

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.
NMNM78424B

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
SAN JUAN 32-8 UNIT 220A

9. API Well No.
30-045-32308

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

11. Sec., T., R., M., or Block and Survey
or Area Sec 24 T31N R8W Mer NMP

12. County or Parish
SAN JUAN

13. State
NM

14. Date Spudded
06/07/2004

15. Date T.D. Reached
06/22/2004

16. Date Completed
☐ D & A ☒ Ready to Prod.
07/20/2004

17. Elevations (DF, KB, RT, GL)*
6550 GL

18. Total Depth: MD 3533 TVD

19. Plug Back T.D.: MD 3531 TVD

20. Depth Bridge Plug Set: MD TVD

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

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
6 7/8	12.250	9.625 H-40	32.3	0	236	150	6	0	
4 1/2	8.750	7.000 J-55	20.0	0	3223	521	6	0	
7 1/2	6.250	5.500 J-55	15.5	3182	3533	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	3496							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
BASIN FRUITLAND COAL	3240	3438	3240 TO 3438	0.750	228	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material

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
07/20/2004	07/18/2004	24	→	0.0	2410.0	10.0			GAS PUMPING UNIT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
2" PITOT	SI	15.0	→					GSI	

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

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

ELECTRONIC SUBMISSION #33912 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

ConocoPhillips

END OF WELL SCHEMATICWell Name: **San Juan 32-8 # 220A**API #: **30-045-32308**Location: **1185' FNL & 790' FWL**

Sect 24 - T31N - R8W

San Juan County, NM

Elevation: **6550' GL (above MSL)**Drl Rig RKB: **13' above Ground Level**Datum: **Drl Rig RKB = 13' above GL****Surface Casing**Date set: **8-Jun-04**

Size 9 5/8 in
 Set at 236 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 236 ftTD of 12-1/4" hole 245 ftNotified BLM @ _____ hrs on 05-Jun-04Notified NMOCD @ _____ hrs on 05-Jun-04**Intermediate Casing**Date set: **10-Jun-04**

Size 7 in 75 jts
 Set at 3223 ft 0 pups
 Wt. 20 ppf Grade J-55
 Hole Size 8 3/4 in Conn STC
 Excess Cmt 160 % Top of Float Collar 3178 ft
 T.O.C. SURFACE Bottom of Casing Shoe 3223 ft
 Pup @ _____ ft TD of 8-3/4" Hole 3230 ft
 Pup @ _____ ft

Notified BLM @ _____ hrs on 09-Jun-04Notified NMOCD @ _____ hrs on 09-Jun-04**Production Liner**Date set: **17-Jul-04**

Size 5 1/2 in
 Nominal Wt. 15.5 ppf
 Grade J-55 Connections: LTC
 # Jnts: 8
 Hole Size 6.25 / 9.5 inches
 Underreamed 6-1/4" hole to 9.5" from 3230' to 3533'
 Top of Liner 3182 ft
 PBTd 3531 ft
 Bottom of Liner 3533 ft

This well was cavitated.

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

☒ New
☐ Used

☒ New
☐ Used

☒ New
☐ Used
TD 3,533 ftSpud: **7-Jun-04**Release Drl Rig: **11-Jun-04**Move In Cav Rig: **19-Jun-04**Release Cav Rig: **19-Jul-04****Surface Cement**Date cmt'd: **8-Jun-04**

Lead : 150 sx Class G Cement
 + 2% BWOC S001 Calcium Chloride
 + 0.25 lb/sx D029 Cellophane Flakes
 1.16 cuft/sx, 174 cuft slurry at 15.8 ppg
 Displacement: 15.0 bbls fresh wtr
 Bumped Plug at: 06:55 @ 425 psi
 Final Circ Press: 100 psi @ 2 bpm
 Returns during job: YES
 CMT Returns to surface: 12 bbls
 Floats Held: No floats used
 W.O.C. for 6.00 hrs (plug bump to start NU BOP)
 W.O.C. for 10.00 hrs (plug bump to test csg)

Intermediate CementDate cmt'd: **10-Jun-04**

Lead : 420 sx Class G Cement
 + 3% D079 Extender
 + 0.25 lb/sx D029 Cellophane Flakes
 + 0.2% D046 Antifoam
 2.61 cuft/sx, 1096.2 cuft slurry at 11.7 ppg
 Tail : 101 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, 128.2 cuft slurry at 13.5 ppg
 Displacement: 138 bbls
 Bumped Plug at: 20:55 hrs w/ 1480 psi
 Final Circ Press: 790 psi @ 2 bpm
 Returns during job: YES
 CMT Returns to surface: 15 bbls
 Floats Held: X Yes ___ No

UNCEMENTED LINER

Schematic prepared by:
 Steven O. Moore, Drilling Engineer
 28-July-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. Displaced top wiper plug with water. Shut in casing head and WOC before backing out landing jt. CENTRALIZERS @ 226', 191', 147', & 104'. Total: 4
7" Intermediate	DISPLACED W/20 BBLs. FRESH WATER & 108 BBLs. 8.4 PPG SLIGHTLY POLYMERIZED DRILL WATER CENTRALIZERS @ 3213', 3134, 3047', 2960', 2873', 2787', 170', 84', 42'. Total: 9
	TURBOLIZERS @ 2315' & 2271'. Total: 2
5.5" Liner	Ran 6-1/4" bit & 3-1/2" OD float sub with 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: 3240'-3243', 3246'-3251', 3266'-3271', 3286'-3289', 3307'-3311', 3314'-3317', 3328'-3339', 3342'-3346', 3412'-3418', 3421'-3430', 3434'-3438'. TOTAL SHOTS 228.
Tubing	2-7/8" 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 110 jts 2-3/8" 4.7# J-55 EUE 8rd tubing Bottom of Mud Anchor at 3496'. F-Nipple at 3464' MD RKB.
Pump & Rods	12" long strainer attached below 1-1/2" RWAC-Z insert pump, run with 3/4" OD rods & 1 ea 1-1/4" OD x 22' polished rod Set pump in F-Nipple at 3464' MD RKB

CONOCOPHILLIPS CO

Operations Summary Report

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30-045-32308

Legal Well Name: SAN JUAN 32-8 UNIT 220A
 Common Well Name: SAN JUAN 32-8 UNIT 220A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 29

Spud Date: 6/7/2004
 Start: 6/19/2004 End: 7/19/2004
 Rig Release: 7/19/2004 Group:
 Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/20/2004	07:00 - 07:30	0.50	MOVE	SFTY	MIRU	PRE MOVE SAFETY MEETING.
	07:30 - 11:00	3.50	MOVE	MOB	MIRU	MOVE KEY #29 TO SJ 32-8 #220A LOCATION.
	11:00 - 19:00	8.00	WELLPR	RURD	COMPZN	RIG UP RIG. NU BOP STACK. RU BLOOIE LINES & AIR SERVICE.
6/21/2004	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	SAFETY MEETING.
	07:30 - 14:00	6.50	EVALFM	RURD	COMPZN	FINISH RIGGING UP RIG.
	14:00 - 15:00	1.00	EVALFM	PRTS	COMPZN	PRESSURE TEST BOPS. TEST CSG & BLIND RAMS TO 300PSI- 5MIN & 1800PSI- 30MIN. CHART AS PER CONOCO- PHILLIPS & NMOCD REQUIREMENTS. TEST PIPE RAMS TO 300PSI- 5MIN & 1800PSI- 10MIN. OK.
	15:00 - 17:00	2.00	EVALFM	PULD	COMPZN	MU 6 1/4" RR BUTTON BIT ON BOTTOM OF 1- 3 1/2" DC. TIH PICKING UP 11- ADDITIONAL COLLARS & 87- JTS OF 2 7/8" DP. SDFD.
6/22/2004	07:00 - 07:30	0.50	DRILL	SFTY	COMPZN	SAFETY MEETING.
	07:30 - 09:00	1.50	DRILL	SFTY	COMPZN	RIG INSPECTION W/CONOCO- PHILLIPS SAFETY PERSONNEL.
	09:00 - 12:00	3.00	DRILL	DRLG	COMPZN	BREAK CIRCULATION W/1400CFM AIR- MIST. DRILL OUT CEMENT, FC & SHOE JT TO 3223'.
	12:00 - 13:30	1.50	RIGMNT	RGRP	COMPZN	REPACK SWIVEL.
	13:30 - 19:00	5.50	DRILL	DRLG	COMPZN	DRILL 6 1/4" OPEN HOLE FR 3230'- 3533'(303') W/1400CFM AIR, 08 BPH MIST W/1GAL 450 FOAMER + 1/2 GAL INHIBITOR PR/ 10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 460PSI. RPMS ON BOTH COMPRESSORS- 1300. SUCTION PRESSURE- 220PSI, DISCHARGE 440PSI. NOTE: COULD NOT MAINTAIN GOOD CIRCULATION OR SAMPLES W/900CFM AIR- MIST.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
	19:15 - 03:30	8.25	EVALFM	CIRC	COMPZN	CIRCULATE & CONDITION HOLE @ 3533'(TD) W/900CFM AIR- MIST. EVALUATE THE COALS FROM THE MUD LOGS AS FOLLOWS. 3246'- 50' & 3264'- 70': INTERMEDIATE BLACK COAL W/SATIN LUSTER. FAIR CLEATING 490 UNITS OF GAS. 3266'- 68', 3307'- 10' & 3313'- 16': INTERMEDIATE BLACK COAL W/FAIR CLEATING. NO GAS. 3330'- 46': BRIGHT TO INTERMEDIATE BLACK COAL W/SOME VITREOUS MATERIAL. FAIRLY WELL CLEATED W/SOME RT ANGLE INTERSECTING PLANES. 365 UNITS OF GAS. 3412'- 38' BRIGHT BLACK GLASSY COAL. WELL CLEATED W/NUMEROUS WELL DEFINED FACES. 603 UNITS OF GAS. TOTAL COAL- 60'. BLOW WELL DRY LAST 60MIN.
	03:30 - 04:00	0.50	EVALFM	PULD	COMPZN	PULL UP INSIDE 7" CSG LAYING DN 10-JTS OF 2 7/8" DP.
	04:00 - 05:00	1.00	EVALFM	PRDT	COMPZN	CONDUCT INITIAL FLOW TEST THROUGH 2" CHOKE MANIFOLD USING PITOT READINGS: INITIAL FLOW - 4PSI(1.23MMCFD) LT MIST 15MIN FLOW - 4PSI(1.23MMCFD) LT MIST 30MIN FLOW - 4PSI(1.23MMCFD) 45MIN FLOW - 4PSI(1.23MMCFD) 60MIN FLOW - 4PSI(1.23MMCFD)
	05:00 - 06:00	1.00	EVALFM	SIPB	COMPZN	SI FOR INITIAL BUILD UP INITIAL SI - 30PSI 15MIN SI - 90PSI 30MIN SI - 125PSI 45MIN SI - 155PSI 60MIN SI - 175PSI
6/23/2004	06:00 - 07:00	1.00	EVALFM	SIPB	COMPZN	CONTINUE 120MIN BUILD UP 75MIN SI - 185PSI

CONOCOPHILLIPS CO

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Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 220A

Common Well Name: SAN JUAN 32-8 UNIT 220A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 29

Start: 6/19/2004

Rig Release: 7/19/2004

Rig Number: 29

Spud Date: 6/7/2004

End: 7/19/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/23/2004	06:00 - 07:00	1.00	EVALFM	SIPB	COMPZN	90MIN SI - 195PSI 105MIN SI - 200PSI 120MIN SI - 205PSI
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE. TURN CSG PRESSURE LOOSE AS A NATURAL SURGE.
	07:30 - 08:45	1.25	EVALFM	TRIP	COMPZN	POOH W/BIT
	08:45 - 10:00	1.25	EVALFM	TRIP	COMPZN	MU 6 1/4" x 9 1/2" LOCKO Matic UNDER REAMER & 4 1/2" SHOCK SUB ON BOTTOM OF 1- 3 1/2" DC. TIH W/11 ADDITIONAL COLLARS & 2 7/8" DP TO 3230'.
	10:00 - 15:00	5.00	EVALFM	REAM	COMPZN	BREAK CIRCULATION W/1600CFM AIR, 10BPH MIST W/1 GAL 450 FOAMER & 1/2 GAL INHIBITOR PR/10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 700PSI. OPEN UNDER REAMER ARMS & UNDER REAM 6 1/4" HOLE TO 9 1/2" FR 3230'- 3533' TURNING 80RPMs W/6K ON UNDER REAMER. GOOD RETURNS TO SURFACE.
	15:00 - 17:30	2.50	EVALFM	CIRC	COMPZN	CIRCULATE & CONDITION HOLE @ 3533'(TD). DROP MIST BACK TO 5BPH LAST 45MIN.
	17:30 - 19:30	2.00	EVALFM	TRIP	COMPZN	LD 10-JTS OF DP. POOH & LD UNDER REAMER. CONDUCT FLOW TEST THROUGH 2" CHOKE MANIFOLD WHILE POOH. USE PITOT READINGS INITIAL FLOW - 3PSI(1.06MMCFD) LT MIST 15MIN FLOW - 4PSI(1.23MMCFD) LT MIST 30MIN FLOW - 5PSI(1.37MMCFD) LT MIST 45MIN FLOW - 5PSI(1.37MMCFD) LT MIST 60MIN FLOW - 5PSI(1.37MMCFD) LT MIST
	19:30 - 21:00	1.50	EVALFM	TRIP	COMPZN	TIH W/6 1/4" DRLG ASSEMBLY TO 3212'.
	21:00 - 22:00	1.00	EVALFM	SIPB	COMPZN	SI FOR 60MIN BUILD UP. INITIAL SI - 90PSI 15MIN SI - 150PSI 30MIN SI - 200PSI 45MIN SI - 250PSI 60MIN SI - 280PSI
	22:00 - 06:00	8.00	EVALFM	OTHR	COMPZN	PERFORM AIR ASSIST SURGES #1, #2 & #3 PRESSURING UP THE DP TO 1050PSI & CSG TO 920PSI ON EACH BUILD UP. PUMPED 1 GAL FOAMER AHEAD FOLLOWED BY 3 - 10BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RELEASED SURGES W/RETURNS OF HVY MIST, WHITE FOAM & H2O TO SURFACE. NO COAL.
6/24/2004	06:00 - 11:00	5.00	EVALFM	OTHR	COMPZN	PERFORM AIR ASSIST HYDRAULIC SURGES #3, #4 & #5 PRESSURING UP THE DP TO 1100PSI & THE CSG TO 960PSI ON EACH BUILD UP. PUMPED 1-GAL OF 450 FOAMER AHEAD OF 3 20BBLH2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF HVY WHITE TO GRAY MIST, H2O & WHITE FOAM W/SOME SML COAL CHIPS AT THE END.
	11:00 - 12:00	1.00	EVALFM	SFTY	COMPZN	SAFETY STAND DN.
	12:00 - 12:15	0.25	EVALFM	PULD	COMPZN	TIH PICKING UP DP. TAG UP @ 3286'.
	12:15 - 14:00	1.75	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/900CFM AIR, 06 BPH MIST W/1 GAL 450 FOAMER+ 1/2 GAL INHIBITOR. CIRCULATING PRESSURE- 300PSI. RETURNS OF LT COAL CHIPS 1/2"- 1/8" IN SIZE. 2 DN TO 1/2BKT PR HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE.
	14:00 - 16:00	2.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3289'- 3320' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 3 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE.

CONOCOPHILLIPS CO
Operations Summary Report

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Legal Well Name: SAN JUAN 32-8 UNIT 220A
Common Well Name: SAN JUAN 32-8 UNIT 220A
Event Name: COMPLETION
Contractor Name: KEY ENERGY SVCS
Rig Name: KEY 29

Spud Date: 6/7/2004
Start: 6/19/2004 End: 7/19/2004
Rig Release: 7/19/2004 Group:
Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/24/2004	16:00 - 18:00	2.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 52' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 3 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE. TIH PICKING UP 2- JTS.
	18:00 - 19:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 3443' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF MOD COAL CHIPS 1/2" IN SIZE. 3 BKTS PR/ HR FR SAMPLE CATCHER. 100% COAL.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
	19:15 - 06:00	10.75	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 3443' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF MOD COAL CHIPS 1/2" IN SIZE DN TO FINES. 3 DN TO 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
6/25/2004	06:00 - 09:00	3.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/ 900CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF MOD- LT COAL FINES. 2 DN TO 1/2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	09:00 - 09:15	0.25	EVALFM	PULD	COMPZN	PULL UP INSIDE 7" CSG LAYING DN 8-JTS OF 2 7/8" DP.
	09:15 - 19:00	9.75	EVALFM	OTHR	COMPZN	PERFORM AIR ASSIST HYDRAULIC SURGES #6, #7, #8 & #9 PRESSURING UP THE DP TO 1200PSI & CSG TO 1000PSI ON EACH BUILD UP. PUMP 1 GAL OF 450 FOAMER AHEAD OF 1ST PAD FOLLOWED BY 3 - 20BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF HVY GRAY MIST, GRAY H2O, FOAM & SOME COAL CHIPS & FINES. R&R 30MIN IN CSG AFTER LAST 3 - SURGES W/WELL MAKING LOTS OF COAL CHIPS & FINES.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
	19:15 - 19:30	0.25	EVALFM	PULD	COMPZN	TIH PICKING UP DP. TAG BRIDGE @ 3248'.
	19:30 - 20:30	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3225'- 56' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF LT COAL CHIPS. 1 DN TO 1/2BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE.
6/26/2004	20:30 - 06:00	9.50	EVALFM	OTHR	COMPZN	PU A SINGLE & RETAG @ 3290'. R&R CO COAL FR 3289'- 3320' W/ 900CFM AIR, 06 BPH MIST W/1 GAL 450 FOAMER+ 1/2 GAL INHIBITOR PR/10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 320PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 1/2 DN TO 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3289'- 3320' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 11:00	3.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 52' w/900 CFM AIR, 06 BPH MIST W/1 GAL 450 FOAMER+ 1/4 GAL INHIBITOR PR/ 10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 DN TO 1/2 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	11:00 - 14:00	3.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3353'- 84' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 DN TO 1/2 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	14:00 - 17:00	3.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3385'- 3415' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 DN TO 1/2 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.

CONOCOPHILLIPS CO
Operations Summary Report

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Legal Well Name: SAN JUAN 32-8 UNIT 220A
Common Well Name: SAN JUAN 32-8 UNIT 220A
Event Name: COMPLETION
Contractor Name: KEY ENERGY SVCS
Rig Name: KEY 29

Start: 6/19/2004 End: 7/19/2004
Rig Release: 7/19/2004 Group:
Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/26/2004	17:00 - 19:00	2.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3415'- 43' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD COAL FINES. 2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
	19:15 - 06:00	10.75	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3415'- 43' W/ 900CFM AIR, 06 BPH MIST W/1 GAL 450 FOAMER+ 1/4 GAL INHIBITOR PR/ 10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 360PSI. RETURNS OF MOD COAL FINES. 2 TO 3 BKTS PR/ HR FR SAMPLE CATCHER. HOLE VERY STICKY ACROSS THE BASAL COAL INTERVAL. 95%COAL, 05% SAND & SHALE.
6/27/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO RUNNING COAL FR 3412'- 43' W/900CFM AIR, 06 BPH MIST W/1 GAL 450 FOAMER+ 1/4 GAL INHIBITOR. CIRCULATING PRESSURE 320PSI. RETURNS OF HVY COAL CHIPS & FINES. 3 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 19:00	11.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/ 900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 DN TO 2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
6/28/2004	19:15 - 06:00	10.75	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/ 900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD COAL FINES. 2 DN TO 1 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF LT COAL FINES. 1 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 10:00	2.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF LT COAL FINES. 1 DN TO 1/2 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE. SHUT OFF MIST & DRY WELL UP LAST 45MIN.
	10:00 - 10:15	0.25	EVALFM	PULD	COMPZN	PULL UP INSIDE 7" CSG LAYING DN 8-JTS OF 2 7/8" DP.
	10:15 - 11:15	1.00	EVALFM	PRDT	COMPZN	CONDUCT 60MIN FLOW TEST THROUGH 2" CHOKE MANIFOLD USING PITOT READINGS. INITIAL FLOW - 5PSI(1.37MMCFD) LT MIST 15MIN FLOW - 7 1/2PSI(1.68MMCFD) LT MIST 30MIN FLOW - 9PSI(1.89MMCFD) 45MIN FLOW - 9PSI(1.89MMCFD) 60MIN FLOW - 9PSI(1.89MMCFD)
	11:15 - 12:15	1.00	EVALFM	SIPB	COMPZN	SI FOR 60MIN BUILD UP INITIAL SI - 75PSI 15MIN SI - 240PSI 30MIN SI - 280PSI 45MIN SI - 300PSI 60MIN SI - 300PSI
	12:15 - 19:00	6.75	EVALFM	OTHR	COMPZN	PERFORM AIR ASSIST HYDRAULIC SURGES #10 & #11 PRESSURING UP THE DP TO 1200PSI BOTH TIMES & CSG TO 960PSI & 920PSI. PUMPED 1 GAL 450 FOAMER AHEAD OF EACH SURGE FOLLOWED BY 3 - 20BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF HVY BLK DUST, GRAY MIST, H2O & FOAM W/COAL CHIPS TO SURFACE. R&R AFTER EACH SURGE W/ WELL BRINGING BACK LOTS OF COAL

CONOCOPHILLIPS CO

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Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 220A

Common Well Name: SAN JUAN 32-8 UNIT 220A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 29

Spud Date: 6/7/2004

Start: 6/19/2004

End: 7/19/2004

Rig Release: 7/19/2004

Group:

Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/28/2004	12:15 - 19:00	6.75	EVALFM	OTHR	COMPZN	CHIPS & FINES.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
	19:15 - 19:30	0.25	EVALFM	PULD	COMPZN	TIH PICKING UP DP. TAG UP @ 3310'.
	19:30 - 03:00	7.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3289'- 3320' W/900CFM AIR, 06 BPH MIST W/1GAL 450 FOAMER+ 1/4 GAL INHIBITOR. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 1/2 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	03:00 - 06:00	3.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 51' W/ 900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF HVY COAL CHIPS & FINES. 3 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
6/29/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 DN TO 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 09:00	1.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD - LT COAL CHIPS & FINES. 2 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE.
	09:00 - 13:00	4.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3351'- 82' W/ 900CFM AIR, 06 BPH MIST W/1 GAL 450 FOAMER+ 1/4 GAL INHIBITOR PR/ 10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 DN TO 1/2 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE.
	13:00 - 17:00	4.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3383'- 3412' W/900 CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	17:00 - 19:00	2.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD COAL CHIPS & FINES. 2 1/2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
	19:15 - 06:00	10.75	EVALFM	OTHR	COMPZN	R&R CO RUNNING COAL FR 3412'- 43' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF HVY COAL CHIPS & FINES. 6 DN TO 4 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
6/30/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF HVY COAL CHIPS & FINES. 4 DN TO 3 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 19:00	11.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/ 900CFM AIR, 06 BPH MIST W/1 GAL 450 FOAMER+ 1/4 GAL INHIBITOR PR/ 10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 340PSI. RETURNS OF LT COAL CHIPS & HVY FINES. 3 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
	19:15 - 06:00	10.75	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/900 CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF HVY- MOD COAL FINES. 3 DN TO 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SHALE.
						BOTTOM 10' OF COAL TIGHT & STICKY.
7/1/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/ 900CFM AIR- MIST. CIRCULATING

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 220A
 Common Well Name: SAN JUAN 32-8 UNIT 220A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 29

Start: 6/19/2004 End: 7/19/2004
 Rig Release: 7/19/2004 Group:
 Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/1/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	PRESSURE- 340PSI. RETURNS OF MOD COAL FINES. 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 14:00	6.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3412'- 43' W/ 900CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD - LT COAL FINES. 2 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	14:00 - 14:15	0.25	EVALFM	PULD	COMPZN	PULL UP INSIDE 7" CSG LAYING DN 8-JTS OF DP.
	14:15 - 01:30	11.25	EVALFM	OTHR	COMPZN	PERFORM AIR ASSIST HYDRAULIC SURGES #12, #13 & #14 PRESSURING UP THE DP TO 820PSI & CSG TO 660PSI ON #12 FOLLOWED BY 1200PSI ON DP & 920PSI ON CSG ON #13 & #14. PUMPED 1 GAL OF 450 FOAMER AHEAD OF EACH SURGE FOLLOWED BY 3 - 20 BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF BLK DUST, GRAY MIST, H2O & GRAY FOAM W/LT COAL CHIPS. R&R CO IN CSG AFTER LAST SURGE W/ WELL BRINGING BACK LOTS OF COAL FINES.
	01:30 - 01:45	0.25	EVALFM	PULD	COMPZN	TIH PICKING UP DP. TAG UP @ 3304'.
	01:45 - 06:00	4.25	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3289'- 3320' W/ 900CFM AIR, 06 BPH MIST W/1 GAL 450 FOAMER + 1/4 GAL INHIBITOR PR/ 10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 320PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 1/2 DN TO 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05 % SAND & SHALE.
						R&R CO COAL FR 3289'- 3320' W/900CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 1/2 DN TO 1/2 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
						CREW CHANGE. SAFETY MEETING & RIG SERVICE.
						R&R CO COAL FR 3321'- 50' W/ 900CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 1/2 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
7/2/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	PULL UP INSIDE 7" CSG LAYING DN 8- JTS OF 2 7/8" DP.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	PERFORM AIR ASSIST HYDRAULIC SURGES # 15, #16 & #17
	07:30 - 11:00	3.50	EVALFM	OTHR	COMPZN	PRESSURING UP THE DP TO 1100PSI & CSG TO 850PSI ON EACH BUILD UP. PUMPED 1 GAL OF 450 FOAMER AHEAD OF 1ST SURGE FOLLOWED BY 3 - 20 BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF BLK DUST, HVY GRAY MIST, GRAY H2O & FOAM FOLLOWED BY SML AMT OF COAL CHIPS. CIRCULATE INBETWEEN SURGES W/ WELL BRINGING BACK SML AMT OF COAL FINES.
	11:00 - 11:15	0.25	EVALFM	PULD	COMPZN	TIH PICKING UP DP. TAG FILL @ 3310'.
	11:15 - 22:00	10.75	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3289'- 3320' W/ 900CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD COAL CHIPS(1/2"- 1/8" IN SIZE) & COAL FINES. 2 1/2 DN TO 1/2 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
						R&R CO COAL FR 3321'- 50' W/900CFM AIR, 06 BPH MIST W/1 GAL 450 FOAMER + 1/4 GAL INHIBITOR PR/ 10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 340PSI. RETURNS OF HVY- MOD COAL CHIPS(1/2"- 1/8") & COAL FINES. 3 DN TO 2 1/2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	22:00 - 22:30	0.50	EVALFM	PULD	COMPZN	
	22:30 - 02:00	3.50	EVALFM	OTHR	COMPZN	
	02:00 - 06:00	4.00	EVALFM	OTHR	COMPZN	
7/3/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' w/900 CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD COAL CHIPS & FINES. 2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 05% SAND &

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Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 220A
 Common Well Name: SAN JUAN 32-8 UNIT 220A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 29

Start: 6/19/2004 End: 7/19/2004
 Rig Release: 7/19/2004 Group:
 Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/3/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	SHALE. OCCASIONAL LOSS OF CIRCULATION.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 19:00	11.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/1400CFM AIR, 06 BPH MIST W/ 1GAL 450 FOAMER+ 1/4 GAL INHIBITOR. CIRCULATING PRESSURE- 480PSI RETURNS OF MOD- HVY COAL CHIPS(1/4"- 1/8" IN SIZE) & FINES. 2 UP TO 4 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
	19:15 - 06:00	10.75	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/1400CFM AIR- MIST. CIRCULATING PRESSURE- 480PSI. RETURNS OF HVY- LT COAL CHIPS & FINES. 4 DN TO 1 1/2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
7/4/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 460PSI. RETURNS OF MOD COAL CHIPS & FINES. 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL & 05% SAND & SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 13:15	5.75	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 460PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL & 05% SAND & SHALE.
	13:15 - 13:30	0.25	EVALFM	PULD	COMPZN	PULL UP INSIDE 7" CSG LAYING DN 8-JTS OF 2 7/8" DP.
	13:30 - 03:30	14.00	EVALFM	OTHR	COMPZN	PERFORM AIR ASSIST HYDRAULIC SURGES #18, #19 & #20 PRESSURING UP THE DP TO 1200PSI ON EACH SURGE & CSG TO 750PSI, 1000PSI & 1000PSI RESPECTFULLY. PUMPED 1 GAL OF 450 FOAMER AHEAD OF 1ST SURGE FOLLOWED BY 3 - 20 BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF BLK DUST, GRAY MIST, GRAY H2O & GRAY FOAM FOLLOWED BY SML AMT OF COAL FINES & CHIPS. R&R INBETWEEN SURGES W/ WELL BRINGING BACK LOTS OF FINES.
7/5/2004	03:30 - 03:45	0.25	EVALFM	PULD	COMPZN	TIH PICKING UP DP. TAGGED FILL @ 3266'.
	03:45 - 06:00	2.25	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR, 06 MIST W/1 GAL 450 FOAMER+ 1/4 GAL INHIBITOR PR/ 10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 480PSI. RETURNS OF HVY CHIPS(1/2"- 1/8" IN SIZE) & FINES. 4 DN TO 3 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 480PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 DN TO 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 10:30	3.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 480PSI. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
7/5/2004	10:30 - 13:00	2.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3289'- 3320' W/ 1400CFM AIR- MIST. RETURNS OF MOD- LT COAL CHIPS & FINES. 2 1/2 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	13:00 - 15:15	2.25	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/ 1400CFM AIR- MIST. RETURNS OF HVY- LT COAL CHIPS(1/2"- 1/8" IN SIZE) & FINES. 3 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	15:15 - 15:30	0.25	EVALFM	PULD	COMPZN	PULL UP INSIDE 7" CSG LAYING DN 8-JTS OF 2 7/8" DP.
	15:30 - 16:30	1.00	EVALFM	PRDT	COMPZN	CONDUCT FLOW TEST THROUGH 2" CHOKE MANIFOLD USING

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Operations Summary Report

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Legal Well Name: SAN JUAN 32-8 UNIT 220A
Common Well Name: SAN JUAN 32-8 UNIT 220A
Event Name: COMPLETION
Contractor Name: KEY ENERGY SVCS
Rig Name: KEY 29

Start: 6/19/2004 End: 7/19/2004
Rig Release: 7/19/2004 Group:
Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/5/2004	15:30 - 16:30	1.00	EVALFM	PRDT	COMPZN	PITOT READINGS. INITIAL FLOW - 1 3/4PSI(776MCFD) 15MIN FLOW - 4PSI(1.23MMCFD) 30MIN FLOW - 4PSI(1.23MMCFD) 45MIN FLOW - 4PSI(1.23MMCFD) 60MIN FLOW -
	16:30 - 17:30	1.00	EVALFM	SIPB	COMPZN	4PSI(1.23MMCFD) NO MIST SI FOR 60 MIN BUILD UP. INITIAL SI - 60PSI 15MIN SI - 165PSI 30MIN SI - 210PSI 45MIN SI - 240PSI 60MIN SI - 250PSI
	17:30 - 03:30	10.00	EVALFM	OTHR	COMPZN	PERFORM AIR ASSIST HYDRAULIC SURGES #21, #22 & #23 PRESSURING UP THE DP TO 1200PSI ON EACH BUILD UP & CSG TO 950PSI, 1000PSI & 1000PSI. PUMPED 1 GAL 450 FOAMER AHEAD OF 1ST SURGE FOLLOWED BY 3 - 20BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF BLK DUST, GRAY MIST, GRAY H2O & GRAY FOAM W/ SOME COAL CHIPS TO SURFACE. CIRCULATE INBETWEEN SURGES W/ WELL BRINGING BACK COAL CHIPS & LOTS OF FINES FOR 30MIN BEFORE CLEANING UP.
	03:30 - 03:45 03:45 - 06:00	0.25 2.25	EVALFM EVALFM	PULD OTHR	COMPZN COMPZN	TIH PICKING UP DP. TAG UP @ 3262'. R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 480PSI. RETURNS OF LT COAL CHIPS(1/2"- 1/4" IN SIZE) & HVY COAL FINES. 4 DN TO 3BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
7/6/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 500PSI. RETURNS OF HVY COAL CHIPS(1/2"- 1/4" IN SIZE) & COAL FINES. 4 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	07:00 - 07:30 07:30 - 17:00	0.50 9.50	EVALFM EVALFM	SFTY OTHR	COMPZN COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE. R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 460PSI. RETURNS OF HVY- LT COAL CHIPS(1/2"- 1/4" IN SIZE) & COAL FINES. 4 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	17:00 - 20:30	3.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3289'- 3320' W/ 1400CFM AIR, 06 BPH MIST W/ 1GAL 450 FOAMER+ 1/4 GAL INHIBITOR PR/ 10 BBLS OF PRODUCED H2O. CIRCULATING PRESSURE- 460PSI. RETURNS OF HVY- LT COAL CHIPS & FINES. 3 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	20:30 - 21:30	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/ 1400CFM AIR- MIST. NEVER DID CIRCULATE MIST TO SURFACE. HOLE GOT TIGHT.
	21:30 - 21:45	0.25	EVALFM	PULD	COMPZN	PULL UP TO 3257' LAYING DN 2-JTS OF DP.
	21:45 - 23:00	1.25	EVALFM	CIRC	COMPZN	R&R ESTABLISH GOOD CIRCULATION W/ 1400CFM AIR- MIST.
	23:00 - 23:15	0.25	EVALFM	PULD	COMPZN	TIH & TAG UP @ 3264'.
	23:15 - 06:00	6.75	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR, 06 BPH MIST W/ 1 GAL 450 FOAMER+ 1/4 GAL INHIBITOR PR/ 10 BBLS OF PRODUCED H2O. CIRCULATING PRESSURE- 500PSI. RETURNS OF HVY COAL CHIPS(1/4" IN SIZE) & HVY COAL FINES. 3 TO 4 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
7/7/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/1400CFM AIR, 06 BPH MIST W/1 GAL 450 FOAMER+ 1/4 GAL INHIBITOR PR 10 BBLS OF PRODUCED H2O. CIRCULATING PRESSURE- 480PSI. RETURNS OF 2 BKTS PR/ HR

CONOCOPHILLIPS CO
Operations Summary Report

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Legal Well Name: SAN JUAN 32-8 UNIT 220A
Common Well Name: SAN JUAN 32-8 UNIT 220A
Event Name: COMPLETION
Contractor Name: KEY ENERGY SVCS
Rig Name: KEY 29

Spud Date: 6/7/2004
Start: 6/19/2004 End: 7/19/2004
Rig Release: 7/19/2004 Group:
Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/7/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 19:00	11.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 480PSI. RETURNS OF LT COAL CHIPS & MOD COAL FINES. 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE. TIGHT HOLE FR 3282'- 88'. PUMPED OCCASIONAL 3-4 BBL H2O SWEEPS W/ WELL BRINGING BACK LOTS OF COAL CHIPS & FINES.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
	19:15 - 21:30	2.25	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 480PSI. RETURNS OF LT COAL CHIPS & MOD COAL FINES. 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE. TIGHT HOLE FR 3282'- 88'. PUMPED OCCASIONAL 3-4 BBL H2O SWEEPS W/ WELL BRINGING BACK LOTS OF COAL CHIPS & FINES.
7/8/2004	21:30 - 22:30	1.00	EVALFM	PULD	COMPZN	PULL UP INSIDE 7" CSG. MIST PUMP WENT DN BRIEFLY. TIH & TAG UP 3280'.
	22:30 - 03:30	5.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 480PSI. RETURNS OF MOD COAL CHIPS & FINES. 2 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE. TIGHT HOLE FR 3280'- 88'.
	03:30 - 06:00	2.50	EVALFM	PULD	COMPZN	PULL UP INSIDE 7" CSG. AIR UNITS RAN OUT OF FUEL. W O FUEL.
	06:00 - 10:00	4.00	RIGMNT	WOSP	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- WAIT ON DIESEL FUEL COMPRESSOR'S SERVICE.
	10:00 - 11:00	1.00	RPCOMP	TRIP	COMPZN	GIH W/ 6-1/4" DRLG ASSEMBLY F/ 3195 & TAG UP @ 3272'KB- SWITCH OUT F/ POWER UNIT T/ RIG HYDRAULICS TO RUN POWER SWIVEL.
7/9/2004	11:00 - 06:00	19.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- 88' W/ 1400CFM AIR- MIST CONTAINING 1- GAL F-450 FOAMER & 1/2 GAL CORRISION INHIBITOR / 10 BBLS OF PRODUCED Kfc WATER. CIRCULATING PRESSURE- 460-480PSI. RETURNS: LT COAL CHIPS & MOD COAL FINES. F/4 DOWN T/ 1-1/2 BKTS PR/ HR FR SAMPLE CATCHER. 95+% COAL, <05% SAND & SHALE. TIGHT HOLE FR 3282'- 88'KB, (IMPLEMENT 1-1/2 GALS OF EMI-744 SHALE STABILIZER & INCREASE FOAMER F/8-10 GALS / 20 BBLS @ 19:00, 7-7-04)
	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R CO COAL FR 3257'- T/3351' BACK UP F/3317'- T/ 3343' W/ 1400CFM AIR- MIST CONTAINING 1- GAL F-450 FOAMER & 1/2 GAL CORRISION INHIBITOR / 10 BBLS OF PRODUCED Kfc WATER. CIRCULATING PRESSURE- 460-480PSI. RETURNS: LT COAL 1/8" CHIPS & MOD COAL FINES UP T/4 BKTS PR/ HR FR SAMPLE CATCHER. 95+% COAL, <05% SAND, SILTSTONE, & SHALE. SMOOTH OUT WORK TIGHT HOLE SECTION F/ 3282'- 88'KB UTILIZING 1-1/2 GALS OF EMI-744 SHALE STABILIZER & INCREASE FOAMER F/8-10 GALS / 10 BBLS)
7/10/2004	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R CO COAL FR 3343'- T/3412'KB W/ 1400CFM AIR- MIST CONTAINING 1-1/2 GAL EMI-744 / 5- GAL F-450 FOAMER & 1/2 GAL CORRISION INHIBITOR / 10 BBLS OF PRODUCED Kfc WATER.

CONOCOPHILLIPS CO
Operations Summary Report

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Legal Well Name: SAN JUAN 32-8 UNIT 220A
Common Well Name: SAN JUAN 32-8 UNIT 220A
Event Name: COMPLETION
Contractor Name: KEY ENERGY SVCS
Rig Name: KEY 29

Start: 6/19/2004 End: 7/19/2004
Rig Release: 7/19/2004 Group:
Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/10/2004	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	CIRCULATING PRESSURE- 460-480PSI. RETURNS: LT COAL 1/8" CHIPS & MOD COAL FINES DOWN T/FINE POWDER F/4 DOWN T/2+ BKTS PR/ HR FR SAMPLE CATCHER. 95+% COAL, <05% SAND,SILTSTONE, & SHALE.
7/11/2004	06:00 - 08:00	2.00	EVALFM	OTHR	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R CO COAL FR 3380'- T/3412'KB W/ 1400CFM AIR- MIST CONTAINING 1-1/2 GAL EMI-744 / 5- GAL F-450 FOAMER & 1/2 GAL CORRISION INHIBITOR / 10 BBLs OF PRODUCED Kfc WATER. CIRCULATING PRESSURE- 460 UP T/600PSI, (UPPER HOLE SECTION F/3282-3288' WITH POSSIBLE SLOUGHING AROUND DC'S)
	08:00 - 10:00	2.00	RPCOMP	TRIP	COMPZN	WORK DRLG ASSEMBLY BACK UP HOLE F/3412-T/3257'KB
	10:00 - 06:00	20.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3257'- T/3288'KB W/ 1400CFM AIR- MIST CONTAINING 1- GAL F-450 FOAMER & 1/2 GAL CORRISION INHIBITOR / 10 BBLs OF PRODUCED Kfc WATER. CIRCULATING PRESSURE- 460 PSIG- (TIGHT HOLE SECTION F/3285-3288'KB)
7/12/2004	06:00 - 06:00	24.00	EVALFM	OTHR	COMPZN	RETURNS: LT COAL 1/8" CHIPS & MOD COAL FINES DOWN T/FINE POWDER 8+ BKTS DOWN T/2 PR/ HR FR SAMPLE CATCHER. 95+% COAL, <05% SAND,SILTSTONE, & SHALE. SAFETY MEETING PRIOR TO STARTING OPERATIONS- R&R CO COAL FR 3257'- T/3382'KB W/ 1400CFM AIR- MIST CONTAINING 1- GAL F-450 FOAMER & 1/2 GAL CORRISION INHIBITOR / 10 BBLs OF PRODUCED Kfc WATER. CIRCULATING PRESSURE- 460 PSIG- (TIGHT HOLE SECTION F/3285-T/3288'KB IS STILL NOTICEABLE)
7/13/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	RETURNS: LT COAL 1/8" CHIPS & MOD COAL FINES DOWN T/COFFEE GROUNDS 6 BKTS DOWN T/3 PR/ HR FR SAMPLE CATCHER. 95+% COAL, <05% SAND,SILTSTONE, & SHALE. R&R CO COAL FR 3351'- 82' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 480PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 BKTS PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 14:30	7.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3351'- 82' W/ 1400CFM AIR, 06 BPH MIST W/ 1GAL 450 FOAMER + 1/4 GAL INHIBITOR PR/ 10 BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 480PSI. WORK THROUGH OCCASIONAL TIGHT HOLE FR 3360'- 70'. RETURNS OF MOD- LT COAL FINES. 3 DN TO 1BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 05% SAND & SHALE.
	14:30 - 15:30	1.00	EVALFM	OTHR	COMPZN	MOMENTARILY STUCK PIPE @ 3360'. WORK PIPE UP HOLE LAYING DN 2- JTS TO 3289'.
	15:30 - 21:00	5.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3289'- 3320' W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 500PSI. RETURNS OF HVY COAL CHIPS(1/4"- 1/8") & FINES. 6 DN TO 3/4 BKT PR/ HR FR SAMPLE CATCHER. 85% COAL, 15% SHALE.
	21:00 - 06:00	9.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/ 1400CFM AIR, 06 BPH MIST W/1 GAL EMI- 744 POLYMER, 3 GAL 450 FOAMER + 1/4 GAL INHIBITOR PR/ 10 BBLs OF PRODUCED H2O. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 DN TO 1 1/2 BKTS PR/ HR FR SAMPLE CATCHER.

CONOCOPHILLIPS CO
Operations Summary Report

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Legal Well Name: SAN JUAN 32-8 UNIT 220A
Common Well Name: SAN JUAN 32-8 UNIT 220A
Event Name: COMPLETION
Contractor Name: KEY ENERGY SVCS
Rig Name: KEY 29

Start: 6/19/2004 End: 7/19/2004
Rig Release: 7/19/2004 Group:
Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/13/2004	21:00 - 06:00	9.00	EVALFM	OTHR	COMPZN	85% COAL, 15% SAND & SHALE.
7/14/2004	06:00 - 10:00	4.00	EVALFM	OTHR	COMPZN	R&R CO COAL @ 3351' W/ 1400CFM AIR- MIST W/ 1 GAL EMI- 744 POLY PR/ 10BBLs OF PRODUCED H2O. LITTLE TO NO CIRCULATION. HOLE TIGHT.
	10:00 - 11:00	1.00	EVALFM	PULD	COMPZN	SLOWLY WORK PIPE UP HOLE LAYING DN SEVERAL JTS OF DP.
	11:00 - 14:00	3.00	EVALFM	CIRC	COMPZN	BREAK CIRCULATION @ 3257' W/1600CFM AIR, 08 BPH MIST W/ 4GALS OF 450 FOAMER+ 1/4 GAL INHIBITOR & 1 GAL EMI- 744 POLY. CIRCULATING PRESSURE- 450PSI. RETURNS OF LT COAL CHIPS & FINES. 1 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 85% COAL, 15% SHALE.
	14:00 - 17:30	3.50	EVALFM	TRIP	COMPZN	TRIP FOR RR BUTTON BIT #2. PRESSURE TEST BLIND & PIPE RAMS WHILE OUT OF HOLE.
	17:30 - 18:30	1.00	EVALFM	OTHR	COMPZN	BREAK CIRCULATION @ 3257'. R&R CO COAL FR 3257'- 88' W/ 1600CFM AIR, 08 BPH MIST W/ 4 GAL 450 FOAMER+ 1/4 GAL INHIBITOR & 1 1/2 GAL POLY PR/ 10 BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 420PSI. RETURNS OF LT COAL FINES. 3/4 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
	18:30 - 19:00	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	19:00 - 04:00	9.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3289'- 3320' W/ 1600CFM AIR- MIST. CIRCULATING PRESSURE- 420PSI. RETURNS OF HVY- LT COAL CHIPS(1/4"- 1/8" IN SIZE) & COAL FINES. 6 DN TO 1/2 BKT PR/ HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
	04:00 - 06:00	2.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/ 1600CFM AIR- MIST. CIRCULATING PRESSURE- 480PSI. RETURNS OF HVY COAL CHIPS(1/4"- 1/8" IN SIZE) & FINES. 5 DN TO 4 BKTS PR/ HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
7/15/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO RUNNING COAL FR 3321'- 50' W/ 1600CFM AIR- MIST. CIRCULATING PRESSURE- 500PSI. RETURNS OF HVY COAL CHIPS & FINES. 4 DN TO 3 BKTS PR/ HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 12:00	4.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3321'- 50' W/ 1600CFM AIR, 08 BPH MIST W/ 5 GAL 450 FOAMER+ 1/4 GAL INHIBITOR & 2 GAL POLY PR/ 10 BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 520PSI. RETURNS OF HVY- LT COAL CHIPS(1/2"- 1/8" IN SIZE) & COAL FINES. 90% COAL, 10% SHALE.
	12:00 - 15:30	3.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3351'- 82' W/ 1600CFM AIR- MIST. CIRCULATING PRESSURE- 520PSI. RETURNS OF MOD COAL CHIPS & FINES. 2 DN TO 1/2 BKT PR HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
	15:30 - 18:30	3.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3382'- 3412' W/ 1600CFM AIR- MIST. CIRCULATING PRESSURE- 500PSI. RETURNS OF MOD COAL CHIPS & FINES. 2 DN TO 1/2 BKT PR HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
	18:30 - 19:00	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
	19:00 - 06:00	11.00	EVALFM	OTHR	COMPZN	R&R CO RUNNING COAL FR 3412'- 33' W/ 1600CFM AIR, 08 BPH MIST 4 GAL 450 FOAMER+ 1/4 GAL INHIBITOR & 2 GAL POLY PR/ 10 BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 520PSI. RETURNS OF HVY COAL CHIPS(1/8" IN SIZE) & HVY COAL FINES. 6 DN TO 4 BKTS PR/ HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
7/16/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3413'- 33' W/ 1600CFM AIR- MIST. CIRCULATING

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 220A
 Common Well Name: SAN JUAN 32-8 UNIT 220A
 Event Name: COMPLETION
 Contractor Name: KEY ENERGY SVCS
 Rig Name: KEY 29

Spud Date: 6/7/2004
 Start: 6/19/2004 End: 7/19/2004
 Rig Release: 7/19/2004 Group:
 Rig Number: 29

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/16/2004	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	PRESSURE- 520PSI. RETURNS OF HVY COAL CHIPS & FINES. 4 BKTS PR/ HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 19:00	11.50	EVALFM	OTHR	COMPZN	R&R CO RUNNING COAL FR 3413'- 43' W/ 1600CFM AIR, 08 BPH MIST W/ 5 GAL 450 FOAMER+ 1/4 GAL INHIBITOR & 2 GAL POLYMER PR/ 10 BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 520PSI. RETURNS OF HVY COAL CHIPS(1/2"- 1/8" IN SIZE) COAL FINES & SOME SHALE CHIPS. 4 UP TO 12 & BACK DN TO 6 BKTS PR/ HR FR SAMPLE CATCHER. 80% COAL, 20% SHALE.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
7/17/2004	19:15 - 06:00	10.75	EVALFM	OTHR	COMPZN	R&R CO RUNNING COAL & SHALE FR 3413'- 43' W/ 1600CFM AIR- MIST. CIRCULATING PRESSURE- 520PSI. RETURNS OF HVY COAL & SHALE CHIPS & COAL FINES. 6 DN TO 5 BKTS PR/ HR FR SAMPLE CATCHER. 70% COAL, 30% SHALE.
	06:00 - 07:00	1.00	EVALFM	OTHR	COMPZN	R&R CO RUNNING COAL FR 3413'- 43' W/ 1600CFM AIR- MIST. CIRCULATING PRESSURE- 520PSI. RETURNS OF HVY COAL CHIPS(1/2"- 1/8" IN SIZE) & FINES. 6 DN TO 3 BKTS PR/ HR FR SAMPLE CATCHER. 85% COAL, 15% SHALE.
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 12:00	4.50	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3413'- 43' W/ 1400CFM AIR, 08 BPH MIST W/5 GAL 450 FOAMER+ 1/4 GAL INHIBITOR & 3 GAL POLYMER PR/ 10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 480PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 DN TO 1 1/2 BKTS PR/ HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
7/18/2004	12:00 - 15:00	3.00	EVALFM	CIRC	COMPZN	R&R CO RAT HOLE BELOW BOTTOM COAL FR 3444'- 3533'(TD) W/ 1400CFM AIR- MIST. CIRCULATING PRESSURE- 480PSI. RETURNS OF LT COAL CHIPS & FINES.
	15:00 - 15:15	0.25	EVALFM	PULD	COMPZN	PULL UP TO 3443' LAYING DN 3- JTS OF DP.
	15:15 - 19:00	3.75	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3413'- 43' W/ 1400CFM AIR, 08 BPH MIST W/5 GAL 450 FOAMER+ 1/4 GAL INHIBITOR & 3 GAL POLYMER PR/ 10BBLs OF PRODUCED H2O. CIRCULATING PRESSURE- 480PSI. RETURNS OF HVY- MOD COAL CHIPS & FINES. 3 DN TO 1 1/2 BKTS PR/ HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
	19:00 - 19:15	0.25	EVALFM	SFTY	COMPZN	CREW CHANGE & SAFETY MEETING.
7/18/2004	19:15 - 04:30	9.25	EVALFM	OTHR	COMPZN	R&R CO COAL FR 3413'- 43' W/1400CFM AIR- MIST. CIRCULATING PRESSURE- 460PSI. RETURNS OF LT COAL CHIPS & FINES. 1 1/2 BKTS PR/ HR FR SAMPLE CATCHER. 90% COAL, 10% SHALE.
	04:30 - 06:00	1.50	EVALFM	TRIP	COMPZN	PULL UP LAYING DN 10-JTS OF 2 7/8" DP. HANG SWIVEL & POOH W/ BIT.
	06:00 - 07:00	1.00	EVALFM	RURD	COMPZN	RU TO RUN 5 1/2" CSG LINER. CONDUCT FLOW TEST THROUGH 2" CHOKE MANIFOLD USING PITOT READINGS INITIAL FLOW - 12PSI(2.14MMCFD) 15MIN FLOW - 15PSI(2.41MMCFD) 30MIN FLOW - 15PSI(2.41MMCFD) HVY MIST. 45MIN FLOW - 15PSI(2.41MMCFD) HVY MIST 60MIN FLOW - 15PSI(2.41MMCFD)
	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
7/18/2004	07:30 - 08:00	0.50	EVALFM	PRTS	COMPZN	PRESSURE TEST BLIND RAMS TO 500PSI. TEST 5 1/2" CSG RAMS TO 300PSI.
	08:00 - 09:00	1.00	EVALFM	PULD	COMPZN	MU 6 1/4" BIT ON BOTTOM OF SUB W/ FLOAT. MU ON BOTTOM OF 1-JT OF 5 1/2", 15.5#, LT&C CSG. TIH W/ 7 ADDITIONAL JTS(347' TOTAL).

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT 220A

Common Well Name: SAN JUAN 32-8 UNIT 220A

Event Name: COMPLETION

Contractor Name: KEY ENERGY SVCS

Rig Name: KEY 29

Start: 6/19/2004

Rig Release: 7/19/2004

Rig Number: 29

Spud Date: 6/7/2004

End: 7/19/2004

Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/18/2004	09:00 - 13:30	4.50	EVALFM	TRIP	COMPZN	MU 5 1/2"x7" H LATCH DROP OFF TOOL ON TOP OF CSG & TIH W/ 103-JTS OF 2 7/8" DP. WORKED THROUGH TIGHT HOLE FR 3280'-88' & TIGHT RAT HOLE FR 3450'- 3500'.
	13:30 - 13:45	0.25	EVALFM	OTHR	COMPZN	BACK OFF LINER & DROP OFF. BOTTOM OF BIT @ 3533', PBTD(3531') & LINER TOP @ 3182'.
	13:45 - 16:00	2.25	EVALFM	PULD	COMPZN	POOH LAYING DN DP & DCS.
7/19/2004	16:00 - 17:00	1.00	EVALFM	RURD	COMPZN	RD LIGHTS. SDFD.
	07:00 - 08:00	1.00	EVALFM	SFTY	COMPZN	SAFETY MEETING. RIG SERVICE. BLEED DN 270PSI SI CSG PRESSURE.
	08:00 - 10:00	2.00	EVALFM	PERF	COMPZN	RU BLUE JET WL. PERFORATE THE COALS W/ 228- .75" HOLES 4-JSPF AS FOLLOWS: 3434'- 38', 3421'- 30', 3412'- 18', 3342'- 46', 3328'- 39', 3314'- 17', 3307'- 11', 3286'- 89', 3266'- 71', 3246'- 51' & 3240'-43'. TOTAL OF 57'. ALL SHOTS FIRED OK.
	10:00 - 13:00	3.00	EVALFM	PULD	COMPZN	MU 2 7/8"x 30' SLOTTED MUD ANCHOR W/XO & 2 3/8"x1.78" F NIPPLE ON TOP. STRAP IN HOLE PICKING UP 110-JTS OF NEW 2 3/8", 4.7# EUE TBG.
	13:00 - 13:15	0.25	EVALFM	OTHR	COMPZN	MU & LAND TBG HANGER IN TBG HEAD W/ BOTTOM OF MA @ 3496' KB & F NIPPLE @ 3464'.
	13:15 - 15:00	1.75	EVALFM	NUND	COMPZN	ND BOP STACK. NU B-1 ADAPTER FLANGE, PUMPING T& ROD RADIGAN.
	15:00 - 17:30	2.50	EVALFM	PULD	COMPZN	PU 2"x 1 1/2" x12' RWAC-Z ROD PUMP(CP 137) & CHECK ACTION. TIH PU 139- 3/4" x 25' RODS. SPACE OUT ON SURFACE W/4' SUB & 22' x1 1/2" POLISH ROD. SEAT PUMP & TIGHTEN DN STUFFING BOX. PRESSURE TEST TBG TO 500PSI. MANUALLY STROKE PUMP UP TO 800PSI. HELD OK. CLAMP OFF & HANG POLISH ROD W/ PUMP 4" OFF BOTTOM. SWI.
	07:00 - 07:30	0.50	EVALFM	SFTY	DEMOB	SAFETY MEETING.
7/20/2004	07:30 - 16:00	8.50	EVALFM	RURD	DEMOB	RD KEY #29 TO MOVE. JOB COMPLETE.
	-					