

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, 20001a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Otherb. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.

Other _____

2. Name of Operator

CONOCOPHILLIPS CO.

3. Address

P.O. BOX 2197 WL3 4061 HOUSTON TX 77252

3.a Phone No. (Include area code)

(832)486-2326

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

At Surface SENW 1825' FNL & 1970' FWL

At top prod. interval reported below

At total depth

14. Date Spudded

06/03/2003

15. Date T.D. Reached

06/06/2003

16. Date Completed

☐ D & A ☒ Ready to Prod.

08/17/2003

5. Lease Serial No.

NMSF 078995

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

NMNM 78421C

8. Lease Name and Well No.

SAN JUAN 31-6 UNIT 234A

9. API Well No.

30-039-27336

10. Field and Pool, or Exploratory

BASIN FRUITLAND COAL

11. Sec., T., R., M., on Block and

Survey or Area F 29 31N 6W

12. County or Parish

RIO ARRIBA

13. State

NEW MEXICO

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

6490 GL

18. Total Depth: MD 3488

TVD 3488

19. Plug Back T.D.: MD 3486

TVD 3486

20. Depth Bridge Plug Set: MD

TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
none22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit analysis)Directional Survey? ☐ No ☒ Yes (Submit copy)

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13.5	9.625 H40	32.3	0	223		200 G		0	
8.75	7 J-55	20	0	3130		550 G		0	
6.25	5.5 J55	15.5	3077	3487		0		NA	

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	3298							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BASIN FRUITLAND	3137	3443	3137 - 3443	.75	228	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3137 - 3443	CAVITATE

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
09/17/03	08/07/03	24	→	0	1570	0			flowing
Choice Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
pitot	SI 0		→					producing	

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)

NMOCD

ACCEPTED FOR RECORD

OCT 01 2003

FARMINGTON FIELD OFFICE

BY

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.)

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
				NACIAMENTO	1145
				OJO ALAMO	2445
				KIRTLAND	2560
				FRUITLAND	3085
				PICTURED CLIFFS	3485

32. Additional remarks (include plugging procedure):

This is a single well producing from Basin Fruitland Coal. A current wellbore schematic and daily summaries are attached.

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) DEBORAH MARBERRYTitle REGULATORY ANALYSTSignature Deborah MarberryDate 09/16/2003

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.

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/15/2003	07:00 - 07:30	0.50	MV	c	80CMPL	SAFETY MEETING W/ALL PERSONNEL ON LOCATION.
	07:30 - 13:00	5.50	MV	1	80CMPL	MOVE KEY #29 TO SJ 31-6 #234A LOCATION.
	13:00 - 18:00	5.00	CM	6	80CMPL	RIG UP RIG. RU BLOOEY LINES. SDFD.
07/16/2003	07:00 - 07:15	0.25	CM	c	80CMPL	SAFETY MEETING.
	07:15 - 16:00	8.75	CM	6	80CMPL	RU RIG, BLOOEY LINES & WELD ON CAT WALK.
	16:00 - 17:15	1.25	CM	8	80CMPL	PRESSURE TEST TWO SETS OF PIPE RAMS TO 2000PSI. HELD OK. PRESSURE TEST CSG & BLIND RAMS TO 250PSI- 10MIN & 1800PSI- 30MIN ON A CHART AS PER NMOC.
07/17/2003	17:15 - 18:00	0.75	CM	1	80CMPL	PERFORM RIG INSPECTION.
	18:00 - 19:00	1.00	CM	2	80CMPL	MU 6 1/4" RR BUTTON BIT ON BOTTOM OF 1- 3 1/2" DC. STRAP IN HOLE PICKING UP 11 MORE. TIH W/5-JTS OF 2 7/8" DP. SWIFN
	07:00 - 07:30	0.50	CM	c	50PRDR	SAFETY MEETING.
	07:30 - 13:00	5.50	CM	2	50PRDR	CONTINUE IN HOLE PICKING UP DP. TAG UP @ 3053'.
	13:00 - 15:00	2.00	WO	7	50PRDR	WORK ON COMPUTER ON AIR COMPRESSORS.
	15:00 - 16:00	1.00	DR	1	50PRDR	PU SWIVEL & UNLOAD HOLE W/AIR. DRILL OUT CEMENT, FC @ 3092' & SHOE JT TO 3134'.
	16:00 - 19:00	3.00	DR	1	50PRDR	DRILL 6 1/4" OPEN HOLE FR 3135'- 3300' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. WOB : 4K TO 6K. 70RPMs. CIRCULATING PRESSURE- 400PSI. RETURNS OF COAL CHIPS, SHALE & SAND.
	19:00 - 19:15	0.25	DR	c	50PRDR	CREW CHANGE. SAFETY MEETING.
	19:15 - 01:00	5.75	DR	1	50PRDR	DRILL 6 1/4" OPEN HOLE FR 3300'- 3488' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 400PSI. RETURNS OF COAL CHIPS & SAND.
	01:00 - 06:00	5.00	DR	5	50PRDR	R&R CIRCULATE @ 3488'(TD) W/1800CFM AIR- MIST. EVALUATE THE COAL SHOWS ON MUD LOG AS FOLLOWS: 3136'- 37', 3138'- 40', 3162'- 68' & 3170'- 83'. SEMI BRT TO DULL BLACK COAL W/SOME GOOD TO FAIR CLEATING. 244 UNITS OF GAS. 3227'- 34' & 3236'- 47'. FLAT BLACK TO SEMI BRT SATIN COAL. FAIR CLEATING W/OCCASIONAL INTERSECTING CLEAT FACES. 120 UNITS OF GAS. 3293'- 3308' & 3320'- 33'. MOSTLY FLAT BLACK TO TO SEMI BRT SATIN COAL. FAIR CLEATING W/RARE INTERSECTING CLEAT FACES. 604 UNITS OF GAS. 3428'- 31', 3433'- 36' & 3439'- 45'. MOSTLY SEMI BRT INTERMEDIATE COAL W/FAIR CLEATING & RARE CONCLOIDAL FRACTURES. 700 UNITS OF GAS. TOTAL COAL- 78'.
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CIRCULATE HOLE CLEAN @ 3488' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 360PSI. CLEAN RETURNS.
07/18/2003	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 08:30	1.00	CM	1	80CMPL	R&R CIRCULATE @ 3488' W/1800CFM AIR. SHUT OFF MIST. CIRCULATING PRESSURE- 350PSI. NOCOAL RETURNS.
	08:30 - 09:00	0.50	CM	2	80CMPL	PULL UP INSIDE 7" CSG LAYING DN 11-JTS OF 2 7/8" DP.
	09:00 - 10:00	1.00	CM	u	80CMPL	CONDUCT INITIAL FLOW TEST OUT 2" LINE W/PITOT GUAGE. INITIAL FLOW - 245MCFD 15MIN FLOW - 281MCFD 30MIN FLOW - 315MCFD 45MIN FLOW - 363MCFD 60MIN FLOW - 372MCFD
	10:00 - 11:00	1.00	CM	t	80CMPL	CONDUCT INITIAL 60MIN SI INITIAL SI - 110PSI 15MIN SI - 170PSI 30MIN SI - 210PSI 45MIN SI - 270PSI

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A
 Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT
 Event Name: Original Completion
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Start: 07/14/2003
 Rig Release: 08/15/2003
 Rig Number: 29
 Spud Date: 06/03/2003
 End:
 Group:

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/18/2003	10:00 - 11:00	1.00	CM	t	80CMPL	60MIN SI - 275PSI
	11:00 - 18:00	7.00	CM	1	80CMPL	PERFORM AIR ASSIST SURGES #1,#2,#3,#4,#5 & #6 PRESSURING UP TO 1100PSI ON EACH BUILD UP. PUMP 3GAL OF SOAP AHEAD ON 1ST SURGE FOLLOWED BY 3- 5BBL H2O PADS SPACED THROUGH EACH BUILD UP. RETURNS OF HVY CLEAR MIST, FOAM & CLEAR H2O & MIST. NO COAL DUST OR COAL RETURNS.
	18:00 - 18:30	0.50	CM	2	80CMPL	TIH PICKING UP DP. TAG UP @ 3353'.
	18:30 - 19:00	0.50	CM	1	80CMPL	R&R CO COAL FR 3332'- 63' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF LG TO MOD COAL CHIPS. 2 DN TO 1 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 00:00	4.75	CM	1	80CMPL	R&R CO COAL FR 3363'- 94' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD COAL CHIPS & MOD- LT COAL FINES. 2 1/2 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	00:00 - 02:00	2.00	CM	1	80CMPL	R&R CO COAL FR 3395'- 3425' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF LT COAL CHIPS & LT COAL FINES. 1 1/2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	02:00 - 06:00	4.00	CM	1	80CMPL	R&R CO COAL FR 3426'- 3457' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD- LT COAL CHIPS & MOD- LT COAL FINES. 2 DN TO 1/4BKT PR/HR FR SAMPLE CATCHER. 90% COAL, 5% SHALE & 5% SAND.
	06:00 - 06:30	0.50	CM	2	80CMPL	PULL UP INSIDE 7" CSG LAYING DN 11-JTS OF 2 7/8" DP.
	06:30 - 16:15	9.75	CM	1	80CMPL	PERFORM AIR ASSIST SURGES #7,#8,#9,#10,#11 & #12 PRESSURING UP TO 1100PSI ON EACH BUILD UP. PUMP 3GAL OF FOAMER AHEAD OF 1ST SURGE FOLLOWED BY 3- 5BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF HVY BRN DUST, HVY WHITE H2O & FOAM W/SOME BRN MIST TOWARDS THE END.
	16:15 - 16:30	0.25	CM	2	80CMPL	TIH PICKING UP DP. TAG FILL @ 3278'.
	16:30 - 19:00	2.50	CM	1	80CMPL	R&R CO COAL FR 3272'- 3302' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 400PSI. RETURNS OF HVY COAL CHIPS & MOD- LT COAL FINES. 4 DN TO 2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
07/19/2003	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 21:00	1.75	CM	1	80CMPL	R&R CO COAL FR 3272'- 3302' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	21:00 - 23:00	2.00	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	23:00 - 01:00	2.00	CM	1	80CMPL	R&R CO COAL FR 3335'- 66' W/1800CFM AIR- MIST. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	01:00 - 02:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3367'- 98' W/1800CFM AIR- MIST. RETURNS OF LT COAL CHIPS & LT COAL FINES. 1 1/2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
	02:00 - 04:00	2.00	CM	1	80CMPL	R&R CO COAL FR 3398'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2 BKT PR/HR FR SAMPLE CATCHER.

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/19/2003	02:00 - 04:00	2.00	CM	1	80CMPL	95% COAL, 5% SAND.
	04:00 - 06:00	2.00	CM	1	80CMPL	R&R CO COAL FR 3426'- 57' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 380PSI. RETURNS OF HVY COALCHIPS & MOD COAL FINES. 4 DN TO 2 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
07/20/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3426'- 57' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD COAL CHIPS & MOD COAL FINES. 2 1/2 DN TO 2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 10:30	3.00	CM	1	80CMPL	R&R CO COAL FR 3426'- 57' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+ INHIBITOR. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	10:30 - 11:00	0.50	CM	2	80CMPL	PULL UP INSIDE 7" CSG LAYING DN 11-JTS OF 2 7/8" DP.
	11:00 - 18:15	7.25	CM	1	80CMPL	PERFORM AIR ASSIST SURGES #13,#14,#15 & #16 PRESSURING UP TO 1100PSI ON EACH BUILD UP. PUMPED 3GALS OF FOAMER AHEAD OF 3- 5BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF BLK DUST, HVY WHITE MIST & WHITE TO BLK FOAM W/LT COAL CHIPS.
	18:15 - 19:00	0.75	CM	2	80CMPL	TIH & BRK THROUGH LT BRIDGE @ 3145'.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 19:30	0.25	CM	2	80CMPL	CONTINUE IN HOLE PICKING UP DP. TAG FILL @ 3260'.
	19:30 - 20:30	1.00	CM	1	80CMPL	R&R CO COAL FR 3241'- 72' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	20:30 - 23:45	3.25	CM	1	80CMPL	R&R CO COAL FR 3272'- 3302' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD COAL CHIPS & LT COAL FINES. 3 DN TO 3/4BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	23:45 - 04:30	4.75	CM	1	80CMPL	R&R CO COAL FR 3303'- 3334' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD COAL CHIPS & MOD- LT COAL FINES. 4 DN TO 1BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	04:30 - 06:00	1.50	CM	1	80CMPL	R&R CO COAL FR 3335'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF HVY- MOD COAL CHIPS & MOD- LT COAL FINES. 4 DN TO 2 1/2BKTS PR/HR FR SAMPLE CATCHER.
07/21/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3334'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD COAL CHIPS & MOD- LT COAL FINES. 2 1/2 DN TO 2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 09:00	1.50	CM	1	80CMPL	R&R CO COAL FR 3334'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	09:00 - 14:30	5.50	CM	1	80CMPL	R&R CO COAL FR 3367'- 3397' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD- LT COAL CHIPS & MOD- LT COAL FINES. 3 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND &

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/21/2003	09:00 - 14:30	5.50	CM	1	80CMPL	SHALE.
	14:30 - 19:00	4.50	CM	1	80CMPL	R&R CO RUNNING COAL FR 3397'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF HVY- MOD COAL CHIPS & MOD COAL FINES. 4 DN TO 2 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE, SAFETY MEETING.
	19:15 - 21:00	1.75	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 1/2 DN TO 1/2BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	21:00 - 05:30	8.50	CM	1	80CMPL	R&R CO RUNNING COAL FR 3426'- 57' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF HVY- LT COAL CHIPS & MOD- LT COAL FINES. 4 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
07/22/2003	05:30 - 06:00	0.50	CM	2	80CMPL	PULL UP INSIDE 7" CSG LAYING DN 11-JTS OF 2 7/8" DP.
	06:00 - 07:00	1.00	CM	u	80CMPL	FLOW TEST THROUGH 2" LINE W/PITOT GUAGE. INITIAL FLOW - 356MCFD 15MIN FLOW - 490MCFD 30MIN FLOW - 610MCFD 45MIN FLOW - 742MCFD 60MIN FLOW - 742MCFD
	07:00 - 08:00	1.00	CM	t	80CMPL	SI FOR 60MIN BUILD UP INITIAL SI - 90PSI 15MIN SI - 110PSI 30MIN SI - 140PSI 45MIN SI - 170PSI 60MIN SI - 220PSI
	08:00 - 15:00	7.00	CM	1	80CMPL	PERFORM AIR ASSIST SURGES #17, #18, #19 & #20 PRESSURING UP TO 1100PSI ON EACH BUILD UP. PUMP 3GALS OF FOAMER ON 1ST SURGE FOLLOWED BY 3 5BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF BLACK DUST, DIRTY FOAM & HVY DARK MIST W/SOME RUNNING COAL CHIPS ON FINAL SURGE.
	15:00 - 15:15	0.25	CM	2	80CMPL	TIH PICKING UP DP. TAG UP @ 3300'.
07/23/2003	15:15 - 19:00	3.75	CM	1	80CMPL	R&R CO RUNNING COAL FR 3272'- 3302' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF HVY- MOD COAL CHIPS & MOD COAL FINES. 4 DN TO 3BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE, SAFETY MEETING.
	19:15 - 23:00	3.75	CM	1	80CMPL	R&R CO COAL FR 3272'- 3302' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 380PSI. RETURNS OF HVY- LT COAL CHIPS & MOD-LT COAL FINES. 3 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	23:00 - 06:00	7.00	CM	1	80CMPL	R&R CO RUNNING COAL FR 3333'- 65' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 350PSI. RETURNS OF HVY-MOD COAL CHIPS & MOD COAL FINES. 4 DN TO 2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD COAL CHIPS & LT COAL FINES. 2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE, SAFETY MEETING & RIG SERVICE.

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/23/2003	07:30 - 19:00	11.50	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 400PSI. RETURNS OF HVY COAL CHIPS & MED COAL FINES. 2 UP TO 4BKTS PR/HR FR SAMPLE CATCHER.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 06:00	10.75	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF HVY- LT COAL CHIPS & MOD- LT COAL FINES. 4 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE & SAND.
07/24/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF LT- MOD COAL CHIPS & LT- MOD COAL FINES. 1/2 UP TO 3BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 11:00	3.50	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 3 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	11:00 - 11:30	0.50	CM	2	80CMPL	PULL UP INSIDE 7" CSG LAYING DN 8- JTS OF 2 7/8" DP.
	11:30 - 18:30	7.00	CM	1	80CMPL	PERFORM AIR ASSIST SURGES #21, #22 & #23 PRESSURING UP TO 1100PSI ON EACH BUILD UP. PUMP 3GAL OF FOAMER AHEAD OF 1ST BUILD UP FOLLOWED BY 3- 5BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF BLACK DUST, HVY BLACK FOAM & MIST FOLLOWED BY RUNNING COAL.
	18:30 - 19:00	0.50	CM	2	80CMPL	TIH PICKING UP DP. TAG FILL @ 3285'.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 23:30	4.25	CM	1	80CMPL	R&R CO COAL FR 3271'- 3302' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 360PSI. RETURNS OF MOD COAL CHIPS & LT COAL FINES. 2 1/2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	23:30 - 06:00	6.50	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 350PSI. RETURNS OF HVY- MOD COAL CHIPS & MOD COAL FINES. 3 1/2 DN TO 2 1/2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
07/25/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD COAL CHIPS & MOD COAL FINES. 2 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD COAL CHIPS & COAL FINES. 2 1/2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL 5% SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 02:00	6.75	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 1/2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	02:00 - 03:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3335'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF LT COAL CHIPS & LT COAL FINES. 1 DN TO 1/2BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A
 Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT
 Event Name: Original Completion Start: 07/14/2003 End: 06/03/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 08/15/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/25/2003	03:00 - 04:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3366'- 3397' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF LT COAL CHIPS & LT COAL FINES. 1 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	04:00 - 05:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF LT COAL CHIPS & LT COAL FINES. 1 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	05:00 - 06:00	1.00	CM	1	80CMPL	R&R CO RUNNING COAL FR 3427'- 57' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF HVY COAL CHIPS & MOD COAL FINES. 4 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
07/26/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3427'- 57' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 380PSI. RETURNS OF MOD COAL CHIPS & MOD COAL FINES. 4 DN TO 3 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 09:45	2.25	CM	1	80CMPL	R&R CO COAL FR 3427'- 57' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD- LT COAL CHIPS & MOD- LT COAL FINES. 3 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	09:45 - 10:00	0.25	CM	2	80CMPL	PULL UP INSIDE 7" CSG LATING DN 11-JTS OF DP.
	10:00 - 11:00	1.00	CM	u	80CMPL	CONDUCT FLOW TEST OUT 2"LINE W/PITOT GUAGE. INITIAL FLOW - 534MCFD 15MIN FLOW - 640MCFD 30MIN FLOW - 710MCFD 45MIN FLOW - 790MCFD 60MIN FLOW - 790MCFD
	11:00 - 12:00	1.00	CM	t	80CMPL	SI FOR 60MIN BUILD UP. INITIAL SI - 110PSI 15MIN SI - 160PSI 30MIN SI - 210PSI 45MIN SI - 250PSI 60MIN SI - 250PSI
	12:00 - 21:00	9.00	CM	1	80CMPL	PERFORM AIR ASSIST SURGES # 24, #25, #26 & #27 PRESSURING UP EACH SURGE TO 1100PSI. PUMP 3GALS OF FOAMER AHEAD OF THE 1ST SURGE FOLLOWED BY 3- 5BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF BLACK DUST, BLACK MIST & HVY BLACK FOAM FOLLOWED BY BRIEF RUNNING COAL CHIPS.
07/27/2003	21:00 - 21:15	0.25	CM	2	80CMPL	TIH PICKING UP DP. TAG FILL @ 3284'.
	21:15 - 06:00	8.75	CM	1	80CMPL	R&R CO RUNNING COAL FR 3271'- 3302' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 1/2 UP TO 3 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO RUNNING COAL FR 3271'- 3302' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF HVY- MOD COAL CHIPS & MOD COAL FINES. 3 1/2 DN TO 2 1/2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 11:00	3.50	CM	1	80CMPL	R&R CO COAL FR 3271'- 3302' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD- LT COAL

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/27/2003	07:30 - 11:00	3.50	CM	1	80CMPL	CHIPS & LT COAL FINES. 2 1/2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	11:00 - 19:00	8.00	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 350PSI. RETURNS OF HVY COAL CHIPS & MOD COAL FINES. 4 DN TO 3BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	19:00 - 19:15	0.25	CM	1	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 06:00	10.75	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF HVY COAL CHIPS & LT COAL FINES. 3BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
07/28/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF HVY COAL CHIPS & MOD COAL FINES. 3 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 340PSI. RETURNS OF HVY COAL CHIPS & MOD COAL FINES. 3BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 02:30	7.25	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF HVY- LT COAL CHIPS & MOD- LT COAL FINES. 3 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	02:30 - 05:00	2.50	CM	1	80CMPL	R&R CO COAL FR 3335'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	05:00 - 06:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3366'- 97' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
07/29/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3366'- 97' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD COAL CHIPS & LT COAL FINES. 2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 08:45	1.25	CM	1	80CMPL	R&R CO COAL FR 3366'- 97' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	08:45 - 09:15	0.50	CM	2	80CMPL	PULL UP INSIDE 7" CSG & PERFORM SERVICE ON AIR- BOOSTER.
	09:15 - 09:30	0.25	CM	2	80CMPL	TIH PICKING UP DP & TAG FILL @ 3330'.
	09:30 - 14:00	4.50	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 3 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	14:00 - 19:00	5.00	CM	1	80CMPL	R&R CO COAL FR 3335'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD- LT COAL CHIPS & MOD COAL FINES. 3 DN TO 2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/29/2003	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 03:00	7.75	CM	1	80CMPL	R&R CO COAL FR 3335'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 340PSI. RETURNS OF MOD- LT COAL CHIPS & MOD- LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	03:00 - 05:00	2.00	CM	1	80CMPL	R&R CO COAL FR 3367'- 97' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 330PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
07/30/2003	05:00 - 06:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 330PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 330PSI. RETURNS OF LT COAL CHIPS & LT COAL FINES. 1 TO 1 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 17:00	9.50	CM	1	80CMPL	R&R CO RUNNING COAL FR 3397'- 3426' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 330PSI. RETURNS OF LT- HVY BACK TO LT COAL CHIPS & MOD TO LT COAL FINES. 1 1/2 UP TO 4BKTS & BACK DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
	17:00 - 19:00	2.00	CM	1	80CMPL	R&R CO COAL FR 3427'- 57' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 330PSI. RETURNS OF HVY COAL CHIPS & MOD COAL FINES. 3 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 05:30	10.25	CM	1	80CMPL	R&R CO COAL FR 3427'- 57' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 330PSI. RETURNS OF HVY- LT COAL CHIPS & MOD- LT COAL FINES. 3 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	05:30 - 06:00	0.50	CM	2	80CMPL	PULL-UP INSIDE 7" CSG LAYING DN-11-JTS OF 2-7/8" DP.
	06:00 - 07:00	1.00	CM	u	80CMPL	FLOW TEST THROUGH 2" LINE W/PITOT GUAGE. INITIAL FLOW - 810MCFD 15MIN FLOW - 1.11MMCFD 30MIN FLOW - 1.24MMCFD 45MIN FLOW - 1.24MMCFD 60MIN FLOW - 1.24MMCFD
	07:00 - 08:00	1.00	CM	t	80CMPL	SI FOR 60MIN BUILD UP. INITIAL SI - 90PSI 15MIN SI - 120PSI 30MIN SI - 190PSI 45MIN SI - 220PSI 60MIN SI - 250PSI
07/31/2003	08:00 - 17:30	9.50	CM	1	80CMPL	PERFORM AIR ASSIST SURGES #28, #29 & #30 PRESSURING UP EACH SURGE TO 1100PSI. PUMPED 3- 5BBL H2O PADS SPACED THROUGHOUT EACH BUILD UP. RETURNS OF HVY BLACK DUST, BLACK FOAM & MIST & RUNNING COAL. R&R IN CSG 30MIN AFTER EACH SURGE.
	17:30 - 18:00	0.50	CM	2	80CMPL	TIH PICKING UP DP. TAG FILL @ 3185.'
	18:00 - 20:45	2.75	CM	1	80CMPL	R&R CO COAL FR 3178'- 3208' W/1800CFM AIR, 10BPH MIST

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/31/2003	18:00 - 20:45	2.75	CM	1	80CMPL	W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 300PSI. RETURNS OF HVY- LT COAL CHIPS & HVY- LT COAL FINES. 4 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	20:45 - 03:00	6.25	CM	1	80CMPL	R&R CO COAL FR 3209'- 3240' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF HVY- LT COAL CHIPS & HVY- LT COAL FINES. 4 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	03:00 - 06:00	3.00	CM	1	80CMPL	R&R CO COAL FR 3240'- 71' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF HVY- MOD COAL CHIPS & MOD COAL FINES. 4 DN TO 2 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
08/01/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3240'- 71' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF MOD COAL CHIPS & MOD COAL FINES. 2 1/2 DN TO 2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 09:30	2.00	CM	1	80CMPL	R&R CO COAL FR 3240'- 71' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	09:30 - 19:00	9.50	CM	1	80CMPL	R&R CO COAL FR 3272'- 3303' W/1800CFM AIR, 10BPH MISTW/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 300PSI. RETURNS OF HVY COAL CHIPS & MOD COAL FINES. 4 DN TO 2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 23:45	4.50	CM	1	80CMPL	R&R CO COAL FR 3272'- 3303' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF MOD- LT COAL CHIPS & MOD- LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	23:45 - 06:00	6.25	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 300PSI. RETURNS OF HVY- MOD COAL CHIPS & HVY- MOD- COAL FINES. 4 DN TO 2 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
08/02/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 290PSI. RETURNS OF MOD COAL CHIPS & MOD COAL FINES. 2 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R CO RUNNING COAL FR 3303'- 34' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 290PSI. RETURNS OF HVY- MOD COAL CHIPS & HVY- MOD COAL FINES. 2 1/2 UP TO 4BKTS & BACK DN TO 2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 01:00	5.75	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 290PSI. RETURNS OF MOD- LT COAL CHIPS & MOD- LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	01:00 - 06:00	5.00	CM	1	80CMPL	R&R CO RUNNING COAL FR 3335'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 290PSI. RETURNS OF HVY- MOD COAL CHIPS & MOD- COAL FINES. 3 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A
 Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT
 Event Name: Original Completion Start: 07/14/2003 End: Spud Date: 06/03/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 08/15/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/03/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3335'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 290PSI. RETURNS OF MOD COAL CHIPS & HVY COAL FINES. 3 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R CO RUNNING COAL FR 3335'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 290PSI. RETURNS OF MOD COAL CHIPS & HVY COAL FINES. 3 DN TO 2 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 01:30	6.25	CM	1	80CMPL	R&R CO COAL FR 3335'- 66' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 290PSI. RETURNS OF MOD- LT COAL CHIPS & MOD- LT COAL FINES. 2 1/2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	01:30 - 05:00	3.50	CM	1	80CMPL	R&R CO COAL FR 3367'- 97' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 290PSI. RETURNS OF MOD- LT COAL CHIPS & MOD- LT COAL FINES. 2 DN TO 1/2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	05:00 - 06:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 290PSI. RETURNS OF MOD COAL CHIPS & HVY COAL FINES. 3 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
08/04/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 290PSI. RETURNS OF MOD COAL CHIPS & HVY- MOD COAL FINES. 3 DN TO 2 BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 10:00	2.50	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR. CIRCULATING PRESSURE- 290PSI. RETURNS OF MOD- LT COAL CHIPS & MOD- LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
08/05/2003	10:00 - 19:00	9.00	CM	1	80CMPL	R&R CO COAL FR 3427'- 3457' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 290PSI. RETURNS OF MOD- LT COAL CHIPS & HVY- LT COAL FINES. 3 DN TO 1BKT PR/ HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 06:00	10.75	CM	1	80CMPL	R&R CO COAL FR 3427'- 57' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR & START 1/2GAL POLYMER PR/10BPH FOAM. CIRCULATING PRESSURE- 310PSI. RETURNS OF LT COAL CHIPS & FINES. 1 DN TO 1/4BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND.
	06:00 - 07:00	1.00	CM	1	80CMPL	PULL UP INSIDE 7" CSG LAYING DN 11-JTS OF 2 7/8" DP.
	07:00 - 08:00	1.00	CM	u	80CMPL	CONDUCT 60MIN FLOW TEST OUT 2" LINE W/PITOT GUAGE. INITIAL FLOW - 1.24MMCFD 15MIN FLOW - 1.32MMCFD 30MIN FLOW - 1.44MMCFD 45MIN FLOW - 1.44MMCFD 60MIN FLOW - 1.44MMCFD
	08:00 - 13:00	5.00	CM	1	80CMPL	FLOW WELL NATURAL OUT BOTH BLOOEY LINES.

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A
 Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT
 Event Name: Original Completion
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Start: 07/14/2003
 Rig Release: 08/15/2003
 Rig Number: 29
 Spud Date: 06/03/2003
 End:
 Group:

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/05/2003	13:00 - 13:30	0.50	CM	2	80CMPL	TIH PICKING UP DP. TAG COAL FILL AT 3309'.
	13:30 - 19:00	5.50	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER+INHIBITOR & 1/2GAL POLYMER. CIRCULATING PRESSURE- 320PSI. RETURNS OF HVY- MOD COAL CHIPS & MOD-LT COAL FINES. 3 DN TO 2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 00:45	5.50	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	00:45 - 03:00	2.25	CM	1	80CMPL	R&R CO COAL FR 3335'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 1/2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	03:00 - 05:00	2.00	CM	1	80CMPL	R&R CO COAL FR 3367'- 97' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 320PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	05:00 - 06:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER, 1/2GAL INHIBITOR & 1/2GAL POLYMER. CIRCULATING PRESSURE- 320PSI. RETURNS OF LT COAL CHIPS & MOD COAL FINES. 2 1/2BKTS PR/HR FR SAMPLE CATCHER.
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD COAL CHIPS & LT COAL FINES. 2 1/2 DN TO 2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 09:45	2.25	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
08/06/2003	09:45 - 19:00	9.25	CM	1	80CMPL	R&R CO COAL FR 3427'- 57' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER, 1/2 GAL INHIBITOR & 1/2GAL POLYMER. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD- LT COAL CHIPS & MOD-LT COAL FINES. 3 DN TO 1BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 23:30	4.25	CM	1	80CMPL	R&R CO COAL FR 3427'- 57' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF LT COAL CHIPS & LT COAL FINES. 1 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	23:30 - 23:45	0.25	CM	2	80CMPL	PULL UP INSIDE 7" CSG LAYING DN 7 JTS OF 2 7/8" DP.
	23:45 - 05:45	6.00	CM	1	80CMPL	FLOW WELL NATURAL THROUGH BOTH BLOOEY LINES.
08/07/2003	05:45 - 06:00	0.25	CM	2	80CMPL	TIH PICKING UP DP. TAG COAL FILL @ 3308'.
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD COAL CHIPS & MOD COAL FINES. 2 1/2 DN TO 2BKTS PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	07:00 - 07:30	0.50	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING & RIG SERVICE.
	07:30 - 11:45	4.25	CM	1	80CMPL	R&R CO COAL FR 3303'- 34' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER & 1GAL POLYMER. CIRCULATING PRESSURE- 360PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A
 Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT
 Event Name: Original Completion Start: 07/14/2003 End: 06/03/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 08/15/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/07/2003	07:30 - 11:45	4.25	CM	1	80CMPL	1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SHALE.
	11:45 - 13:00	1.25	CM	1	80CMPL	R&R CO COAL FR 3335'- 66' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 1 1/2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	13:00 - 14:30	1.50	CM	1	80CMPL	R&R CO COAL FR 3367'- 97' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 360PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 1 1/2 DN TO 1/2 BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	14:30 - 16:00	1.50	CM	1	80CMPL	R&R CO COAL FR 3397'- 3426' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 360PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 1 1/2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	16:00 - 19:00	3.00	CM	1	80CMPL	R&R CO COAL FR 3427'- 57' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER & 1GAL POLYMER. 2 DN TO 1BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	19:00 - 19:15	0.25	CM	c	80CMPL	CREW CHANGE. SAFETY MEETING.
	19:15 - 21:30	2.25	CM	1	80CMPL	R&R CO COAL FR 3427'- 57' W/1800CFM AIR- MIST. CIRCULATING PRESSURE- 350PSI. RETURNS OF LT COAL CHIPS & LT COAL FINES. 1 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	21:30 - 22:00	0.50	CM	2	80CMPL	PULL UP INSIDE 7" CSG LAYING DN 7- JTS OF DP.
	22:00 - 23:00	1.00	CM	u	80CMPL	CONDUCT FLOW TEST OUT 2" LINE W/PITOT GUAGE. INITIAL FLOW - 1.37MMCFD 15MIN FLOW - 1.44MMCFD 30MIN FLOW - 1.52MMCFD 45MIN FLOW - 1.57MMCFD 60MIN FLOW - 1.57MMCFD
	23:00 - 04:00	5.00	CM	1	80CMPL	FLOW WELL NATURAL OUT BOTH BLOOEY LINES.
	04:00 - 04:30	0.50	CM	2	80CMPL	TIH PICKING UP DP. SLIDE THROUGH TIGHT SPOT @ 3310'. TAG FILL @ 3386'.
	04:30 - 06:00	1.50	CM	1	80CMPL	R&R CO COAL-FILL FR 3367'- 97' W/1800CFM AIR, 10BPH MIST W/1GAL FOAMER & 1GAL POLYMER. CIRCULATING PRESSURE- 350PSI. RETURNS OF MOD- LT COAL CHIPS & LT COAL FINES. 2 DN TO 1/2BKT PR/HR FR SAMPLE CATCHER. 95% COAL, 5% SAND & SHALE.
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3397' W / 1.8 MMCFD AIR, 10 BPH MIST, 1 GAL FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / T.S.T.M. WATER GAIN = 1/2 BUCKET PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
08/08/2003	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3488' TD W / 1.8 MMCFD AIR, 10 BPH MIST, 1 GAL FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / T.S.T.M. WATER GAIN = 6 DOWN TO 1 BUCKET PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 20:00	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA
	20:00 - 21:30	1.50	CM	g	80CMPL	FLOW WELL OUT BLOOE LINE'S TO CHECK HOLE CONDITION'S
	21:30 - 21:45	0.25	CM	1	80CMPL	RIH FROM 7" CSG & TAG BRIDGE @ 3426'
	21:45 - 04:15	6.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3488' TD = HAD SEVERAL

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/08/2003	21:45 - 04:15	6.50	CM	1	80CMPL	BRIDGE'S IN HOLE = 1.8 MMCFD AIR, 10 BPH MIST, 1 GAL FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL & FINE'S W / T.S.T.M. = 5 DOWN TO 1/2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 95% COAL & 5% SHALE
	04:15 - 04:45	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA
	04:45 - 05:00	0.25	CM	6	80CMPL	HANG BACK POWER SWIVEL
	05:00 - 06:00	1.00	CM	4	80CMPL	COOH W / DP, DC'S & BHA
08/09/2003	06:00 - 07:00	1.00	CM	4	80CMPL	COOH W / DP, DC'S & BHA = BIT BAD SHAPE, NO CONE'S & OUT OF GAGE BAD
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 09:30	2.00	CM	7	80CMPL	STANDBY W / O GOOD RERUN 6 1/4" BIT OFF RIG # 18
	09:30 - 10:00	0.50	CM	2	80CMPL	PU & MU GOOD RERUN 6 1/4" BIT & BIT SUB ON BOTTOM JT OF DP
	10:00 - 11:30	1.50	CM	4	80CMPL	RIH W / BHA & DP TAG @ 3320'
	11:30 - 11:45	0.25	CM	6	80CMPL	PU POWER SWIVEL
	11:45 - 19:00	7.25	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3333' W / 1.8 MMCFD AIR, 10 BPH MIST, 3 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = WELLBORE TIGHT = RETURN'S TO SURFACE, MED COAL & FINE'S W / T.S.T.M. WATER GAIN = 6 DOWN TO 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 80% COAL & 20% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	C/O & CONDITION HOLE T/3395' W / 1.8 MMCFD AIR, 10 BPH MIST, 3 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / T.S.T.M. WATER GAIN = 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 80% COAL & FINE'S W / 20% SHALE
08/10/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3395' W / 1.8 MMCFD AIR, 10 BPH MIST, 3 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / T.S.T.M. WATER GAIN = 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 80% COAL & FINE'S W / 20% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3456' W / 1.8 MMCFD AIR, 10 BPH MIST, 3 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, HEAVY TO MED COAL & FINE'S W / T.S.T.M. WATER GAIN = 9 DOWN TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 80% COAL & FINE'S W / 20% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3488' TD W / 1.8 MMCFD AIR, 10 BPH MIST, 2 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S W / T.S.T.M. WATER GAIN = 7 DOWN TO 3 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 80% COAL & FINE'S W / 20% SHALE
08/11/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3488' W / 1.5 MMCFD AIR, 8 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S, SHALE W / T.S.T.M. WATER GAIN = 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 70% COAL & FINE'S W / 30% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 14:30	7.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE FOR LINER T/3488' W / 1.5 MMCFD AIR, 3 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S, SHALE W / T.S.T.M. WATER GAIN = 4 TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 70% COAL & FINE'S W / 30% SHALE

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/11/2003	14:30 - 14:45	0.25	CM	4	80CMPL	PUH TO TIGHT SPOT F/3302'-T/3333' = ATTENTION RUNNING HEAVY COAL & SHALE F/3309'-T/3333'
	14:45 - 19:00	4.25	CM	1	80CMPL	R&R C/O & CONDITION HOLE FOR LINER F/3302'-T/3333' W / 1.5 MMCFD AIR, 10 BPH MIST, 3 GAL'S FOAMER, 2 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED TO HEAVY COAL, FINE'S & SHALE W / T.S.T.M. WATER GAIN = 4 TO 7 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 65% TO 70% COAL & FINE'S W / 30% TO 35% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE FOR LINER F/3302'-T/3333' W / 1.5 MMCFD AIR, 10 BPH MIST, 2 GAL'S FOAMER, 1 GAL POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL, FINE'S & SHALE = 4 TO 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 65% TO 70% COAL & FINE'S W / 30% TO 35% SHALE
08/12/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3333' W / 1.5 MMCFD AIR, 10 BPH MIST, 2 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL & FINE'S, SHALE & T.S.T.M. WATER GAIN = 4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 70% COAL & FINE'S W / 30% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 13:00	5.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3333' W / 1.5 MMCFD AIR, 10 BPH MIST, 2 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL, FINE'S & SHALE W / T.S.T.M. WATER GAIN = 3 T/4 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 65% TO 70% COAL & 30% T/ 35% SHALE
	13:00 - 13:30	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA
	13:30 - 14:30	1.00	CM	g	80CMPL	FLOW WELL NATURAL OUT BLOOIE LINE'S
	14:30 - 15:00	0.50	CM	4	80CMPL	RIH FROM 7" CSG & TAG FILL @ 3328'
	15:00 - 19:00	4.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE F/3302'-T/3333' W / 1.5 MMCFD AIR, 10 BPH MIST, 2 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL, FINE'S & SHALE = 4 T/ 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 65% COAL & 35% SHALE
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
08/13/2003	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3364' W / 1.5 MMCFD AIR, 10 BPH MIST, 2 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL, FINE'S & SHALE W / T.S.T.M. WATER GAIN = 4 T/ 5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 65% COAL & FINE'S W / 35% SHALE
	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3364' W / 1.5 MMCFD AIR, 10 BPH MIST, 3 GAL'S FOAMER, 1.5 GAL'S POLYMER & INHIBITOR = RETURNS TO SURFACE, MED COAL, FINES & SHALE = 4 BUCKETS PER HOUR OFF SAMPLE CATCHER = 70% COAL & 30% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 19:00	11.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3364' W / 1.5 MMCFD AIR, 12 BPH MIST, 2 GAL' FOAMER, 2 GAL'S POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED COAL, FINE'S & SHALE = 4 T/ 5 BUCKETS PER HOUR OFF SAMPLE CATCHER = 70% COAL & 30% SHALE = ATTENTION CHANGED POLYMER TO BEAR CAT POLYMER @ 16:00 PM

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/13/2003	07:30 - 19:00	11.50	CM	1	80CMPL	
	19:00 - 19:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:30 - 06:00	10.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3364' W / 1.5 MMCFD AIR, 10 BPH MIST, 2 GAL'S FOAMER, 2 GAL'S BEAR CAT POLYMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL, FINE'S & SHALE W / T.S.T.M. WATER GAIN = 4 DOWN TO 1.5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 70% COAL & 30% SHALE
08/14/2003	06:00 - 07:00	1.00	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3364' W / 1.5 MMCFD AIR, 10 BPH MIST, 2 GAL'S BARACAT POLYMER & INHIBITOR = RETURN'S TO SURFACE, LIGHT COAL & FINE'S W / T.S.T.M. WATER GAIN = 1.5 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 80% COAL & 20% SHALE
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 14:00	6.50	CM	1	80CMPL	R&R C/O & CONDITION HOLE T/3488' TD W / 1.5 MMCFD AIR, 10 BPH MIST, 4 TO 8 GAL'S BARACAT POLYMER, 3 TO 5 GAL'S FOAMER & INHIBITOR = RETURN'S TO SURFACE, MED TO LIGHT COAL, FINE'S & SHALE W / T.S.T.M. WATER GAIN = 4 DOWN TO 1/2 BUCKET'S PER HOUR OFF SAMPLE CATCHER = 90% COAL & 10% SHALE
	14:00 - 14:30	0.50	CM	4	80CMPL	PUH INSIDE 7" CSG W / BHA
	14:30 - 14:45	0.25	CM	6	80CMPL	HANG BACK POWER SWIVEL
	14:45 - 16:30	1.75	CM	4	80CMPL	COOH W / DP, DC'S & BHA
	16:30 - 18:00	1.50	CM	6	80CMPL	RU 5 1/2" EQUIPMENT
	18:00 - 18:45	0.75	CM	2	80CMPL	PU & MU BAKER 7" X 5 1/2" SLP-R HYDRAULIC HANER W / STEEL SLEEVE ON JT OF DP
	18:45 - 19:00	0.25	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	19:00 - 20:15	1.25	CM	2	80CMPL	GIH PU 6 1/4" BIT, BIT SUB, X-O F/ LT&C - T/STL FLUSH JT THREAD'S, 9 JT'S OF 5 1/2" J-55 15.50# STL FLUSH JT CSG, X/O F/ STL - T/ LT&C, HANGER BAKER SLP-R HYDRAULIC W / STEEL SLEEVE
	20:15 - 21:15	1.00	CM	4	80CMPL	RIH W / BHA & DP TO 3309'
	21:15 - 21:30	0.25	CM	6	80CMPL	PU POWER SWIVEL
08/15/2003	21:30 - 22:00	0.50	CM	1	80CMPL	WORKING LINER DOWNHOLE TO TD W / AIR ASSIST = SET HANGER & RELEASED OFF HANGER = 5 1/2" LINER SET AS FOLLOW'S 6 1/4" REED RERUN BIT SET @ 3487' 5 1/2" BIT SUB SET @ 3486' 5 1/2" STL CSG W / 2 X/O SET @ 3485' BOTTOM OF HANGER SET @ 3080' TOP OF HANGER SET @ 3077' 57'.33" OVERLAP OF 7" CSG SHOE
	22:00 - 22:30	0.50	CM	1	80CMPL	SECURED WELL & LOCATION = S.D.O.N.
	09:00 - 09:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	09:30 - 10:00	0.50	CM	6	80CMPL	RU RIG FLOOR TO COOH LAYING DOWN PIPE
	10:00 - 13:00	3.00	CM	2	80CMPL	COOH LAYING DOWN DP, DC'S & SETTING TOOL
	13:00 - 13:15	0.25	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	13:15 - 13:45	0.50	CM	6	80CMPL	RU BLUE JET PERFORATING EQUIPMENT
	13:45 - 15:00	1.25	CM	q	80CMPL	BLUE JET PERFORATED 5 1/2" LINER W / 3 1/8" CSG GUN'S, 4 SPF, 90 DEGREE PHASING, 0.75" DIA HOLE'S AS FOLLOW'S 3435'-49' = 5 FT = 20 HOLE'S

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000234A

Common Well Name: SAN JUAN 31-6 FRUITLAND #234A UNIT

Spud Date: 06/03/2003

Event Name: Original Completion

Start: 07/14/2003

End:

Contractor Name: KEY FOUR CORNERS

Rig Release: 08/15/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 29

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/15/2003	13:45 - 15:00	1.25	CM	q	80CMPL	3433'-36' = 3 FT = 12 HOLE'S 3428'-30' = 2 FT = 8 HOLE'S 3326'-32' = 6 FT = 24 HOLE'S 3321'-24' = 3 FT = 12 HOLE'S 3303'-08' = 5 FT = 20 HOLE'S 3294'-3300' = 6 FT = 24 HOLE'S 3244'-48' = 4 FT = 16 HOLE'S 3238'-42' = 4 FT = 16 HOLE'S 3227'-32' = 5 FT = 20 HOLE'S 3179'-83' = 4 FT = 16 HOLE'S 3171'-75' = 4 FT = 16 HOLE'S 3163'-67' = 4 FT = 16 HOLE'S 3137'-39' = 2 FT = 8 HOLE'S TOTAL 57 FT = 228 HOLE'S
	15:00 - 15:15	0.25	CM	6	80CMPL	RD BLUE JET PERFORATING EQUIPMENT
	15:15 - 15:45	0.50	CM	6	80CMPL	RU 2 3/8" EQUIPMENT
	15:45 - 16:15	0.50	CM	8	80CMPL	TEST 2 3/8" RAM'S = 200# 3 MIN'S & 1800# 10 MIN'S = GOOD TEST
	16:15 - 18:15	2.00	CM	2	80CMPL	GIH PU BHA & 2 3/8" TUBING OFF PIPE RACK T/3331'
	18:15 - 18:30	0.25	CM	1	80CMPL	SECURED WELL & LOCATION = S.D.O.N.
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:00	0.50	CM	1	80CMPL	LAND 2 3/8" TUBING HANGER W / TUBING SET AS FOLLOW'S 2 3/8" EXP CHECK SET @ 3331' 2 3/8" BOTTOM JT TUBING SET @ 3330' 2 3/8" FN W / 1.78" PROFILE SET @ 3299' 2 3/8" 105 JT'S TUBING SET @ 3298' TO HANGER @ SURFACE TOTAL OF 106 JT'S 2 3/8" EUE 8RD J-55 4.7# TUBING IN WELL ND BOP'S & NU WELLHEAD = TEST WELLHEAD SEAL TO 3000# = GOOD TEST = FINAL GAGE OF WELL ON 2" OPEN FLOW TEST W / PITOT TUBE = 12# - 2148 MCFD
08/16/2003	08:00 - 10:00	2.00	CM	e	80CMPL	RD & RELEASED RIG & EQUIPMENT = ON 08 / 15 / 2003 @ 15:00 PM = ATTENTION AIR BOOSTER STARTER WENT OUT WILL PUMP-OFF EXP CHECK TOMORROW BEFORE RIG MOVE = SECURED WELL & LOCATION = S.D.O.N.
	10:00 - 15:00	5.00	MV	6	70DMOB	

END OF WELL SCHEMATICWell Name: **SAN JUAN 31-6 # 234A**API #: **30-039-27336**Spud: **3-Jun-03**TD 8-3/4" Hole: **6-Jun-03**Release Drl Rig: **7-Jun-03**Move in Cav. Rig: **14-Jul-03**TD 6-1/4" Hole: **17-Jul-03**Release Cav. Rig: **15-Aug-03****Surface Casing**Date set: **4-Jun-03**☒ New
☐ UsedSize **9 5/8** inSet at **223** ft # Jnts: **7**Wt. **32.3** ppf Grade **H-40**Hole Size **13 1/2** in See comments belowWash Out **96** %Est. T.O.C. **SURFACE**Csg Shoe **223** ftTD of 12-1/4" hole **223** ft

Notified BLM @ _____ hrs

on _____

Notified NMOCD @ _____ hrs

on _____

Intermediate CasingDate set: **6-Jun-03**☒ New
☐ UsedSize **7** in **77** jtsSet at **3130** ft pupsWt. **20** ppf Grade **J-55**Hole Size **8 3/4** inWash Out **150** %Csg Shoe **3130** ftEst. T.O.C. **SURFACE**TD of 8-3/4" Hole **3150** ft

Notified BLM @ _____ hrs on _____

Notified NMOCD @ _____ hrs on _____

Production LinerDate set: **13-Aug-03**☒ New
☐ UsedSize **5 1/2** in Connections: **STL**Blank Wt. **15.5** ppfGrade **J-55**# Jnts: **9**Hole Size **6 1/4** inBtm of Liner **3487** ftTop of Liner **3077** ftPBSD / Top of Bit Sub **3486**Bottom of Liner / Bottom of 6-1/4" Bit: **3487**TD **3,488** ft**Surface Cement**Date cmt'd: **4-Jun-03**Lead : **200** sx Class G Cement+ **2%** S001 Calcium Chloride+ **0.25** lb/sx D029 Cellophane Flakes**1.16** cuft/sx, **232** cuft slurry at **15.8** ppgDisplacement: **15.0** bbls fresh wtrBumped Plug at: **00:15** hrsFinal Circ Press: **72** psiReturns during job: **YES**CMT Returns to surface: **8** bblsFloats Held: **No floats used**W.O.C. for **7.25** hrs (plug bump to casing test)**Intermediate Cement**Date cmt'd: **6-Jun-03**Lead : **450** 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, **1175** cuft slurry at **11.7** ppgTail : **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** ppgDisplacement: **125** bbls Fresh WtrBumped Plug at: **22:15** hrs w/ **1222** psiFinal Circ Press: **705** psiReturns during job: **YES**CMT Returns to surface: **30** bblsFloats Held: ☒ Yes ☐ No**UNCEMENTED LINER****COMMENTS:**

Surface: Drilled surface hole with 12-1/4" bit. Attempted to run 9-5/8" casing - unable to get below 90'. LD casing, reamed with 13-1/2" bit, ran casing - ok. No float eqpt was run. Ran a guide shoe and an aluminum baffle plate 1 jt above guide shoe. Displaced top wiper plug with water. Shut-in casing head and WOC 4 hrs before backing out landing jt.

Intermediate:Production: **6 1/4" BIT, BIT SUB & FLOAT RUN ON BOTTOM JOINT OF LINER**

Perforated 5-1/2" liner and ran 2-3/8" tubing (End of Tubing at 3331 ft) in flowing gas well configuration.

CENTRALIZERS:Surface: **CENTRALIZERS @ 202', 192', 163', & 134'**Total: **4**Intermediate: **CENTRALIZERS @ 3120', 3086', 3004', 2922', 2842', 2670', & 199'**Total: **7****TURBOLIZERS @ 2554', 2512', 2471'**Total: **3**