

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1. Type of Well ☐ Oil Well ☐ Gas Well ☒ Dry Other _____
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator
CONOCOPHILLIPS 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 910' FSL & 685' FEL
At top prod. interval reported below
At total depth

5. Lease Serial No.
NMSF 079381

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 203A

9. API Well No.
30-045-31338

10. Field and Pool, or Exploratory
BASIN FRUITLAND COAL

11. Sec., T., R., M., on Block and
Survey or Area P 33 32N 8W

12. County or Parish SAN JUAN 13. State NEW MEXICO

16. Date Completed ☒ D & A ☒ Ready to Prod.
06/25/2003

17. Elevations (DF, RKB, RT, GL)*
6712 GL

18. Total Depth: MD 3800
TVD 3800

19. Plug Back T.D.: MD 3751
TVD 3751

20. Depth Bridge Plug Set: MD
TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
CR/CCL, CBL

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	9.625 H40	32.3	0	232		160		0	
7.875	5.5 J55	17	0	3798		715		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	3684							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FRUITLAND COAL	3590	3610	3590 - 3610	.75	80	OPEN
B) FRUITLAND COAL	3487	3411	3487 - 3411	.75	24	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
3590 - 3610	FRAC W/32,974 GALS 2% KCL WATER, 73,500 20/40 BRADY SAND
3487 - 3411	FRAC W/125,000# 20/40 SAND

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
07/08/03	06/20/03	24	→	0	3300	50			FLOWING
Choke Size	Thg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2"	0	500	→					PRODUCING GAS WELL	

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	Thg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Well Status		

ACCEPTED FOR RECORD

JUN 12 2003

FARMINGTON FIELD OFFICE

NMOC

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

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	862
				OJO ALAMO	2322
				KIRTLAND	2372
				FRUITLAND	3227
				PICTURE CLIFFS	3607

32. Additional remarks (include plugging procedure):

This well is a single producing Basin Fruitland Coal well. Attached are the daily summaries and the wellbore schematic.

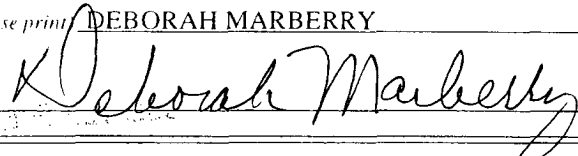
33. Circle enclosed attachments:

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 ANALYST

Signature


Date 08/13/2003

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 32-8 UNIT FRUITLA 000203A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #203A UNIT
 Event Name: Original Completion Start: 05/08/2003 End: 05/11/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 06/24/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 63

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
05/24/2003	06:30 - 08:00	1.50	CM	f	80CMPL	RIH w/ 5 1/2" CIBP. Set plug @ 3736'.
	08:00 - 09:00	1.00	CM	f	80CMPL	Attempted to test 5 1/2" csg. Pressured up to 4000#. Would not hold. Pumped in to 5 1/2" @ 1/8 BPM @ 4000#. Shut down. CSG bled down to 100 # per min down to 1200#. CSG held 1200#. Attempted to test csg 3 times.
06/04/2003	09:00 - 11:30	2.50	CM	f	80CMPL	Ran GR/CCL Log from 3736' to surface.
	11:00 - 15:00	4.00	MV	1	80CMPL	MI, SPOT ALL EQUIP. AND RU. ND FRAC VALVE NU BOP'S. PSI TEST BLIND RAMS TO 250# LOW FOR 10 MINS AND 3000# HIGH FOR 15 MINS. BOTH HELD OK. PSI 2 3/8" PIPE RAMS TO 250# LOW FOR 10 MINS AND 3000# HIGH FOR 15 MINS. BOTH HELD OK.
	15:00 - 16:00	1.00	CM	2	80CMPL	PU AND RIH W/ 5 1/2" FULL BORE PKR AND 29 JTS 2 3/8" TBG. SET PKR @ 915'.
	16:00 - 16:30	0.50	CM	9	80CMPL	RU PUMP TO TBG. PSI TESTED CSG VIA DOWN TBG. TO 1500#. FOR 10 MINS. HELD OK. TESTED DOWN BACKSIDE. TO 1500#. LOST 750# IN 30 SEC.
	16:30 - 17:00	0.50	CM	9	80CMPL	REL PKR. PUH 1 JT TO 884' SET PKR. TEST CSG. DOWN BACKSIDE TO 1500# FOR 10 MINS HELD OK. DETERMINED THAT PORTED COLLAR SET @ 895' IS LEAKING.
	17:00 - 17:30	0.50	CM	4	80CMPL	REL PKR. TOO H W/ 29 JTS 2 3/8" TBG AND 5 1/2" FULL BORE PKR. SWI SDFN
06/05/2003	07:00 - 07:30	0.50	CM	9	80CMPL	HELD SAFETY MEETING W/ CREW AND TOOL HAND. SICP 0#
	07:30 - 08:30	1.00	CM	4	80CMPL	PU AND RIH W/ PORTED COLLAR CLOSING TOOL AND 29 JTS TBG. OPENED PORTED COLLAR. TRY TO BREAK CRIC. THUR BRADEN HEAD. NO SUCCESS. CLOSED PORTED COLLAR. TOO H W/ TBG. AND CLOSING TOOL. PSI TEST CSG TO 1500#. LOST 700# IN 1 MIN.
	08:30 - 10:30	2.00	WO	r	80CMPL	WO BLUE JET TO ARRIVE TO LOC. TO RUN CMT BOND LOG
	10:30 - 12:00	1.50	LG	1	80CMPL	RU BLUE JET. PU AND RIH W/ CMT BOND LOG. RUN LOG FROM 1000' TO 230'. FOUND GOOD CMT BOND. WITH EXCEPTION. FROM 900' TO 840'. SAND FORMATION LOOKS TO HAVE TAKEN CMT. RD BLUE JET.
	12:00 - 13:00	1.00	CM	9	80CMPL	TIH W/ OPENING TOOL AND TBG. OPENED PORTED COLLAR. TOO H W/ SAME. PUMPED IN TO FORMATION @ 1.75 BPM @ 900#.
	13:00 - 14:00	1.00	CM	z	80CMPL	CALL AND DISCUSSED SQZ PROCEDURES W/ BAKER OIL TOOLS DETERMINED. X-OVER SUBS AND AND SQZ TOOLS WILL HAVE TO BE MANUFACTURED.
06/06/2003	14:00 - 14:30	0.50	CM	z	80CMPL	SWI SDFN
	07:00 - 08:00	1.00	CE	c	80CMPL	HELD SAFETY MEETING W/ RIG CREW CMT CREW AND TOOL HAND. SICP 0#
	08:00 - 09:00	1.00	CE	m	80CMPL	PU AND RIH W/ PORTED COLLAR SQZ. TOOLS AND 29 JTS 2 3/8" TBG. LOCATED PORTED COLLAR. CLOSED THAN OPENED COLLAR.
06/10/2003	09:00 - 12:00	3.00	CE	m	80CMPL	RU HALLIBURTON. PUMPED 75 SX. (12 BBLS) CLASS B CMT @ 1000# 1.5 BPM. SQZ. LOCKED UP @ 2500# APPROX. 5 BBLS CMT BEHINED PIPE. PULL TOOLS UP HOLE 30'. REV. OUT. PSI UP ON EQUALIZING SUB TO 3800#. POOH W/ TBG AND SQZ TOOLS. SWI W/ 500# ON CSG SDFWE.
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W/ ALL PERSONNEL ON LOCATION
	07:30 - 08:00	0.50	CM	6	80CMPL	0# PRESSURE ON WELLBORE = RU 4 3/4" BIT & SUB ON TUBING
	08:00 - 08:30	0.50	CM	4	80CMPL	RIH W/ BHA & 2 3/8" TUBING TO 1200' = NO CMT ACROSS 5 1/2" PORTED COLLAR
	08:30 - 09:00	0.50	CM	4	80CMPL	COOH W/ TUBING & BHA
	09:00 - 09:30	0.50	CM	6	80CMPL	RU WOOD GROUP TEST TRAILER TO TEST 5 1/2" CSG

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000203A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #203A UNIT
 Event Name: Original Completion Start: 05/08/2003 End: 05/11/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 06/24/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 63

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/10/2003	09:30 - 10:15	0.75	CM	9	80CMPL	TEST 5 1/2" LONGSTRING FOR STATE CSG INTEGRITY TEST = 200# 3 MIN'S & 700# 30 MIN'S = GOOD TEST = TESTED & CHARTED BY WOOD GROUP
	10:15 - 12:00	1.75	CM	2	80CMPL	GIH PU 2 3/8" TUBING OFF FLOAT TO TOP OF CIBP @ 3736'
	12:00 - 13:00	1.00	CM	4	80CMPL	COOH W / TUBING & BHA
	13:00 - 13:30	0.50	CM	2	80CMPL	PU & MU BAKER 5 1/2" FULLBORE PKR ON TUBING
	13:30 - 13:45	0.25	CM	1	80CMPL	SET 5 1/2" PKR @ SURFACE
	13:45 - 14:00	0.25	CM	9	80CMPL	TEST 5 1/2" CSG TO 2000# FOR 10 MIN'S = GOOD TEST
	14:00 - 14:15	0.25	CM	2	80CMPL	LAID DOWN BAKER PKR
	14:15 - 15:00	0.75	CM	1	80CMPL	SPOTTED DAY TANK, MOVED OUT TUBING FLOAT = SECURED WELL & LOCATION = S.D.O.N.
06/11/2003	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:15	0.75	CM	6	80CMPL	RU 2 7/8" RAM'S & EQUIPMENT
	08:15 - 08:45	0.50	CM	8	80CMPL	TEST 2 7/8" RAM'S = 200# 3 MIN'S & 1800# 10 MIN'S = GOOD TEST
	08:45 - 09:00	0.25	CM	1	80CMPL	SPOTTED 2 7/8" TUBING FLOAT
	09:00 - 09:15	0.25	CM	1	80CMPL	TALLY 2 7/8" TUBING
	09:15 - 09:45	0.50	CM	2	80CMPL	GIH PU 2 7/8" TUBING TO 1066'
	09:45 - 10:15	0.50	CM	4	80CMPL	COOH STANDING BACK 2 7/8" TUBING IN DERRICK
	10:15 - 10:45	0.50	CM	2	80CMPL	PU & MU BAKER 5 1/2" FULLBORE PKR
	10:45 - 11:00	0.25	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	11:00 - 11:30	0.50	CM	6	80CMPL	RU BLUE JET PERFORATING EQUIPMENT
	11:30 - 12:00	0.50	CM	q	80CMPL	RIH & PERFORATED LOWER FRUITLAND COAL INTERVAL W / 3 1/8" CSG GUN'S - 120 DEGREE PHASING - 12g 306-t CHARGE'S @ 0.34" DIA. HOLE'S - AS FOLLOW'S
	12:00 - 12:30	0.50	CM	6	80CMPL	3590'-3610' = 20 FT = 4 SPF = 80 HOLE'S = ONE GUN RUN
	12:30 - 13:00	0.50	CM	1	80CMPL	RD BLUE JET PERFORATING EQUIPMENT
						MOVE TUBING FLOAT & BOP SKID OUT OF WAY OF FRAC-TRUCK'S
06/12/2003	13:00 - 13:30	0.50	CM	4	80CMPL	RIH W / 5 1/2" BAKER FULLBORE PKR & 2 7/8" TUBING TO 1066'
	13:30 - 13:45	0.25	CM	1	80CMPL	SET 5 1/2" PKR @ 1075'
	13:45 - 14:45	1.00	CM	1	80CMPL	RU B0-2 CUPLER FOR FRAC-HEAD ON TUBING & BOP
	14:45 - 15:00	0.25	CM	1	80CMPL	SECURED WELL & LOCATION = S.D.O.N.
	06:00 - 06:15	0.25	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	06:15 - 08:00	1.75	CM	6	80CMPL	RU FRAC-HEAD & HALLIBURTON SURFACE LINE'S
	08:00 - 08:15	0.25	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	08:15 - 08:40	0.42	CM	8	80CMPL	TEST SURFACE LINE'S TO 4851# = SET POP-OFF @ 3605# = STEP RATE TEST 1872# TO 860#
	08:40 - 10:00	1.33	CM	s	80CMPL	HALLIBURTON PUMPED STIMULATION OF LOWER FRUITLAND COAL INTERVAL AS FOLLOW'S
						SPEARHEAD 1,025 GAL'S OF ACID
						PAD 7,363 GAL'S OF 2% & GEL
						TREATMENT FLUID 22,932 GAL'S OF 2% KCL & GEL WATER
						FLUSH 2,679 GAL'S 2% KCL WATER
						TOTAL 32,974 GAL'S OF 2% KCL WATER
						TOTAL SAND 73,500# OF 20 / 40 BRADY SAND IN STAGE'S OF 1# - 2# - 3# - 4# - 5# - 6#
						RATE 4.9 BPM ON ACID, 14.8 BPM ON PAD, 15.3 BPM ON 1# SAND, 15.4 BPM ON 2# SAND, 15.4 BPM ON 3# SAND, 15.5 BPM ON 4# SAND, 15.5 BPM ON 5# SAND & 15.5 BPM ON 6# SAND, 11.9 BPM ON FLUSH
						PRESSURE'S = ACID-1752#, PAD-2,223#, SAND STAGE'S F/2,219# T/1,950#
						ISIP-1,216#

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000203A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #203A UNIT Spud Date: 05/11/2003
 Event Name: Original Completion Start: 05/08/2003 End:
 Contractor Name: KEY FOUR CORNERS Rig Release: 06/24/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 63

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/12/2003	08:40 - 10:00	1.33	CM	s	80CMPL	5 MIN'S-738# 10 MIN'S-0#
	10:00 - 12:30	2.50	CM	g	80CMPL	WELL FLOWING BACK W / SAND = NOT ABLE TO GET FRAC-HEAD OFF TO PULL PKR = CANCEL SECOND STAGE STIMULATION ON FRUITLAND COAL INTERVAL
	12:30 - 14:45	2.25	CM	6	80CMPL	RD HALLIBURTON SURFACE LINE'S & BLUE JET PERFORATING EQUIPMEN & RELEASED HALLIBURTON & BLUE JET EQUIPMENT
06/13/2003	14:45 - 15:00	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 - 08:30	1.00	CM	6	80CMPL	RD FRAC-HEAD & BO-2 CUPLER = RELEASED BAKER FULLBORE PKR = HAD NO PRESSURE ON TUBING OR CSG
	08:30 - 09:00	0.50	CM	4	80CMPL	COOH W / 2 7/8" TUBING & PKR
	09:00 - 09:30	0.50	CM	2	80CMPL	RD 5 1/2" PKR = PU & MU 4 3/4" BIT & SUB ON 2 3/8" TUBING
	09:30 - 10:15	0.75	CM	4	80CMPL	RIH W / 4 3/4" BIT, BIT SUB & 2 3/8" TUBING TAG SAND FILL @ 3412'
	10:15 - 11:15	1.00	CM	5	80CMPL	CIRC W / AIR ASSIST TO CLEAN UP 5 1/2" CSG
	11:15 - 17:30	6.25	CM	1	80CMPL	C/O FRAC SAND T/3736' PBD & CIRC WELLBORE CLEAN W / AIR ASSIST
	17:30 - 17:45	0.25	CM	4	80CMPL	PUH T/3358' TO GET ABOVE LOWER FRUITLAND COAL PERFORATION'S
06/14/2003	17:45 - 18:00	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 - 07:45	0.25	CM	g	80CMPL	HAD 600# ON CSG = BLOW DOWN WELL
	07:45 - 08:00	0.25	CM	4	80CMPL	RIH F/3558' & TAG FILL @ 3720'
	08:00 - 09:15	1.25	CM	1	80CMPL	C/O TO PBD CIBP SET @ 3736', CIRC WELLBORE CLEAN OF SAND
	09:15 - 09:30	0.25	CM	4	80CMPL	PUH ABOVE LOWER FRUITLAND COAL PERFORATION'S T/3500'
	09:30 - 10:30	1.00	CM	u	80CMPL	TEST WELL OUT 2" LINE W / 1/2" CHOKE = WELL BLOWING STEADY @ 45# = 282 MCFD LOWER FRUITLAND COAL F/3590' - T/3610', 20 FT, 80 HOLE'S
	10:30 - 11:15	0.75	CM	4	80CMPL	COOH W / TUBING & BHA
	11:15 - 11:45	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	11:45 - 12:15	0.50	CM	6	80CMPL	RU BLUE JET PERFORATING EQUIPMENT
	12:15 - 12:45	0.50	CM	z	80CMPL	RIH & SET 5 1/2" HALLIBURTON COMPOSITE B.P. @ 3514'
	12:45 - 13:30	0.75	CM	9	80CMPL	LOAD & TEST BP T/2550# = GOOD TEST
	13:30 - 14:00	0.50	CM	q	80CMPL	RIH & PERFORATED UPPER FRUITLAND COAL INTERVAL W / 3 1/8" CSG GUN'S, 120 DEGREE PHASING, 12g 306T CHARGE'S, W / 1SPF @ 0.34" DIA HOLE'S AS FOLLOW'S
						3487'- 98' = 11 FT = 12 HOLE'S
						3411'- 22' = 11 FT = 12 HOLE'S
06/16/2003 06/17/2003 06/18/2003						TOTAL 22 FT & 24 HOLE'S
	14:00 - 14:15	0.25	CM	6	80CMPL	RD BLUE JET PERFORATING EQUIPMENT
	14:15 - 14:30	0.25	CM	2	80CMPL	PU & MU BAKER 5 1/2" FULLBORE PKR
	14:30 - 15:00	0.50	CM	4	80CMPL	RIH W / 2 7/8" TUBING & PKR = SET PKR @ 1075'
	15:00 - 17:00	2.00	CM	6	80CMPL	RU CAMERON BO-2 CUPLER & STIMULATION HEAD FOR UPPER COAL FRAC-JOB
	17:00 - 17:30	0.50	CM	1	80CMPL	SECURED WELL & LOCATION = SHUT DOWN OVER WEEKEND
	08:15 -					
	08:15 -					
	07:00 - 08:00	1.00	CM	c	80CMPL	RU HALLIBURTON. HELD SAFETY MEETING.
	08:00 - 10:30	2.50	CM	s	80CMPL	PSI TESTED LINES TO 5000# FOR 10 MINS HELD OK. SET POP OFF @ 3605#. ST LOAD AND BREAK DOWN. SPEAR HEADED 1000 GALS FORMIC ACID. FRAC FC PERFS FROM 3411' TO 3498'. W / 125,000# OF 20/40 BRADY SAND DELTA 140 SAND WEDGE. AVG.

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000203A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #203A UNIT
 Event Name: Original Completion Start: 05/08/2003 Spud Date: 05/11/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 06/24/2003 End:
 Rig Name: KEY ENERGY Rig Number: 63 Group:

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/18/2003	08:00 - 10:30	2.50	CM	s	80CMPL	RATE 26 BPM. AVG. PSI 3374#. MAX. PSI 3546#. (ONLY PUMP 70% OF SAND BEFORE FLUSH) ISIP 2340#.
	10:30 - 12:30	2.00	CM	s	80CMPL	RD HES.
	12:30 - 14:30	2.00	CM	e	80CMPL	WELL ON VAC. RD CAMERON B-2 FRAC HEAD. REL 5 1/2" PKR. TOOHL 26 JTS 2 7/8" TBG AND PKR.
	14:30 - 15:00	0.50	CM	1	80CMPL	SECURED WELL AND LOC. SDFN
06/19/2003	07:00 - 07:30	0.50	CM	c	80CMPL	80CMPL
	07:30 - 08:45	1.25	CM	2	80CMPL	HELD SAFETY MEETING W/ RIG CREW AND AIR HAND. SICIP 0#
	08:45 - 13:15	4.50	CM	1	80CMPL	PU AND RIH W/ 4 3/4" MT BIT, BIT SUB AND 107 TJS 2 3/8" TBG. TAGGED SAND @ 3337' 74' OF ON TOP OF TOP PERF.
						BROKE CRIC. W/ AIR MIST. UNLOADED APPROX. 30 BBLS FLUID TO PIT. C/O TO 3514' (COMP BP). WELL RETURNING HVY SAND AND HVY FLUID. R AND R PIPE FOR 5.5 HRS. WELL RETURNING LT SAND AND LT. WTR. APPROX. 3 BPH.
	13:15 - 14:00	0.75	CM	1	80CMPL	CUT MIST. WELL MAKING NO SAND AND APPROX. 3 BPH WTR.
	14:00 - 14:30	0.50	CM	u	80CMPL	CUT AIR. PUH TO 3327' TESTED UPPER FC THUR 1/4" CHOKE UP CASING.
	14:30 - 15:00	0.50	CM	u	80CMPL	CSG PSI 10#. TBG PSI 0#
	15:00 - 15:30	0.50	CM	u	80CMPL	CSG PSI 20#. TBG PSI 0#
	15:30 - 16:00	0.50	CM	u	80CMPL	CSG PSI 20#. TBG PSI 0#
	16:00 - 16:30	0.50	CM	u	80CMPL	CSG PSI 15# TBG PSI 0#
	16:30 - 17:00	0.50	CM	u	80CMPL	CSG PSI 10# TBG PSI 0#
	17:00 - 17:30	0.50	CM	u	80CMPL	CSG PSI 10# TBG PSI 0#
	17:30 - 18:00	0.50	CM	1	80CMPL	SECURED WELL AND LOC. SDFN
	07:00 - 07:30	0.50	CM	c	80CMPL	HELD SAFETY MEETING W/ CREW. SICIP 120#
06/20/2003	07:30 - 08:30	1.00	CM	4	80CMPL	BLOW WELL TO PIT. TIH W/ 4 STANDS 2 3/8" TBG. TAG FILL @ 3504 APPROX 12' OF FILL. BROKE CRIC. W/ AIR MIST.
	08:30 - 09:15	0.75	CM	1	80CMPL	C/O OUT FILL. D/O BP SET @ 3414' CRIC HOLE FOR 30 MINS.
	09:15 - 13:00	3.75	CM	1	80CMPL	TIH W/ 3 STANDS TBG. TAGGED BP SET @ 3736' BROKE CRIC. W/ AIR MIST. R AND R PIP FOR 4 HRS. WELL RETURNING NO SAND.
	13:00 - 14:00	1.00	CM	1	80CMPL	CUT MIST. FOR 1 HR. WELL MAKING APPROX. 15 BPH WTR.
	14:00 - 14:30	0.50	CM	4	80CMPL	PUH TO 3327' START TESTING FC PERFS FROM 3610' TO 3411' THRU 1/2"
	14:30 - 15:00	0.50	CM	u	80CMPL	CSG PSI 75# TBG 0#
	15:00 - 15:30	0.50	CM	u	80CMPL	CSG PSI 40# TBG 0#
	15:30 - 16:00	0.50	CM	u	80CMPL	CSG PSI 40# TBG 0#.
	16:00 - 16:30	0.50	CM	u	80CMPL	CSG PSI 35# TBG. 0#
	16:30 - 17:00	0.50	CM	u	80CMPL	CSG PSI 35# TBG 0#. FINAL TEST AS FOLLOWS: 330 MCF/D GAS. 50 BBLS WTR AND NO OIL.
	17:00 - 17:30	0.50	CM	u	80CMPL	SWI SDFWE.
	07:00 - 07:30	0.50	CM	c	80CMPL	HELD SAFETY MEETING W/ CREW. SICIP 500#
	07:30 - 08:00	0.50	CM	4	80CMPL	BLOW WELL TO PIT. TIH W/ 5 STANDS TBG. TAGGED UP @ 3736' (CIBP)
	08:00 - 08:15	0.25	CM	1	80CMPL	BROKE CIRC. W/ AIR MIST. UNLOADED APPORX. 15 BBLS WTR.
06/23/2003	08:15 - 11:00	2.75	CM	1	80CMPL	CRIC. HOLE FOR 2 HRS. WELL RETURNING APPROX. 8 BPH WTR AND NO SAND. TIH W/ 2 3/8" TBG AND BHA.
	11:00 - 13:00	2.00	LG	f	80CMPL	RU PROTECNICS AND H AND H SLICKLINE. PU AND RIH W/ TRACER LOG. LOG PERFS FOR 3610' TO 3411' POOH W/ LOGGING TOOLS. AND RD SAME.
	13:00 - 14:00	1.00	CE	1	80CMPL	SWI SDON. WO PUMP, RODS AND BOTTOM HOLE.
	07:00 - 07:30	0.50	CM	c	80CMPL	HELD SAFETY MEETING W/ CREW. SICIP 530#.
	07:30 - 10:30	3.00	CM	4	80CMPL	BLOW WELL TO PIT. PU AND RIH W/ HF PURGE VALVE, 1 JT 2 3/8" TBG, 6' PERFORATED SUB, 1.78" F-NIPPLE. AND 117 JTS 2 3/8"
06/24/2003						

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000203A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #203A UNIT
 Event Name: Original Completion Start: 05/08/2003 End: 05/11/2003
 Contractor Name: KEY FOUR CORNERS Rig Release: 06/24/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 63

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/24/2003	07:30 - 10:30	3.00	CM	4	80CMPL	TBG. LAND TBG. F-NIPPLE @ 3647.55' EOT @ 3684.18' ND BOP'S. NU PUMPING TEE.
	10:30 - 13:00	2.50	CM	1	80CMPL	PU AND RIH W/ 2" X 1 1/4" X 8' RHAC INSERT PUMP W/ 1' STRIANER. MAX STROKE 83". PUMP # CP 011, 4' X 3/4" PONY ROD. 145 3/4" SUCKER ROD 1 - 8' X 3/4" PONY ROD, 1 - 2' X 3/4" PONY ROD AND 22' SPRAYED METAL POLISH ROD. SEATED AND SPACED OUT PUMP. LOADED HOLE AND PSI TEST TBG TO 500#. HELD OK. BLED OFF PSI. LONG STROKE PUMP. PSI UP TO 500# IN 12 STROKES. HELD OK. BLED DOWN PSI.
	13:00 - 15:00	2.00	CM	z	80CMPL	PU TRASH ON LOC. RDMO FINAL REPORT.

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END OF WELL SCHEMATIC

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Well Name: **SAN JUAN 32-8 UNIT # 203A**API #: **30-045-31338**Spud Date: **11-May-03**Spud Time: **2100 HRS**TD Date: **5/14/2003**Rig Release Date: **5/16/2003**

7 1/16" 5M x 2 1/16" 5M Tree Adapter/Cap

11" 3M x 7 1/16" 5M Tubing Spool

9-5/8" 8 RD x 11" 3M Casing Head

Surface CasingDate set: **05/11/03**☒ New
☐ Used

Size **9 5/8** in
 Set at **232** ft # Jnts: **5**
 Wt. **32.3** ppf Grade **H-40**
 Hole Size **12 1/4** in
 Wash Out **100** %
 Est. T.O.C. **SURFACE** ft Csg Shoe **232** ft
 TD of surface **242** ft

Notified BLM @ **1700** hrs
 on **5/10/2003**
 Notified NMOCD @ **1700** hrs
5/10/2003

Ported collar @ **895** ft**Production Casing**Date set: **5/15/03**☒ New
☐ Used

Size **5 1/2** in
 Wt. **17** ppf Grade **J-55** from **12** to **3798** ft
 Wt. **17** ppf Grade **J-55** from **12** to **3798** ft
 Hole Size **7 7/8** in # Jnts: **85**
 Wash Out: **150** %
 Est. T.O.C. **SURFACE** ft
 Marker jnt @ **NA** ft

Notified BLM @ **2315** hrs
 on **5/14/2003**
 Notified NMOCD @ **2315** hrs
5/14/2003

FC **3751** ftCsg Shoe **3798** ftTD **3,800** ftMud Wt. @ TD **8.8** ppg**Surface Cement**

Date cmt'd: **5/11/2003**
 Lead: **160** sx Class G cement
 + **2%** S001 CaCl₂ + **0.25** lb/sx D-29
1.16 cuft/sx, **185.6** cuft at **15.8** ppg
 Displacement vol. & fluid.: **15.5** FW
 Bumped Plug at: **645**
 Pressure Plug bumped: **350** PSI
 Returns during job: **YES**
 CMT Returns to surface: **15** BBLS
 Floats Held: **Yes** **No**
 W.O.C. for **11.75** hrs (plug bump to drlg cmt)

Production Cement

Date cmt'd: **5/15/2003**
 Lead: **535** sx Class G cement
 + **3%** D079 Extender
 + **0.25** lb/sx D029 Cellophane Flakes
 + **5** lb/sx PhenoSeal
 + **0.2%** D046 Antifoam
2.61 cuft/sx, **1396** cuft at **11.7** pg
 Lead: **180** sx 50:50 POZ / Class G cmt
 + **2%** D020 Bentonite
 + **2%** S001 Calcium Chloride
 + **5** lb/sx D024 Gilsonite
 + **2.5** lb/sx Phenoseal
 + **0.25** lb/sx D029 Cellophane Flakes
 + **0.20%** D046 Antifoam
1.27 cuft/sx, **228.6** cuft at **13.5** ppg
 Displacement: **88** bbls 2%
 clay stabilizer water (L-64)
 Bumped Plug at: **2030** HRS
 Pressure Plug bumped: **1440** PSI
 Returns during job: **YES**
 CMT Returns to surface: **50** BBLS
 Floats Held: **X** Yes **No**

COMMENTS:Surface: **NO FLOAT EQUIPMENT RAN. SHUT-IN WITH PSI 140 PSI ON CASING.**Production: **PORTED COLLAR SET @ 895'****CENTRALIZERS:**Surface: **CENTRALIZERS @ 222', 144', 101', 58'**Total: **4**Production: **CENTRALIZERS @ 3788', 3706', 3616', 3525', 3435', 3389', 218'****TURBOLIZERS @ 2365', 2320', 2280'**Total: **10**