

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. Resrv.
Other _____

2. Name of Operator
ConocoPhillips Company

3. Address
5525 Highway 64 Farmington NM 87401

3.a Phone No. (Include area code)
(505)599-3419

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

At Surface SEC 30 T32N 8W MER NMP SENW 2035 FNL 705 FWL

At top prod. interval reported below

At total depth

14. Date Spudded
08/18/2004

15. Date T.D. Reached
09/08/2004

16. Date Completed
☐ D & A ☒ Ready to Prod.
09/27/2004

5. Lease Serial No.
SF079341A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

NMNM 78424B

8. Lease Name and Well No.

SAN JUAN 32-8 UNIT 239A

9. API Well No.

30-045-32396

10. Field and Pool, or Exploratory

BASIN FRUITLAND COAL

11. Sec., T., R., M., on Block and
Survey or Area F Sec: 30 Twn: 32N

12. County or Parish
SAN JUAN

13. State
NM

17. Elevations (DF, RKB, RT, GL)*
6679

18. Total Depth: MD 3640
TVD 3640

19. Plug Back T.D.: MD 3638
TVD 3638

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	230		150		0	15 bbls
8.75	7.0 J-55	20.0	0	3205		520		0	25 BBLs
6.25	5.5 J-55	15.5	3184	3640		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)
2.875	3628							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Basin Fruitland	3232	3565	3232-3565	.75	344	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 3212' to 3640'. Cavitated well.

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
09/27/04	09/25/04	1.5	➡	0	2640	2			Gas Pumping Unit
Choice Size	Tbg. Press. Flwg. SI	Csg. Press. n/a	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
2" Pitot		17.5	➡					Gas Well Shut-in	ACCEPTED FOR RECORD

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	001 2 8 2004
			→							
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	FARMINGTON FIELD OFFICE BY <u>SB</u>	
			→							

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

NMOCD

ACCEPTED FOR RECORD

SEP 28 2004

FARMINGTON FIELD OFFICE
BY *[Signature]*

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	648				
Ojo Alamo	2157				
Kirtland	2257				
Fruitland	3104				
Pictured Cliffs	3560				

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

Date 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.

NMOC

END OF WELL SCHEMATIC

Well Name: San Juan 32-8 # 239A

API #: 30-045-32396

Location: 2035' FNL & 705' FWL

Sec. 30 - T32N - R8W

San Juan County, NM

Elevation: 6679' GL (above MSL)

Drl Rig RKB: 13' above Ground Level

Datum: Drl Rig RKB = 13' above GL

Spud: 18-Aug-04

Release Drl Rig: 22-Aug-04

Move In Cav Rig: 31-Aug-04

Release Cav Rig: 26-Sep-04

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

Surface Casing Date set: 19-Aug-04

Size 9 5/8 in

Set at 230 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 230 ft

TD of 12-1/4" hole 240 ft

Notified BLM @ 15:15 hrs on 17-Aug-04

Notified NMOCD @ 15:18 hrs on 17-Aug-04

Intermediate Casing Date set: 21-Aug-04

Size 7 in 74 jts

Set at 3205 ft 0 pups

Wt. 20 ppf Grade J-55

Hole Size 8 3/4 in Conn STC

Excess Cmt 160 % Top of Float Collar 3159 ft

T.O.C. SURFACE Bottom of Casing Shoe 3205 ft

Pup @ TD of 8-3/4" Hole 3205 ft

Pup @

Notified BLM @ 10:00 hrs on 20-Aug-04

Notified NMOCD @ 10:00 hrs on 20-Aug-04

Production Liner Date set: 23-Sep-04

Size 5 1/2 in

Nominal Wt. 15.5 ppf

Grade J-55

Jnts: 10

Hole Size 6.25 / 9.5 inches

Underreamed 6-1/4" hole to 9.5" from 3212' to 3640'

Top of Liner 3184 ft

PBDT 3638 ft

Bottom of Liner 3640 ft

This well was cavitated.

TD 3,640 ft

Surface Cement

Date cmt'd: 19-Aug-04

Lead: 150 sx Class G Cement

+ 2% BWOC S001 CaCl2

+ 0.25 lb/sx D029 Cellophane Flakes

1.16 cuft/sx, 174 cuft slurry at 15.8 ppg

Displacement: 14.7 bbls fresh wtr

Bumped Plug at: 10:05 hrs w/ 768 psi

Final Circ Press: 141 psi @ 0.5 bpm

Returns during job: YES

CMT Returns to surface: 15 bbls

Floats Held: No floats used

W.O.C. for 6.00 hrs (plug bump to start NU BOP)

W.O.C. for hrs (plug bump to test csg)

Intermediate Cement

Date cmt'd: 22-Aug-04

Lead: 420 sx Class G Cement

+ 3% D079 Extender

+ 0.25 lb/sx D029 Cellophane Flakes

+ 0.2% D046 Antifoam

+ 0.05 gal/sx D047 Antifoam

2.61 cuft/sx, 1096.2 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: 128.0 bbls

Bumped Plug at: 00:30 hrs w/ 1350 psi

Final Circ Press: 710 psi @ 2.0 bpm

Returns during job: YES

CMT Returns to surface: 25 bbls

Floats Held: X Yes ___ No

UNCEMENTED LINER

Schematic prepared by:
Steven O. Moore, Drilling Engineer
28-Sept-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 @ 187'. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 221', 143', 99', 59'. Total: 4
7" Intermediate	DISPLACED W/ 128 BBLs. FRESH WATER. CENTRALIZERS @ 3195', 3112', 3032', 2946', 2860', 2774', 210', 84', 40'. TURBOLIZERS @ 2260', 2217', 2174', 2131'. Total: 9 Total: 4
5.5" Liner	Ran 6-1/4" bit & bit sub w/ float 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: 3228'-3232', 3240'-3246', 3254'-3258', 3272'-3276', 3284'-3290', 3348'-3353', 3356'-3364', 3386'-3389', 3418'-3426', 3428'-3434', 3447'-3456', 3458'-3462', 3464'-3470', 3481'-3491', 3562'-3565'. TOTAL SHOTS = 344.
Tubing	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 expendable check, 2-3/8" OD (1.78" ID) F-Nipple, 113 jts 2-3/8" 4.7# J-55 EUE 8rd tubing and w/ 2' - 6' - 8' x 2-3/8" EUE 8rd subs under top jt of tubing. Bottom of Mud Anchor at 3628'. F-Nipple at 3596' MD RKB.
Pump	12" long strainer attached below 1-1/2" RWAC-Z insert pump with 3 ea 25' x 1-1/4" OD sinker bars on top of pump
&	140 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
Rods	Set pump in F-Nipple at 3596' MD RKB

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A

Common Well Name: SAN JUAN 32-8 UNIT 239A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 18

Spud Date: 8/18/2004

Start: 8/27/2004

End:

Rig Release: 9/26/2004

Group:

Rig Number: 18

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/1/2004	07:00 - 07:30	0.50	MOVE	SFTY	DEMOB	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS
	07:30 - 09:00	1.50	MOVE	DMOB	DEMOB	LOAD OUT EQUIPMENT ON FLOATS
	09:00 - 12:00	3.00	MOVE	DMOB	DEMOB	MOVING RIG & EQUIPMENT TO LOCATION
	12:00 - 18:30	6.50	MOVE	MOB	MIRU	MIRU KEY RIG # 18 & EQUIPMENT
	18:30 - 19:00	0.50	MOVE	MOB	MIRU	SECURED LOCATION & S.D.O.N.
9/2/2004	07:00 - 07:30	0.50	MOVE	SFTY	DEMOB	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS
	07:30 - 14:30	7.00	MOVE	MOB	MIRU	RU & NU BOP'S, HCR VALVES, CHOKE MANIFOLD & LINES, BLOOEI LINES, ALL GROUND LINES
	14:30 - 15:00	0.50	MOVE	MOB	MIRU	SECURED LOCATION & S.D.O.N. = FOR KEY & COPC SAFETY DINNER
9/3/2004	07:00 - 07:30	0.50	MOVE	SFTY	MIRU	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS
	07:30 - 09:00	1.50	MOVE	RURD	MIRU	RU GROUND LINE'S
	09:00 - 10:00	1.00	EVALFM	PRTS	COMPZN	TEST 7" CSG, BLIND RAMS & CHOKE MANIFOLD = 275# 10 MIN'S & 1800# 30 MIN'S = GOOD TEST
	10:00 - 12:00	2.00	EVALFM	PULD	COMPZN	PU PIPE OUT OF PIPE BASKET & PUT ON PIPE RACK = TALLY PIPE
	12:00 - 15:00	3.00	EVALFM	PULD	COMPZN	GIH PU 6 1/4" RERUN BIT, BIT SUB, 16-3 1/2" DC'S, 1-2 7/8" DP, 1-2 7/8" 1.81 FN & DP TO 3250'
9/8/2004	15:00 - 16:30	1.50	EVALFM	RURD	COMPZN	PU & MU POWER SWIVEL
	16:30 - 18:00	1.50	EVALFM	PRTS	COMPZN	TEST PIPE RAMS, HCR VALVE'S & STACK = 325# 10 MIN'S & 1800# 10 MIN'S = GOOD TEST
	18:00 - 19:00	1.00	EVALFM	OTHR	COMPZN	SECURED WELL & LOCATION = SHUT DOWN OVER HOLIDAY
	07:00 - 07:30	0.50	EVALFM	SFTY	PROD1	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS
	07:30 - 08:00	0.50	EVALFM	OTHR	PROD1	START & WARM ENGINES & EQUIPMENT
	08:00 - 10:00	2.00	EVALFM	OTHR	PROD1	UNLOAD HOLE W / AIR ASSIST = DRILL OUT CMT, 7" FLOAT COLLAR & SHOE T/3205' INTERMEDIATE TD
	10:00 - 10:30	0.50	EVALFM	CIRC	PROD1	CIRC & CORRELATE W / MUD LOGGERS
	10:30 - 00:00	13.50	EVALFM	OTHR	PROD1	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS
						= DRILLING AHEAD W / 6 1/4" RERUN BIT F/3205'-T/3640' TD W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 250# DP PRESSURE, 4 TO 6 POINTS ON BIT
	00:00 - 00:30	0.50	EVALFM	CIRC	PROD1	CIRC & CORRELATE W / MUD LOGGERS = COAL INTERVAL'S & GAS UNIT'S AS FOLLOWS
						3227'-32' = 5 FT = 20 TO 40 GAS UNITS
						3240'-46' = 6 FT = 20 TO 40 GAS UNITS
						3253'-56' = 3 FT = 20 TO 40 GAS UNITS
						3273'-75' = 2 FT = 20 TO 40 GAS UNITS
						3284'-86' = 2 FT = 20 TO 40 GAS UNITS
						3288'-89' = 1 FT = 20 TO 40 GAS UNITS
						3358'-60' = 2 FT = 637 GAS UNIT'S
						3361'-66' = 5 FT = 637 TO 770 GAS UNITS
						3387'-89' = 2 FT = 650 GAS UNIT'S
						3417'-26' = 9 FT = 750 GAS UNIT'S
						3428'-33' = 5 FT = 789 GAS UNIT'S
						3447'-51' = 4 FT = 789 GAS UNIT'S
						3452'-56' = 4 FT = 789 GAS UNIT'S
						3458'-61' = 3 FT = 867 GAS UNIT'S
						3463'-70' = 7 FT = 867 TO 882 GAS UNIT'S
						3481'-84' = 3 FT = 984 GAS UNIT'S
						3485'-89' = 4 FT = 984 GAS UNIT'S
						3490'-91' = 1 FT = 984 GAS UNIT'S
						3561'-65' = 4 FT = 1004 GAS UNIT'S

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A
 Common Well Name: SAN JUAN 32-8 UNIT 239A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 18

Spud Date: 8/18/2004
 Start: 8/27/2004
 End:
 Rig Release: 9/26/2004
 Group:
 Rig Number: 18

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/8/2004	00:00 - 00:30	0.50	EVALFM	CIRC	PROD1	TOTAL NET COAL = 72 FT R&R C/O T/3640' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR, 1 TO 2 POINT'S ON BIT, 250# DP PRESSURE, 65 RPM'S = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 1 BPH WATER GAIN = 3 DOWN TO 1/2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 80% COAL & FINE'S, 10% SHALE, 10% SANDSTONE = UNABLE TO DRY UP WELLBORE
	00:30 - 03:30	3.00	EVALFM	OTHR	PROD1	
	03:30 - 04:00	0.50	EVALFM	TRIP	PROD1	PUH INSIDE 7" CSG W / BHA LAYING DOWN JT'S OF DP W / POWER SWIVEL
	04:00 - 05:00	1.00	EVALFM	PRDT	PROD1	2" OPEN FLOW TEST W / PITOT TUBE TIME = MANIFOLD = PITOT = MCFD = WATER 15 MIN'S = 8.00# = 2.00# = 869 = NO WATER 30 MIN'S = 10.00# = 2.50# = 970 = LIGHT MIST 45 MIN'S = 12.00# = 3.00# = 1065 = LIGHT MIST 1 HR = 12.00# = 3.00# = 1065 = LIGHT MIST
	05:00 - 06:00	1.00	EVALFM	SIPB	PROD1	SHUT IN TO BUILD UP PRESSURE TIME = PRESSURE ISIP = 20# 15 MIN'S = 160# 30 MIN'S = 250# 45 MIN'S = 290# 1 HR = 305#
9/9/2004	06:00 - 07:00	1.00	EVALFM	SIPB	PROD1	SHUT IN TO BUILD UP PRESSURE TIME = PRESSURE 1:15 MIN'S = 315# 1:30 MIN'S = 320# 1:45 MIN'S = 325# 2:00 HR'S = 328#
	07:00 - 07:15	0.25	EVALFM	SFTY	PROD1	SAFETY MEETING & JSA REVIEW'S @ START OF ALL OPERATION'S
	07:15 - 07:30	0.25	EVALFM	RURD	PROD1	HANG BACK POWER SWIVEL & TIE BACK ON TWO LINE'S
	07:30 - 09:15	1.75	EVALFM	TRIP	PROD1	COOH W / DP, DC'S & BHA
	09:15 - 09:30	0.25	EVALFM	SFTY	PROD1	SAFETY MEETING & JSA REVIEW'S @ START OF ALL OPERATION'S
	09:30 - 09:45	0.25	EVALFM	PULD	PROD1	PU & MU BAKER 9 1/2" ROLLER-CONE UNDER-REAMER
	09:45 - 11:15	1.50	EVALFM	TRIP	PROD1	RIH W / BIT, UNDER-REAMER, SHOCK-SUB, DC'S & DP T/3215'
	11:15 - 11:30	0.25	EVALFM	RURD	PROD1	TIE BACK ON ONE LINE & PU POWER SWIVEL
	11:30 - 12:00	0.50	EVALFM	CIRC	PROD1	BREAK CIRC & OPEN UNDER-REAMER ARM'S @ 3212' W / AIR ASSIST
	12:00 - 21:00	9.00	EVALFM	OTHR	PROD1	UNDER-REAM 6 1/4" HOLE TO 9 1/2" HOLE F/3212'-T/3640' TD W / 1600 TO 1800 SCFM AIR, 8 TO 10 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 800# ON CHART @ COMPRESSOR'S & 700# ON GAGE @ RIG FLOOR, 4 TO 6 POINT'S ON BIT, 75 RPM'S = RETURN'S TO SURFACE, MED COAL, FINE'S, SHALE & SANDSTONE
	21:00 - 22:00	1.00	EVALFM	OTHR	PROD1	CIRC & CLEAN UP WELLBORE = NOT ABLE TO DRY UP WELL
	22:00 - 22:30	0.50	EVALFM	TRIP	PROD1	PUH INSIDE 7" CSG W / BHA LAYING DOWN DP W / POWER SWIVEL
	22:30 - 23:30	1.00	EVALFM	PRDT	PROD1	2" OPEN FLOW TEST W / PITOT TUBE TIME = MANIFOLD = PITOT TUBE = MCFD = WATER 15 MIN'S = 10# = 2.50# = 970 = LIGHT MIST

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A
 Common Well Name: SAN JUAN 32-8 UNIT 239A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 18

Start: 8/27/2004 Spud Date: 8/18/2004
 Rig Release: 9/26/2004 End:
 Rig Number: 18 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/9/2004	22:30 - 23:30	1.00	EVALFM	PRDT	PROD1	30 MIN'S = 12# = 3.00# = 1065 = LIGHT MIST 45 MIN'S = 14# = 3.50# = 1150 = MED MIST 1 HR = 14# = 3.50# = 1150 = MED MIST
	23:30 - 00:30	1.00	EVALFM	SIPB	PROD1	SHUT IN TO BUILD UP PRESSURE TIME = PRESSURE ISIP = 25# 15 MIN'S = 170# 30 MIN'S = 255# 45 MIN'S = 300# 1 HR = 310#
	00:30 - 02:00	1.50	EVALFM	TRIP	PROD1	COOH W / DP, DC'S & UNDER-REAMER & BHA
	02:00 - 02:15	0.25	EVALFM	PULD	PROD1	RD UNDER-REAMER & PU BIT
	02:15 - 03:45	1.50	EVALFM	TRIP	COMPZN	RIH W / BIT, BIT SUB, DC'S & DP T/3200'
	03:45 - 04:00	0.25	EVALFM	RURD	COMPZN	TIE BACK ON ONE LINE & PU POWER SWIVEL
	04:00 - 06:00	2.00	EVALFM	OTHR	COMPZN	R&R C/O T/3566' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 350# ON CHART @ COMPRESSOR'S & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPM'S, 1 TO 4 POINT'S ON BIT = RETURN'S TO SURFACE, MED TO LIGHT COAL, FINE'S, SHALE & SANDSTONE W / 1 BPH WATER GAIN = 4 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 70% COAL, 15% SHALE, 15% SANDSTONE
9/10/2004	06:00 - 08:30	2.50	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEW'S @ START OF ALL OPERATION'S = R&R C/O T/3566' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 350# ON CHART @ COMPRESSOR'S & 250# ON GAGE @ RIG FLOOR, 1 TO 3 POINT'S ON BIT, 65 RPM'S = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / 1 BPH WATER GAIN = 1 TO 1/2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 80% COAL, 10% SHALE & 10% SANDSTONE
	08:30 - 09:00	0.50	EVALFM	TRIP	COMPZN	PUH INSIDE 7" CSG W / BHA LAYING DOWN JT'S OF DP W / POWER SWIVEL
	09:00 - 09:30	0.50	EVALFM	SFTY	COMPZN	BOP DRILL & SAFETY MEETING @ START OF OPERATION'S
	09:30 - 13:00	3.50	EVALFM	OTHR	COMPZN	SURGE'S # 1 - # 2 - # 3 HYDRAULIC @ 1400# DP PRESSURE & 950# TO 1100# CSG PRESSURE, PUMPING 1 BPM WATER & 1800# AIR ASSIST W / 3 GAL'S OF FOAMER AHEAD & DROPPING AIR 3 TIME'S TO DROP DP PRESSURE = RELEASED SURGE'S, RETURN'S TO SURFACE, CLEAR FOAM WATER TO BACK FOAM WATER & VERY LIGHT COAL = NO BREAK-OVER POINT
	13:00 - 13:30	0.50	EVALFM	TRIP	COMPZN	RIH FROM 7" CSG PU JT'S OF DP W / POWER SWIVEL TAG @ 3545'
	13:30 - 15:30	2.00	EVALFM	OTHR	COMPZN	R&R C/O F/3545'-T/3566' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 350# ON CHART @ COMPRESSOR'S & 250# ON GAGE @ RIG FLOOR, 1 TO 4 POINT'S ON BIT, 65 TO 75 RPM'S = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / 1 BPH WATER GAIN = 3 TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL, 5% SHALE, 5% SANDSTONE
	15:30 - 16:00	0.50	EVALFM	TRIP	COMPZN	PUH INSIDE 7" CSG W / BHA LAYING DOWN DP W / POWER SWIVEL
	16:00 - 23:00	7.00	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEW'S @ START OF ALL OPERATION'S = SURGE'S # 4 - # 5 - # 6 - # 7 - # 8 HYDRAULIC @ 1350# to 1500# DP PRESSURE & 1150# TO 1350# CSG PRESSURE, NO BREAK-OVER POINT, PUMPING 1600 TO 1800 SCFM AIR, 1 BPM

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A
 Common Well Name: SAN JUAN 32-8 UNIT 239A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 18

Start: 8/27/2004 End: 8/18/2004
 Rig Release: 9/26/2004 Group:
 Rig Number: 18

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/10/2004	16:00 - 23:00	7.00	EVALFM	OTHR	COMPZN	WATER, 3 GAL'S OF FOAMER AHEAD, CUTTING OFF AIR TO DROP DP PRESSURE = RELEASED SURGE'S RETURN'S TO SURFACE, CLEAR FOAM WATER ON 4, 5, 6 BUT BLACK FOAM WATER W / MED COAL & FINE'S ON SURGE # 7 & # 8
	23:00 - 23:30	0.50	EVALFM	TRIP	COMPZN	RIH FROM 7" CSG PU JT'S OF DP W / POWER SWIVEL TAG @ 3360'
	23:30 - 06:00	6.50	EVALFM	OTHR	COMPZN	R&R C/O F/3360'-T/3436' W / 1100 SCF AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 350# ON CHART @ COMPRESSOR'S & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPM'S, 2 TO 6 POINT'S ON BIT = RETURN'S TO SURFACE, MED COAL & FINE'S W / 1.5 BPH WATER GAIN = 7 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
9/11/2004	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	R&R C/O F/3436'-T/3566' W / 1100 TO 1500 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 350# ON CHART @ COMPRESSOR'S & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPM'S, 1 TO 5 POINT'S ON BIT = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / 2 BPH WATER GAIN = 10 DOWN TO 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL
9/12/2004	06:00 - 09:30	3.50	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEW'S @ START OF ALL OPERATION'S = R&R C/O T/3566' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 350# ON CHART @ COMPRESSOR'S & 250# ON GAGE @ RIG FLOOR, 1 TO 3 POINT'S ON BIT, 65 RPM'S = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / 3 BPH WATER GAIN = 2 TO 1/2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL, 5% SHALE
	09:30 - 10:00	0.50	EVALFM	TRIP	COMPZN	PUH INSIDE 7" CSG W / BHA LAYING DOWN JT'S OF DP W / POWER SWIVEL
	10:00 - 16:00	6.00	EVALFM	OTHR	COMPZN	SURGE'S # 9 - # 10 - # 11 HYDRAULIC @ 1400# DP PRESSURE & 950# TO 1100# CSG PRESSURE, PUMPING 1 BPM WATER & 1800# AIR ASSIST W / 3 GAL'S OF FOAMER AHEAD & DROPPING AIR 3 TIME'S TO DROP DP PRESSURE = RELEASED SURGE'S, RETURN'S TO SURFACE, CLEAR FOAM WATER TO BLACK FOAM WATER & MED TO LIGHT COAL = NO BREAK-OVER POINT
	16:00 - 16:30	0.50	EVALFM	TRIP	COMPZN	RIH FROM 7" CSG PU JT'S OF DP W / POWER SWIVEL TAG @ 3454'
	16:30 - 06:00	13.50	EVALFM	OTHR	COMPZN	R&R C/O F/3454'-T/3499' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 350# ON CHART @ COMPRESSOR'S & 250# ON GAGE @ RIG FLOOR, 1 TO 4 POINT'S ON BIT, 65 TO 75 RPM'S = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / 2 TO 3 BPH WATER GAIN = 12 TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL, 5% SHALE, 5% SANDSTONE
9/13/2004	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	R&R C/O F/3499'-T/3566' W / 1100 TO 1500 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 350# TO 450# ON CHART @ COMPRESSOR'S & 250# TO 350# ON GAGE @ RIG FLOOR, 65 TO 75 RPM'S, 2 TO 6 POINT'S ON BIT = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / 3 TO 4 BPH WATER GAIN = 12 DOWN TO 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL
9/14/2004	06:00 - 17:30	11.50	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O T/3566', W / 1100 TO 1500 SCFM AIR, 8 BPH MIST, 1

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A

Common Well Name: SAN JUAN 32-8 UNIT 239A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 18

Spud Date: 8/18/2004

Start: 8/27/2004

End:

Rig Release: 9/26/2004

Group:

Rig Number: 18

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/14/2004	06:00 - 17:30	11.50	EVALFM	OTHR	COMPZN	GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLs OF FLUID PUMPED, 350# TO 450# ON CHART @ COMPRESSORS & 250# TO 350# ON GAGE @ RIG FLOOR, 65 TO 75 RPM'S, 2 TO 6 POINTS ON BIT = RETURNS TO SURFACE, MED COAL & FINES W / 4 BPH WATER GAIN = 7 DOWN TO 1.5 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% TO 95% COAL
	17:30 - 18:30	1.00	EVALFM	OTHR	COMPZN	TRYING TO DRY UP WELL FOR FLOW TEST = NOT ABLE TO DRY UP WELL MAKING 5 BPH WATER GAIN
	18:30 - 19:00	0.50	EVALFM	TRIP	COMPZN	PUH INSIDE 7" CSG W / BHA LAYING DOWN JT'S OF DP W / POWER SWIVEL
	19:00 - 20:00	1.00	EVALFM	PRDT	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS 2" OPEN FLOW TEST W / PITOT TUBE TIME = MANIFOLD = PITOT = MCFD = WATER 15 MINS = 18# = 4.5# = 1304 = HEAVY MIST 30 MINS = 16# = 4.0# = 1236 = HEAVY MIST & 1/4 STREAM OF WATER 45 MINS = 14# = 3.5# = 1150 = HEAVY MIST & 1/2" STREAM OF WATER W / BLACK FOAM WATER & COAL 1 HR = 12# = 3.0# = 1065 = HEAVY MIST & 3/4" STREAM OF BLACK FOAM WATER & COAL
	20:00 - 21:00	1.00	EVALFM	SIPB	COMPZN	BAD TEST WELL BRIDGED OFF & LOGGING OFF W / WATER SHUT IN TO BUILD UP PRESSURE BAD TEST WELL BRIDGED OFF & LOGGING OFF W / WATER TIME = PRESSURE ISIP = 25# 15 MINS = 90# 30 MINS = 140# 45 MINS = 180# 1 HR = 195#
	21:00 - 21:30	0.50	EVALFM	TRIP	COMPZN	RIH FROM 7" CSG PU JT'S OF DP W / POWER SWIVEL TAG @ 3350'
	21:30 - 06:00	8.50	EVALFM	OTHR	COMPZN	R&R C/O F/3350'-T/3593' W / BRIDGES @ 3350', 3450' & FILL F/3545'-T/3593', C/O W / 1500 TO 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLs OF FLUID PUMPED, 450# TO 350# ON CHART @ COMPRESSORS & 350# TO 250# ON GAGE @ RIG FLOOR, 6 TO 2 POINTS ON BIT, 75 TO 65 RPM'S = RETURNS TO SURFACE, HEAVY TO MED COAL & FINES W / 4 BPH WATER GAIN = 9 DOWN TO 3 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% TO 95% COAL
	06:00 - 08:30	2.50	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O T/3593', W / 1100 TO 1500 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLs OF FLUID PUMPED, 350# TO 450# ON CHART @ COMPRESSORS & 250# TO 350# ON GAGE @ RIG FLOOR, 65 TO 75 RPM'S, 2 TO 6 POINTS ON BIT = RETURNS TO SURFACE, MED TO LIGHT COAL & FINES W / 5 TO 7 BPH WATER GAIN = 3 DOWN TO 1.5 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% TO 95% COAL
	08:30 - 10:30	2.00	EVALFM	OTHR	COMPZN	TRYING TO DRY UP WELL FOR FLOW TEST = NOT ABLE TO DRY UP WELL MAKING 5 TO 7 BPH WATER GAIN
	10:30 - 11:00	0.50	EVALFM	TRIP	COMPZN	PUH INSIDE 7" CSG W / BHA LAYING DOWN JT'S OF DP W / POWER SWIVEL
	11:00 - 12:00	1.00	EVALFM	PRDT	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A
 Common Well Name: SAN JUAN 32-8 UNIT 239A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 18

Spud Date: 8/18/2004
 Start: 8/27/2004
 Rig Release: 9/26/2004
 Rig Number: 18
 End:
 Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/15/2004	11:00 - 12:00	1.00	EVALFM	PRDT	COMPZN	2" OPEN FLOW TEST W / PITOT TUBE TIME = MANIFOLD = PITOT = MCFD = WATER 15 MIN'S = 14# = 3.5# = 1150 = MED MIST 30 MIN'S = 16# = 4.0# = 1236 = HEAVY MIST 45 MIN'S = 18# = 4.5# = 1304 = HEAVY MIST W/ 1/4" STREAM OF WATER 1 HR = 18# = 4.5# = 1304 = HEAVY MIST & 1/2" STREAM OF WATER
	12:00 - 14:00	2.00	EVALFM	SIPB	COMPZN	WELL LOGGING OFF W / WATER SHUT IN TO BUILD UP PRESSURE WELL LOGGING OFF W / WATER TIME = PRESSURE ISIP = 25# 15 MIN'S = 100# 30 MIN'S = 170# 45 MIN'S = 215# 1 HR = 250# 1:15 MIN'S = 275# 1:30 MIN'S = 295# 1:45 MIN'S = 300# 2 HR'S = 315#
	14:00 - 14:45	0.75	EVALFM	TRIP	COMPZN	SHORT TRIP TO CHECK HOLE CONDITION'S T/3566', PUH INSIDE 7" CSG W / BHA
	14:45 - 23:30	8.75	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = SURGES # 12 - # 13 - # 14 - # 15 HYDRAULIC W / 3 GALS OF 450 FOAMER AHEAD & PUMPED 1 BPM WATER W / 1600 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLS OF FLUID PUMPED, DROPPING AIR 3 TO 5 TIMES TO DROP DP PRESSURE = RETURNS TO SURFACE, CLEAR TO BLACK FOAM WATER W / HEAVY COAL & FINES ON SURGE # 15
	23:30 - 00:00	0.50	EVALFM	TRIP	COMPZN	RIH FROM 7" CSG PU JT'S OF DP W / POWER SWIVEL TAG @ 3235'
	00:00 - 06:00	6.00	EVALFM	OTHR	COMPZN	R&R C/O F/3235'-T/3279' W / 1500 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLS OF FLUID PUMPED, 450# ON CHART @ COMPRESSORS & 350# ON GAGE @ RIG FLOOR, 3 TO 6 POINTS ON BIT, 65 TO 75 RPM'S, DP 1100# TO 1500# W / CP 900# TO 1150# = RETURNS TO SURFACE, HEAVY TO MED COAL & FINES W / 1 BPH WATER GAIN = 11 DOWN TO 5 BUCKETS PER HOUR OFF SAMPLE CATCHER = 85% TO 90% COAL & 10% TO 15% SHALE
	06:00 - 07:30	1.50	EVALFM	OTHR	COMPZN	R&R C/O T/3279' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 350# ON CHART @ COMPRESSOR'S & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPM'S, 2 TO 4 POINT'S ON BIT = RETURN'S TO SURFACE, MED COAL & FINE'S W / 1 BPH WATER GAIN = 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL
	07:30 - 08:00	0.50	EVALFM	SFTY	COMPZN	BOP DRILL = SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS
9/16/2004	08:00 - 06:00	22.00	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O F/3279'-T/3498' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLS OF FLUID PUMPED, 350# ON CHART @ COMPRESSORS & 250# ON

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A
 Common Well Name: SAN JUAN 32-8 UNIT 239A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 18

Spud Date: 8/18/2004
 Start: 8/27/2004
 End:
 Rig Release: 9/26/2004
 Group:
 Rig Number: 18

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/16/2004	08:00 - 06:00	22.00	EVALFM	OTHR	COMPZN	GAGE @ RIG FLOOR, 65 TO 75 RPMS, 2 TO 6 POINTS ON BIT = RETURNS TO SURFACE, HEAVY TO MED COAL & FINES W / 3 BPH WATER GAIN = 10 DOWN TO 4 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% COAL
9/17/2004	06:00 - 13:30	7.50	EVALFM	OTHR	COMPZN	R&R C/O T/3498' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLS OF FLUID PUMPED, 350# ON CHART @ COMPRESSORS & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPMS, 2 TO 4 POINTS ON BIT = RETURNS TO SURFACE, MED TO LIGHT COAL & FINES W / 1.5 BPH WATER GAIN = 4 DOWN TO 1.5 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% COAL
	13:30 - 14:00	0.50	EVALFM	TRIP	COMPZN	PUH INSIDE 7" CSG W / BHA LAYING DOWN JT'S OF DP W / POWER SWIVEL
	14:00 - 19:00	5.00	EVALFM	OTHR	COMPZN	SURGES # 16 - # 17 - # 18 = 3-5 BBL PADS @ 1000# DP PRESSURE & 800# CSG PRESSURE = RETURNS TO SURFACE, CLEAR TO BLACK FOAM WATER W / LIGHT COAL & FINES
	19:00 - 19:30	0.50	EVALFM	TRIP	COMPZN	RIH FROM 7" CSG PU JT'S OF DP W / POWER SWIVEL TAG @ 3240'
	19:30 - 06:00	10.50	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O F/3279' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLS OF FLUID PUMPED, 350# ON CHART @ COMPRESSORS & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPMS, 2 TO 6 POINTS ON BIT = RETURNS TO SURFACE, MED COAL & FINES W / 1 BPH WATER GAIN = 7 DOWN TO 4 BUCKETS PER HOUR OFF SAMPLE CATCHER = 95 COAL
9/18/2004	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O F/3279'-T/3467' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLS OF FLUID PUMPED, 350# ON CHART @ COMPRESSORS & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPMS, 2 TO 6 POINTS ON BIT = RETURNS TO SURFACE, HEAVY TO MED COAL & FINES W / 2.5 BPH WATER GAIN = 10 DOWN TO 4 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% TO 95% COAL
9/19/2004	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O F/3467'-T/3530' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLS OF FLUID PUMPED, 350# ON CHART @ COMPRESSORS & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPMS, 2 TO 6 POINTS ON BIT = RETURN TO SURFACE, HEAVY TO MED COAL & FINES W / 2.5 BPH WATER GAIN = 12 DOWN TO 4 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% TO 95% COAL
9/20/2004	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O F/3530'-T/3593' W / 1100 SCFM AIR, 8 BPH MIST, 1 GAL OF 450 FOAMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLS OF FLUID PUMPED, 350# ON CHART @ COMPRESSORS & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPMS, 2 TO 6 POINTS ON BIT = RETURNS TO SURFACE, HEAVY TO MED COAL & FINES W / 3 TO 5 BPH WATER GAIN = 10 DOWN TO 4 BUCKETS PER HOUR OFF SAMPLE CATCHER = 90% TO 95% COAL
9/21/2004	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O & CONDITION HOLE FOR LINER F/3593'-T/3640' TD W / 1100 SCFM AIR, 8 BPH MIST, 4 GALS OF 450 FOAMER, 4 GAL'S OF POLYMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBLS OF

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A
 Common Well Name: SAN JUAN 32-8 UNIT 239A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 18

Spud Date: 8/18/2004
 Start: 8/27/2004
 End:
 Rig Release: 9/26/2004
 Group:
 Rig Number: 18

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/21/2004	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	FLUID PUMPED, 350# ON CHART @ COMPRESSORS & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPMS, 2 TO 6 POINTS ON BIT = RETURN TO SURFACE, MED COAL & FINES W / 3 TO 5 BPH WATER GAIN = 8 DOWN TO 4 BUCKETS PER HOUR OFF SAMPLE CATCHER = 60% TO 70% COAL & 40% TO 30% SHALE
9/22/2004	06:00 - 07:15	1.25	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O & CONDITION HOLE FOR LINER T/3640' TD W / 1100 SCFM AIR, 8 BPH MIST, 4 GALS OF 450 FOAMER, 4 GALS OF POLYMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 350# ON CHART @ COMPRESSOR'S & 250# ON GAGE @ RIG FLOOR, 65 TO 75 RPM'S, 2 TO 6 POINT'S ON BIT = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / 3 TO 5 BPH WATER GAIN = 2 BUCKETS PER HOUR OFF SAMPLE CATCHER = 60% COAL & 40% SHALE
	07:15 - 07:30	0.25	EVALFM	TRIP	COMPZN	SHORT TRIP, PUH INSIDE 7" CSG W / BHA LAYING DOWN JT'S OF DP W / POWER SWIVEL
	07:30 - 09:15	1.75	EVALFM	OWFF	COMPZN	FLOW WELL NATURAL OUT BLOOIE LINE'S TO CHECK HOLE CONDITIONS
	09:15 - 09:30	0.25	EVALFM	TRIP	COMPZN	RIH FROM 7" CSG PU JT'S OF DP W / POWER SWIVEL TAG @ 3230'
	09:30 - 06:00	20.50	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O & CONDITION HOLE FOR LINER F/3230'-T/3640' TD W / 1100 SCFM AIR, 8 BPH MIST, 4 TO 8 GALS OF FOAMER, 4 TO 6 GALS OF POLYMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF MIST PUMPED, 400# TO 500# ON CHART @ COMPRESSORS & 300# TO 400# ON GAGE @ RIG FLOOR, 2 TO 6 POINTS ON BIT, 65 TO 75 RPMS = RETURN TO SURFACE, 10 TO 3 BUCKETS PER HOUR OFF SAMPLE CATCHER = 30% TO 50% SHALE = SEVERAL BRIDGE'S & 40' OF FILL
9/23/2004	06:00 - 07:30	1.50	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O & CONDITION HOLE FOR LINER T/3640' TD W / 1100 SCFM AIR, 8 BPH MIST, 4 GALS OF 450 FOAMER, 4 GALS OF POLYMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 450# ON CHART @ COMPRESSORS & 350# ON GAGE @ RIG FLOOR, 65 TO 75 RPMS, 2 TO 6 POINT'S ON BIT = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / 3 TO 5 BPH WATER GAIN = 2 BUCKETS PER HOUR OFF SAMPLE CATCHER = 50% TO 70% SHALE
	07:30 - 08:00	0.50	EVALFM	TRIP	COMPZN	SHORT TRIP, PUH INSIDE 7" CSG W / BHA LAYING DOWN JT'S OF DP W / POWER SWIVEL
	08:00 - 09:30	1.50	EVALFM	OWFF	COMPZN	FLOW WELL NATURAL OUT BLOOIE LINE'S TO CHECK HOLE CONDITION'S
	09:30 - 09:45	0.25	EVALFM	TRIP	COMPZN	RIH FROM 7" CSG PU JT'S OF DP W / POWER SWIVEL TAG @ 3250'
	09:45 - 06:00	20.25	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O & CONDITION HOLE FOR LINER F/3230'-T/3565' W / 1100 SCFM AIR, 8 BPH MIST, 4 TO 8 GALS OF FOAMER, 4 TO 6 GALS OF POLYMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF MIST PUMPED, 400# TO 500# ON CHART @ COMPRESSORS & 300# TO 400# ON GAGE @ RIG FLOOR, 2 TO 6 POINTS ON BIT, 65 TO 75 RPMS = RETURNS TO SURFACE, 8 TO 4 BUCKETS PER HOUR OFF SAMPLE CATCHER = 50% TO 70% SHALE = SEVERAL BRIDGES UP & DOWN HOLE
9/24/2004	06:00 - 13:30	7.50	EVALFM	OTHR	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS = R&R C/O & CONDITION HOLE FOR LINER T/3640' TD W / 1100

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A

Common Well Name: SAN JUAN 32-8 UNIT 239A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 18

Spud Date: 8/18/2004

Start: 8/27/2004

End:

Rig Release: 9/26/2004

Group:

Rig Number: 18

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/24/2004	06:00 - 13:30	7.50	EVALFM	OTHR	COMPZN	SCFM AIR, 8 BPH MIST, 4 GALS OF 450 FOAMER, 4 GALS OF POLYMER, 1/4 GAL OF CORROSION INHIBITOR PER 10 BBL'S OF FLUID PUMPED, 450# ON CHART @ COMPRESSORS & 350# ON GAGE @ RIG FLOOR, 65 TO 75 RPMS, 1 TO 3 POINTS ON BIT = RETURNS TO SURFACE, LIGHT COAL & FINES W / 3 TO 5 BPH WATER GAIN = 2 DOWN TO 1 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 65% COAL & 35% SHALE
	13:30 - 14:00	0.50	EVALFM	TRIP	COMPZN	SHORT TRIP, PUH INSIDE 7" CSG W / BHA LAYING DOWN JT'S OF DP W / POWER SWIVEL
	14:00 - 14:30	0.50	EVALFM	OWFF	COMPZN	FLOW WELL NATURAL OUT BLOOEIE LINES TO CHECK HOLE CONDITION'S
	14:30 - 15:15	0.75	EVALFM	TRIP	COMPZN	RIH FROM 7" CSG & TAG @ 3638' = PUH INSIDE 7" CSG W / BHA
	15:15 - 15:45	0.50	EVALFM	RURD	COMPZN	HANG BACK POWER SWIVEL & TIE BACK ON TWO LINES
	15:45 - 16:00	0.25	EVALFM	SFTY	COMPZN	SAFETY MEETING & JSA REVIEW'S @ START OF ALL OPERATION'S
	16:00 - 17:45	1.75	EVALFM	TRIP	COMPZN	COOH W / DP, DC'S & BHA
	17:45 - 18:00	0.25	EVALFM	SFTY	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATION'S
	18:00 - 19:00	1.00	EVALFM	RURD	COMPZN	RU 5 1/2" RAMS & EQUIPMENT, PU & MU H-LATCH COLLAR ON JT OF DP & LAID DOWN ON CATWALK
	19:00 - 19:15	0.25	EVALFM	PRTS	COMPZN	TEST 5 1/2" RAMS TO WELLBORE PRESSURE OF 250# = GOOD TEST
	19:15 - 21:45	2.50	EVALFM	TRIP	COMPZN	RIH PU 6 1/4" BIT, BIT SUB, 10 JT'S OF 5 1/2" CSG, H-LATCH COLLAR, SETTING TOOL & DP T/3200'
	21:45 - 22:15	0.50	EVALFM	RURD	COMPZN	TIE BACK ON ONE LINE & PU POWER SWIVEL
	22:15 - 22:45	0.50	EVALFM	OTHR	COMPZN	WORKING LINER TO TD @ 3640' = HAD ONE BRIDGE @ 3625' & 2' OF FILL = GOOD HOLE CONDITION'S
	22:45 - 23:00	0.25	EVALFM	OTHR	COMPZN	RELEASED OFF H-LATCH COLLAR W / 5 1/2" LINER SET AS FOLLOWS 6 1/4" BIT & BIT SUB SET @ 3640' 10 JT'S OF 5 1/2" CSG SET @ PBD 3638' H-LATCH COLLAR SET @ 3186' TOP OF H-LATCH COLLAR SET @ 3184' OVERLAP OF 7" CSG = 21'
	23:00 - 23:30	0.50	EVALFM	CIRC	COMPZN	TOTAL OF 10 JT'S 451'.46" J-55 15.50# LT&C CSG IN WELL PU 3' & CIRC OFF TOP H-LATCH COLLAR TO CLEAN UP 7" CSG
	23:30 - 00:00	0.50	EVALFM	OTHR	COMPZN	SECURED WELL & LOCATION = S.D.O.N.
9/25/2004	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATIONS
	07:30 - 08:00	0.50	EVALFM	OWFF	COMPZN	BLOW DOWN WELL = HAD 335# ON CSG FOR 7 HR SHUT IN PRESSURE
	08:00 - 09:00	1.00	EVALFM	RURD	COMPZN	RD POWER SWIVEL
	09:00 - 12:30	3.50	EVALFM	PULD	COMPZN	COOH LAYING DOWN DP, DC'S & SETTING TOOL
	12:30 - 12:45	0.25	PERFOP	SFTY	COMPZN	SAFETY MEETING & JSA REVIEWS @ START OF ALL OPERATION'S
	12:45 - 13:15	0.50	PERFOP	RURD	COMPZN	RU BLUE JET PERFORATING EQUIPMENT
	13:15 - 13:30	0.25	PERFOP	SIPB	COMPZN	TEST BLUE JET PERFORATING LUBICATOR TO 250# WELLBORE PRESSURE FOR 15 MINS = GOOD TEST
	13:30 - 15:30	2.00	PERFOP	PERF	COMPZN	RIH & PERFORATED 5 1/2" LINER W / 3 1/8" CSG GUNS, 0.75" DIA HOLES, 4 SPF, 120 DEGREES PHASING AS FOLLOWS 3562'-65' = 3 FT = 12 HOLES 3481'-91' = 10 FT = 40 HOLES 3464'-70' = 6 FT = 24 HOLES 3458'-62' = 4 FT = 16 HOLES

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A

Common Well Name: SAN JUAN 32-8 UNIT 239A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 18

Spud Date: 8/18/2004

Start: 8/27/2004

End:

Rig Release: 9/26/2004

Group:

Rig Number: 18

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/25/2004	13:30 - 15:30	2.00	PERFOP	PERF	COMPZN	3447'-56' = 9 FT = 36 HOLES 3428'-34' = 6 FT = 24 HOLES 3418'-26' = 8 FT = 32 HOLES 3386'-89' = 3 FT = 12 HOLES 3356'-64' = 8 FT = 32 HOLES 3348'-53' = 5 FT = 20 HOLES 3284'-90' = 6 FT = 24 HOLES 3272'-76' = 4 FT = 16 HOLES 3254'-58' = 4 FT = 16 HOLES 3240'-46' = 6 FT = 24 HOLES 3228'-32' = 4 FT = 16 HOLES NET TOTAL = 86 FT = 344 HOLES ATTENTION TAG BRIDGE OR FILL @ 3612 W / FIRST & LAST GUN RUN'S, PBTD @ 3638' NEED TO MAKE C/O RUN W / TUBING
	15:30 - 16:00	0.50	PERFOP	RURD	COMPZN	RD BLUE JET PERFORATING EQUIPMENT
	16:00 - 16:15	0.25	EVALFM	SFTY	COMPZN	SAFETY MEETING & JSA REVIEW'S @ START OF ALL OPERATION'S
	16:15 - 17:00	0.75	EVALFM	RURD	COMPZN	RU 2 3/8" RAM'S & EQUIPMENT ATTENTION FINAL FLOW TEST W / PITOT TUBE TIME = MANIFOLD = PITOT = MCFD = WATER 1:30 MIN'S = 70# = 17.5# = 2640 = HEAVY MIST & SURGING W / WATER = FINAL WATER TEST 3.5 TO 4.5 BPH
	17:00 - 17:45	0.75	EVALFM	PRTS	COMPZN	TEST PIPE RAM'S & STACK 250# 3 MIN'S & 1800# 20 MIN'S = GOOD TEST
	17:45 - 18:45	1.00	EVALFM	RURD	COMPZN	GIH PU SAW TOOTH COLLAR W / FLOAT & 2 3/8" TUBING OFF PIPE RACK TO MAKE C/O RUN TO PBTD @ 3638'
	18:45 - 19:00	0.25	EVALFM	OTHR	COMPZN	SECURED WELL & LOCATIN = S.D.O.N.
	07:00 - 07:30	0.50	RPCOMP	SFTY	COMPZN	SAFETY MEETING & JSA REVIEW'S @ START OF ALL OPERATION'S
	07:30 - 08:00	0.50	RPCOMP	OWFF	COMPZN	BLOW DOWN WELL = FINAL SHUT IN PRESSURE FOR 12 HR'S = CSG 350#
	08:00 - 10:00	2.00	RPCOMP	CIRC	COMPZN	C/O F/3610-T/3638' PBTD W / AIR ASSIST
9/26/2004	10:00 - 11:00	1.00	RPCOMP	TRIP	COMPZN	COOH W / TUBING & SAW TOOTH COLLAR
	11:00 - 12:00	1.00	RPCOMP	TRIP	COMPZN	RIH W / PUMPING BHA & 2 3/8" PRODUCTION TUBING
	12:00 - 12:30	0.50	RPCOMP	OTHR	COMPZN	LAND TUBING HANGER W / PRODUCTION TUBING SET AS FOLLOWS 2 7/8" MUD ANCHOR E.O.T. SET @ 3628'.14" 2 3/8" X-OVER SET @ 3597'.49" 2 3/8" EXP CHECK SET @ 3597'.04" 2 3/8" FN 1.78" SET @ 3596'.31" 2 3/8" TUBING 113 JT'S SET @ 3595'.49' TO HANGE @ SURFACE TOTAL OF 113 JT'S OF 2 3/8" EUE 8RD J-55 4.7# TUBING IN WELL, PLUS 1-2", 1-6", 1-8' 2 3/8" SUB'S UNDER TOP JT OF TUBING @ HANGER & 1 JT OF 2 7/8" EUE 8RD J-55 6.5# TUBING MUD ANCHOR W / PERF SLOT'S CUT IN TOP OF JT & CK, FN ND & RD BOP'S, HCR VALVE'S, CHOKE MANIFOLD & RU PUMPING WELLHEAD & ROD EQUIPMENT
	12:30 - 16:00	3.50	RPCOMP	RURD	COMPZN	GIH PU PUMP & ROD'S = RAN 1' GAS ANCHOR ON BOTTOM OF PUMP & 2" X 1 1/2" X 12' - RWAC-ZDV PUMP # COPC-171 HF BY ENERGY PUMP'S & SUPPLY = RAN 3-1 1/4" SINKER BAR'S ON TOP OF PUMP, 140-3/4" PLAIN ROD'S, 1-2' 1-6' 1-8' 3/4" PONY'S & 1 1/4" 22' POLISH ROD
	16:00 - 17:30	1.50	RPCOMP	PULD	COMPZN	

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 239A

Common Well Name: SAN JUAN 32-8 UNIT 239A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 18

Start: 8/27/2004

Rig Release: 9/26/2004

Rig Number: 18

Spud Date: 8/18/2004

End:

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/26/2004	17:30 - 18:00	0.50	RPCOMP	OTH	COMPZN	TEST TUBING TO 500# FOR 15 MIN'S = GOOD TEST = BLED OFF PRESSURE & STROKED PUMP W / RIG BLOCK'S TO 500# HELD FOR 15 MIN'S = GOOD TEST
	18:00 - 18:30	0.50	RPCOMP	HOSO	COMPZN	SPACED OUT & HANGED OFF ON STUFFIN BOX
	18:30 - 19:00	0.50	RPCOMP	OTH	COMPZN	SECURED WELL & LOCATION = S.D.O.N.
9/27/2004	07:00 - 07:30	0.50	MOVE	SFTY	DEMOB	SAFETY MEETING & JSA REVIEW'S @ START OF ALL OPERATION'S
	07:30 - 16:30	9.00	MOVE	DMOB	DEMOB	RD & RELEASE RIG & EQUIPMENT ON 09 / 26 / 2004 @ 17:00 PM = SECURED WELL & LOCATION = RELEASE WELL TO PRODUCTION DEPT. = WILL MOVE RIG & EQUIPMENT ON 09 / 27 / 2004
	16:30 - 17:00	0.50	MOVE	DMOB	DEMOB	SECURED WELL & LOCATION = S.D.O.N.