 3% Ecnolite
 + 10.00 lb/sx Gilsonite
 + 0.25 lb/sx Flocele
2.91 cuft/sx, 1120 cuft slurry at 11.5 ppg
 Tail : 100 sx 50/50 POZ : Class A cement
 + 2% Bentonite
 + 5 lb/sx Gilsonite
 + 0.25 lb/sx Flocele
 + 2% Calcium Chloride
1.33 cuft/sx, 133 cuft slurry at 13.5 ppg
 Displacement: 123 bbls
 Bumped Plug at: 07:00 hrs w/ 1325 psi
 Final Circ Press: 690 psi @ 2 bpm
 Returns during job: YES
 CMT Returns to surface: 40 bbls
 Floats Held: X Yes ___ No

UNCEMENTED LINER

Schematic prepared by:
 Steven O. Moore, Drilling Engineer
 20-Oct-2004

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 @ 183'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 204', 141', 99', 59'. Total: 4
7" Intermediate	DISPLACED W/ 123 BBLs. DRILL WATER. CENTRALIZERS @ 3066', 2988', 2913', 2837', 2750', 2665', 210', 81', 38'. TURBOLIZERS @ 2622', 2579', 2535'. Total: 9 Total: 3
5.5" Liner	Ran 6-1/16" bladed shoe w/ float valve on btm of liner. Ran 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: 3184'-3190', 3192'-3200', 3205'-3211', 3214'-3218'. TOTAL SHOTS = 96.
Tubing	30.65' x 2-7/8" EUE 8rd box Orange Peeled Mud Anchor with eight each 0.25" x 8" slots just below the upset, 2-7/8" x 2-3/8" EUE 8rd crossover collar, 2-3/8" OD (1.78" ID) F-Nipple, 2' - 6' - 8' - 10' x 2-3/8" OD pup jts and 102 jts 2-3/8" 4.7# J-55 EUE 8rd tubing. Bottom of Mud Anchor at 3278'. F-Nipple at 3248' MD RKB.
Pump & Rods	12" long strainer attached below insert pump with 3 ea 25' x 1.25" OD sinker bars on top of pump 126 ea 3/4" OD rods, spaced out with 2' - 6' - 8' x 3/4" OD pony rods & 1 ea 1-1/4" OD x 22' polished rod and with 2' pony rod on top of polish rod. Set pump in F-Nipple at 3248' MD RKB

Operations Summary Report

Legal Well Name: SAN JUAN 30-5 UNIT 234A

Common Well Name: SAN JUAN 30-5 UNIT 234A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY

Spud Date: 8/20/2004

End: 10/13/2004

Start: 10/7/2004

Rig Release: 10/13/2004

Rig Number: 27

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/8/2004	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	PJSM AND JSA WITH ALL PERSONEL ON LOCATION. MOVE RIG AND SPOT EQUIPMENT, RIG UP, NIPPLE UP BOPS. MOVED TO THE SAN JUAN 30-5 #234A SEC 22 - T30N - R5W 753'FNL 1104'FWL NEAREST HELI PAD IS A LOCATION APPROXIMATELY 100 YARDS WEST OF THIS LOCATION. CALLED THE BLM HOTLINE PHONE FOR PRESSURE TEST @ 1045HRS, 10/7/2004 LEFT VOICE MAIL ON THE PHONE OF CHARLIE PERRIN WITH THE OCD @ 1050HRS ABOUT PRESSURE TEST. 10/7/2004
	07:30 - 19:00	11.50	MOVE	RURD	COMPZN	
10/9/2004	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION. RIG INSPECTION AND REPAIR GIGS. PRESSURE TEST CASING AND BLIND RAMS 300# LOW AND 1800# HIGH FOR 30 MIN. STATE INTEGRITY TEST. INSTALL TEST PLUG AND PRESSURE TEST BOTH SETS OF PIPE RAMS, HCR VALVES, AND ALL MANIFOLD VALVES. 300 # LOW FOR 10 MIN. AND 1800 # HIGH FOR 10 MIN. ALL OK INSPECT DRILL COLLARS AND ALL SUBS. GIH PU BHA 6 1/4" RERUN BIT, BIT SUB WITH DP FLOAT, 10 - 3 1/2" DC'S, 1JT OF 2 7/8" DP, 1-2 7/8" FN W / 1.87 PROFILE. PULL DRILL PIPE OUT OF PIPE BASKET AND TALLY. GIH PICKING UP 2 7/8 DP TO 3004'
	07:30 - 08:00	0.50	DRILL	SFTY	COMPZN	
	08:00 - 11:00	3.00	TREBOP	SFEQ	COMPZN	
	11:00 - 12:00	1.00	DRILL	OTHR	COMPZN	
	12:00 - 12:30	0.50	DRILL	PULD	COMPZN	
	12:30 - 13:30	1.00	DRILL	PULD	COMPZN	
	13:30 - 15:00	1.50	DRILL	PULD	COMPZN	
	15:00 - 16:00	1.00	STIMOP	SFEQ	COMPZN	
10/10/2004	16:00 - 17:00	1.00	DRILL	PULD	COMPZN	CHANGE STRIPPING RUBBER. SECURE WELL AND SHUT DOWN FOR THE NIGHT. PJSM WITH ALL PERSONEL ON LOCATION. PRESSURE TEST AIR LINES AND AIR MANIFOLD, 1200PSI HIGH FOR 10 MINUTES AND 200PSI LOW FOR 10 MINUTES. UNLOAD HOLE, ESTABLISH CIRCULATION, DRLG FLOAT COLLAR AND 46' OF CEMENT WITH 1500 CFM AIR, 5 TO 6 BPH MIST WITH 1/2 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. TAG FLOAT @ 3047' CSG SHOE @ 3091' TD 8 3/4 HOLE @ 3098' DRILLING FORMATION 3098' TO 3313' DRLG WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/2 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 310PSI ON STANDPIPE. 3184' - 3190' 6' 199 UNITS OF GAS 3162' - 3200' 8' 455 UNITS OF GAS 3208' - 3211' 3' 580 UNITS OF GAS 3213' - 3217' 4' 720 UNITS OF GAS
	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	
	07:30 - 08:00	0.50	DRILL	SFEQ	COMPZN	
	08:00 - 10:00	2.00	DRILL	OTHR	COMPZN	
	10:00 - 13:00	3.00	DRILL	DRLG	COMPZN	

Operations Summary Report

Legal Well Name: SAN JUAN 30-5 UNIT 234A

Common Well Name: SAN JUAN 30-5 UNIT 234A

Event Name: COMPLETION

Spud Date: 8/20/2004

Contractor Name: KEY ENERGY SVCS

Start: 10/7/2004

End: 10/13/2004

Rig Name: KEY

Rig Release: 10/13/2004

Group:

Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/10/2004	10:00 - 13:00	3.00	DRILL	DRLG	COMPZN	TOTAL COAL 21'
	13:00 - 14:00	1.00	DRILL	CIRC	COMPZN	BLOW HOLE CLEAN WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 320PSI ON STANDPIPE. WELL WAS MAKING 1 1/2 BUCKET PER HOUR OF COAL, DOWN TO 1/2 BUCKET PER HOUR OF COAL. WELL IS MAKING APPROXIMATELY 1/2 BBL OF WATER PER HOUR.
	14:00 - 14:30	0.50	DRILL	CIRC	COMPZN	TURN OFF MIST PUMP AND BLOW WELL DRY.
	14:30 - 15:00	0.50	DRILL	PULD	COMPZN	NO WATER TO SURFACE OR TSTM.
	15:00 - 16:00	1.00	FLOWT	PRDT	COMPZN	PULL UP INTO CASING LAYING DOWN 9 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
	16:00 - 17:30	1.50	FLOWT	SIPB	COMPZN	2" OPEN FLOW TEST INITIAL PRESSURE 3 # ON GAUGE 0.75 # 539 MCFD 15 MINUTES - 5 # ON GAUGE 1.25 # 687 MCFD 30 MINUTES - 5 # ON GAUGE 1.25 # 687 MCFD 45 MINUTES - 5 # ON GAUGE 1.25 # 687 MCFD 60 MINUTES - 5 # ON GAUGE 1.25 # 687 MCFD
	17:30 - 19:00	1.50	DRILL	TRIP	COMPZN	SHUT IN TEST INSP 20 PSI
	19:00 - 19:30	0.50	DRILL	SFTY	COMPZN	15 MINUTES 140 PSI
	19:30 - 21:00	1.50	DRILL	TRIP	COMPZN	30 MINUTES 170 PSI
	21:00 - 21:30	0.50	DRILL	PULD	COMPZN	45 MINUTES 190 PSI
	21:30 - 01:00	3.50	DRILL	UREM	COMPZN	60 MINUTES 195 PSI 75 MINUTES 195 PSI RELEASE AS NATURAL SURGE, LET WELL BLOW DOWN.
	01:00 - 02:00	1.00	DRILL	CIRC	COMPZN	TRIP OUT OF HOLE. PJSM AND JSA WITH ALL PERSONEL ON LOCATION
	02:00 - 03:00	1.00	DRILL	CIRC	COMPZN	PICK UP SHOCK SUB AND UNDER REAMER AND TRIP IN HOLE.
	03:00 - 03:30	0.50	STIMOP	PULD	COMPZN	PICK UP AND RIG UP POWER SWIVEL.
	03:30 - 04:30	1.00	FLOWT	PRDT	COMPZN	UNDER REAM 6 1/4 HOLE TO 9 1/2 HOLE FROM 3098' TO 3313' WITH 1500 CFM AIR, 8 BPH MIST WITH 1/2 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 620PSI ON STANDPIPE.
	04:30 - 06:00	1.50	STIMOP	TRIP	COMPZN	BLOW HOLE CLEAN WITH 1500 CFM AIR, 8 BPH MIST WITH 1/4 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER. 620PSI ON STANDPIPE.
10/11/2004	06:00 - 07:00	1.00	STIMOP	TRIP	COMPZN	WELL IS MAKING APPROXIMATELY 1/2 BBL OF WATER PER HOUR.
	07:00 - 07:30	0.50	STIMOP	PULD	COMPZN	TURN OFF MIST PUMP AND DRY UP HOLE.
						PULL UP INTO CASING LAYING DOWN 9 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
						2" OPEN FLOW TEST INITIAL PRESSURE 4 # ON GAUGE 1.00 # 615 MCFD 15 MINUTES - 9 # ON GAUGE 2.25 # 913 MCFD 30 MINUTES - 9 # ON GAUGE 2.25 # 913 MCFD 45 MINUTES - 9 # ON GAUGE 2.25 # 913 MCFD 60 MINUTES - 9 # ON GAUGE 2.25 # 913 MCFD
						TRIP OUT OF HOLE TO LAY DOWN UNDER REAMER.
						PICK UP BIT AND BIT SUB AND TRIP IN HOLE TO 3168'.
						PICK UP AND RIG UP POWER SWIVEL.

Operations Summary Report

Legal Well Name: SAN JUAN 30-5 UNIT 234A

Common Well Name: SAN JUAN 30-5 UNIT 234A

Event Name: COMPLETION

Start: 10/7/2004

Spud Date: 8/20/2004

Contractor Name: KEY ENERGY SVCS

Rig Release: 10/13/2004

End: 10/13/2004

Rig Name: KEY

Rig Number: 27

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/11/2004	07:30 - 09:00	1.50	STIMOP	SIPB	COMPZN	SHUT IN TEST INSP 10 PSI 15 MINUTES 140 PSI 30 MINUTES 170 PSI 45 MINUTES 180 PSI 60 MINUTES 185 PSI 75 MINUTES 185 PSI 90 MINUTES 185 PSI RELEASE AS NATURAL SURGE #2, LET WELL BLOW DOWN.
	09:00 - 20:30	11.50	STIMOP	OTHR	COMPZN	NATURAL SURGE, #3 185PSI 60MIN #4 185PSI 60MIN #5 188PSI 60MIN #6 188PSI 60MIN #7 192PSI 120MIN LEFT SURGE #7 CLOSED IN DUE TO WIND DIRECTION.
	20:30 - 21:30	1.00	STIMOP	CIRC	COMPZN	CIRCULATE WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/2 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER.
	21:30 - 22:00	0.50	STIMOP	PULD	COMPZN	GIH PICKING UP DRILL PIPE WITH POWER SWIVEL TAG @ 3303'
	22:00 - 02:30	4.50	STIMOP	CIRC	COMPZN	CIRCULATE AND CONDITION HOLE WITH 1100 CFM AIR, 5 TO 6 BPH MIST WITH 1/2 GAL CORROSION INHIBITOR, 1 GAL 450 FOAMER PER 10 BARRELS OF WATER.
	02:30 - 03:00	0.50	STIMOP	CIRC	COMPZN	TURN OFF MIST PUMP AND DRY UP HOLE.
	03:00 - 03:30	0.50	STIMOP	PULD	COMPZN	WELL IS MAKING APPROXIMATELY 1/2 BBL OF WATER PER HOUR.
	03:30 - 04:30	1.00	FLOWT	PRDT	COMPZN	PULL UP INTO CASING LAYING DOWN 8 JOINTS OF DRILL PIPE WITH POWER SWIVEL.
						2" OPEN FLOW TEST INITIAL PRESSURE 4 # ON GAUGE 1.00 # 615 MCFD 15 MINUTES - 9 # ON GAUGE 2.25 # 913 MCFD 30 MINUTES - 9 # ON GAUGE 2.25 # 913 MCFD 45 MINUTES - 9 # ON GAUGE 2.25 # 913 MCFD 60 MINUTES - 9 # ON GAUGE 2.25 # 913 MCFD
						TRIP OUT OF HOLE TO RUN 5 1/2 LINER.
10/12/2004	04:30 - 06:00	1.50	CASING	TRIP	COMPZN	TRIP OUT OF HOLE TO RUN 5 1/2 LINER.
	06:00 - 07:00	1.00	STIMOP	TRIP	COMPZN	TRIP OUT OF HOLE TO RUN 5 1/2 LINER.
	06:00 - 07:30	1.50	STIMOP	OTHR	COMPZN	RIG UP FLOOR TO RUN LINER. CHANGE #1 RAMS TO 5 1/2 AND TEST. WAIT ON DAYLIGHT CREW.
	07:30 - 08:00	0.50	STIMOP	SFTY	COMPZN	PJSM AND JSA FOR RUNNING LINER AND TRIPPING IN THE HOLE WITH DRILL PIPE WITH ALL PERSONEL ON LOCATION.
	08:00 - 10:30	2.50	CASING	PUTB	COMPZN	GIH W/ 5-1/2" 15.5 PPF J-55 LT&C CASING / LINER AS FOLLOWS: 6-1/16" OD BLADED SHOE W/ FLOAT VALVE - 1.00' 6- JTS 5-1/2" CASING - 260.05' 6-1/8" TIW "H" ROTATING SET COLLAR - 2.40' TOTAL LINER ASSEMBLY - 263.45' GIH W/ TOTAL OF 89 JTS 2-7/8" DRILLPIPE T/3098'KB.

Operations Summary Report

Legal Well Name: SAN JUAN 30-5 UNIT 234A

Common Well Name: SAN JUAN 30-5 UNIT 234A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY

Spud Date: 8/20/2004

End: 10/13/2004

Start: 10/7/2004

Rig Release: 10/13/2004

Rig Number: 27

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/12/2004	08:00 - 10:30	2.50	CASING	PUTB	COMPZN	PICK UP SINGLE JOINTS OF DP-GIH W/ 5-1/2" LINER ASSEMBLY F/3098" & TAG UP @ 3313'KB,3312'PBTD. SET 5-1/2" LINER ASSEMBLY F/ 3050-3313'KB EOL-W/ PBTD @ 3312'KB- RELEASE OFF OF LINER ASSEMBLY TOL @ 3050'KB.
	10:30 - 14:00	3.50	CASING	PULD	COMPZN	LAY DOWN DRILL PIPE.
	14:00 - 15:00	1.00	STIMOP	OTHR	COMPZN	CHANGE AND TEST #1 PIPE RAMS TO 2 3/8.
	15:00 - 17:00	2.00	STIMOP	OTHR	COMPZN	PJSM, JSA WITH TRUCKING FOR UNLOADING TUBING, UNLOAD 2 3/8 TUBING STRAP AND PREP TO RUN.
	17:00 - 18:00	1.00	STIMOP	OTHR	COMPZN	SECURE WELL LOCK UP EQUIPMENT, SHUT DOWN FOR THE NIGHT.
10/13/2004	06:00 - 09:00	3.00	STIMOP	SFTY	COMPZN	SAFETY MEETING AT KEY YARD WITH ALL CAV RIGS, TRAVEL TO LOCATION.
	09:00 - 09:30	0.50	PERFOP	SFTY	COMPZN	PJSM AND JSA WITH ALL PERSONEL ON LOCATION.
	09:30 - 11:00	1.50	STIMOP	PERF	COMPZN	RIG UP BLUE JET AND TEST LUBRICATOR TO 200PSI. PERFORATE AT FOLLOWING INTERVALS. 3214' - 3218' = 4' 16 SHOTS 3205' - 3211' = 6' 24 SHOTS 3192' - 3200' = 8' 32 SHOTS 3184' - 3190' = 6' 24 SHOTS 4 SHOTS PER FOOT, 96 TOTAL SHOTS. 3 WIRELINE RUNS. 1 MISS RUN.
	11:00 - 12:30	1.50	FLOWT	PRDT	COMPZN	BLOW WELL DOWN AND FLOW TEST. 2" OPEN FLOW TEST SIBU 200PSI
	12:30 - 14:30	2.00	STIMOP	RCST	COMPZN	60 MINUTES - 9# ON GAUGE 2.25# 913 MCFD GIH W/ 30.65' X 2-7/8" 8RD EUE BOX ORANGE PEELED MUD ANCHOR W/ 8-(1/4" X 8") SLOTS, 2-7/8" X 2-3/8" EUE 8RD X-O COLLAR (0.46"), W/ 0.85' x 2-3/8" OD X 1.78" ID "F" NIPPLE CONTAINING BLANKING PLUG W/ 2-3/8" X 2', 6', 8', 10', PUP JOINTS- W/ 102 JTS 2-3/8" EUE 8RD 4.7 PPF J-55 TBG MEASURING (3209.32")- LAND TBG W/ 2-3/8" EUE 8RD X 7-1/16" TBG HGR CONTAINING A BPV EOT / MUD ANCHOR @ 3278'KB 1.78" FN @ 3248'KB.
10/14/2004	14:30 - 18:00	3.50	STIMOP	NUND	COMPZN	RIG DOWN FLOOR, NIPPLE DOWN AND LOAD OUT BOPS. NIPPLE UP RADAGAN AND RIG UP TO RUN RODS. SECURE WELL AND SHUT DOWN FOR THE NIGHT.
	07:00 - 07:30	0.50	STIMOP	SFTY	COMPZN	PJSM WITH ALL PERSONEL ON LOCATION.
	07:30 - 09:30	2.00	STIMOP	SLKL	COMPZN	TEST LUBRICATOR TO 200PSI, PULL BLANKING PLUG FROM F-NIPPLE WITH SLICKLINE.
	09:30 - 10:00	0.50	STIMOP	OTHR	COMPZN	RIG UP FLOOR TO RUN RODS.
	10:00 - 13:00	3.00	STIMOP	ALFT	COMPZN	BLOW WELL DOWN. RU TO RUN RODS- FUNCTION TEST INSERT PUMP (OK)-

Operations Summary Report

Legal Well Name: SAN JUAN 30-5 UNIT 234A

Common Well Name: SAN JUAN 30-5 UNIT 234A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY

Spud Date: 8/20/2004

End: 10/13/2004

Start: 10/7/2004

Rig Release: 10/13/2004

Rig Number: 27

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
10/14/2004	10:00 - 13:00	3.00	STIMOP	ALFT	COMPZN	GIH W/ 12" STRAINER ATTACHED BELOW 2" X 1 1/4" X 12' RHAC-ZDV INSERT PUMP SN: (CP189) W/ 3 SINKER BARS AND 126 3/4" NORRIS, TYPE 78, API GRADE "D" RODS & SPACE OUT W/ 2', 6', 8', PONY RODS, RUN 1 1/4" X 22' POLISHED ROD W/ 2' PONY ROD ON TOP. RIG UP ABOVE 2-3/8" COLLAR 1-1/4" ROD RATAGAN, 2-3/8" PUMPING TEE W/ 2" & 1" OUTLETS W/ BALL VALVES, STUFFING BOX. PUMP SEATED @ 3248'KB, FN. LOAD TBG W/ 12 BBLs CLEAN PRODUCED Kfc WATER-PT STANDING VALVE, TBG, STUFFING BOX T/ 500 PSIG (OK)-STROKE PUMP T/500 PSIG & CHECK TRAVELING VALVE (OK). HANG OFF PUMP.
	13:00 - 17:00	4.00	STIMOP	RURD	COMPZN	RIG DOWN AND PREPARE TO MOVE RIG. RIG RELEASED @ 1700 HRS TO THE SAN JUAN 30-5 #243A