

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 ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

2003 SEP 22 AM 10: 57

070 Farmington, NM

2. Name of Operator
CONOCOPHILLIPS CO.3. Address
P.O. BOX 2197 WL3 4061 HOUSTON TX 772523.a Phone No. (Include area code)
(832)486-2326

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

At Surface 770' FSL & 1705' FEL

At top prod. interval reported below

At total depth

14. Date Spudded

06/12/2003

15. Date T.D. Reached

06/14/2003

16. Date Completed

☐ D & A ☒ Ready to Prod.
08/14/200318. Total Depth: MD 3765
TVD 376519. Plug Back T.D.: MD 3762
TVD 376220. Depth Bridge Plug Set: MD
TVD21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
GR/CCL22. 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	32.3 H40	0	219		135		0	
7.875	5.5	17 J55	0	3762		710		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	3626							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BASIN FRUITLAND	3524	3544	BASIN FRUITLAND	.75	80	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
3524 - 3544	FRAC W/78,000# 20/40 sand & 1467 bbls fluid

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
08/22/03	08/12/03	24	→	0	1500	120			flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2	0	450	→	0	1500	120		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. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

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

NMOC

ACCEPTED FOR RECORD

SEP 23 2003

FARMINGTON FIELD OFFICE

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	1065
				OJO ALAMO	2390
				KIRTLAND	2470
				FRUITLAND	3200
				PICTURE CLIFFS	3570

32. Additional remarks (include plugging procedure):

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

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geological Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) 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 32-8 UNIT FRUITLA 000248A

Common Well Name: SAN JUAN 32-8 FRUITLAND #248A UNIT

Spud Date: 06/12/2003

Event Name: Original Completion

Start: 06/11/2003

End:

Contractor Name: KEY FOUR CORNR'S

Rig Release: 08/13/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 63

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/19/2003	11:00 - 12:30	1.50	CM	1	80CMPL	Held safety meeting. Pressure tested 5 1/2" csg to 4800 #. held ok. swi.
06/24/2003	09:00 - 12:00	3.00	LG	z	80CMPL	Held safety meeting. RU Blue Jet. Ran GR/CCL log from 3690' to surface. SWI. RD Blue Jet.
06/26/2003	06:00 - 06:30	0.50	CM	c	80CMPL	Held safety meeting.
	06:30 - 08:00	1.50	CM	q	80CMPL	RU Blue Jet. Perforated the lower Fruitland Coal. RIH w/ 3 1/8" 120 degree select fire perforating gun. perforated from 3524' - 3544' w/ 4 spf. A total of 80 holes.
	08:00 - 11:00	3.00	CM	s	80CMPL	RU Halliburton. Frac the lower Fruitland Coal. Tested lines to 4932 #. Set pop off @ 4369 #. Brok down formation @ 5 BPM @ 970 #. Pumped pre pad w/ 25 # Polymer @ 20 BPM @ 1396. SDRT 15 BPM @ 1368 #. SDRT 10 BPM @ 1272 #. SDRT 5 BPM @ 1135 #. ISIP 1068 #. 5 min 662 #. 10 min 532 #. 15 min 402 #. 20 min 292 #. 25 min 219 #. 30 min 174 Pumped 1000 gals 10 % Formic acid @ 5 BPM @ 1288 #. Frac the Fruitland Coal w/ 25 # Delta frac 140 w/ WC WS. Pumped Pad w/ 25 # Polymer and 1750 # of 40/70 Arizona sand in pad. Pumped 95 % of total propent well locked up. did not appear to screen out (reason not determined yet). Pumped 78,000 # of 20/40 brady sand and 1467 bbls fluid. Avg rate 21 BPM. Avg pressure 1140 #. Max pressure 1580 #. Max sand cons 5 # per gal. Frac gradient .74. SWI. RD Halliburton.
08/01/2003	07:00 - 07:30	0.50	MV	c	70DMOB	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 09:00	1.50	MV	1	70DMOB	LOADING OUT EQUIPMENT ON FLOAT'S
	09:00 - 10:00	1.00	MV	n	70DMOB	MOVING RIG & EQUIPMENT TO LOCATION
	10:00 - 13:00	3.00	MV	6	00MMIR	MIRU KEY RIG # 63 & EQUIPMENT
	13:00 - 16:00	3.00	CM	6	80CMPL	NO PRESSURE ON WELL, ND FRAC-VALVE & NU BOP, RU BLOOIE LINE, RU CHOKE MANIFOLD & LINE'S & ALL GROUND LINE'S
	16:00 - 17:00	1.00	CM	8	80CMPL	TEST BLIND & PIPE RAMS', CHOKE MANIFOLD & VALVE'S = 200# 3 MIN'S & 1800# 10 MIN'S = GOOD TEST
08/02/2003	17:00 - 19:00	2.00	CM	2	80CMPL	GIH PU 4 3/4" BIT, BIT SUB, 2 7/8" EUE 8RD TUBING TAG SAND @ 2450' = 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	6	80CMPL	RU POWER SWIVEL
	08:00 - 09:30	1.50	CM	1	80CMPL	BREAK CIRC & C/O SAND BRIDGE @ 2450' W / AIR ASSIST
	09:30 - 09:45	0.25	CM	6	80CMPL	HANG BACK POWER SWIVEL
	09:45 - 11:00	1.25	CM	2	80CMPL	GIH PU 2 7/8" TUBING OFF FLOAT TAG SAND FILL @ 3000'
	11:00 - 11:15	0.25	CM	6	80CMPL	PU POWER SWIVEL
	11:15 - 16:00	4.75	CM	1	80CMPL	C/O SAND T/3714' PBTD W / AIR ASSIST = WELL STILL MAKING MED TO LIGHT SAND
08/05/2003	16:00 - 16:30	0.50	CM	4	80CMPL	PUH ABOVE LOWER FRUITLAND COAL PERF'S T/3200'
	16:30 - 17:00	0.50	CM	1	80CMPL	SECURED WELL & LOCATION = SHUT DOWN OVER WEEKEND
	07:00 - 07:30	0.50	CM	c	80CMPL	SAFETY MEETING W / ALL PERSONNEL ON LOCATION
	07:30 - 08:00	0.50	CM	4	80CMPL	RIH F/3200' & TAG SAND FILL @ 3600'
	08:00 - 15:00	7.00	CM	1	80CMPL	C/O SAND TO PBTD @ 3714' W / AIR ASSIST = WELL MAKING MED SAND DOWN TO TRACE OF SAND W / 17 BPH DOWN TO 9 BPH WATER
	15:00 - 15:30	0.50	CM	6	80CMPL	RD CIRC EQUIPMENT & RU TO COOH
	15:30 - 16:30	1.00	CM	4	80CMPL	COOH W / TUBING & BHA
	16:30 - 17:00	0.50	CM	1	80CMPL	SECURED WELL & LOCATION = S.D.O.N.
08/06/2003	06:00 - 08:30	2.50	CM	c	80CMPL	MONTHLY SAFETY MEETING IN KEYS YARD
	09:30 - 10:00	0.50	CM	c	80CMPL	HELD PJSA W/ BLUE JET AND RIG CREW. SICP 850#
	10:00 - 10:45	0.75	CM	v	80CMPL	BLOW WELL TO PIT. RU BLUE JET, PU AND RIH W/ 5 1/2" HALLIBURTON COMP BP. SET BP @ 3458' POOH W/ SETTING TOOL RD BLUE JET.
	10:45 - 12:00	1.25	CM	1	80CMPL	TIH W/ 72 JTS 2 7/8" TBG. LOADED HOLE W/ 80 BBLs 2% KCL.

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000248A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #248A UNIT Spud Date: 06/12/2003
 Event Name: Original Completion Start: 06/11/2003 End:
 Contractor Name: KEY FOUR CORNR'S Rig Release: 08/13/2003 Group:
 Rig Name: KEY ENERGY Rig Number: 63

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/06/2003	12:00 - 13:30	1.50	CM	4	80CMPL	TOOH W/ SAME
	13:30 - 14:00	0.50	CE	z	80CMPL	LUNCH
	14:00 - 15:00	1.00	CM	e	80CMPL	ND BOP'S NU FRAC VALVES AND Y.
	15:00 - 15:30	0.50	CM	8	80CMPL	PSI TESTED CSG AND FRAC STACK TO 4300# FOR 10 MINS HELD OK.
	15:30 - 16:30	1.00	CM	q	80CMPL	RU BLUE JET. PERFORATED UPPER FC FROM 3436' TO 3434' W/ 2 SPF, 3430' TO 3424' W/ 1 SPF, 3386' TO 3382' W/ 1 SPF, AND 3343' TO 3341' W/ 4 SPF 3 1/8" GUNS 120" PP 12G 306T .34 DIA. POOH W/ GUN
08/07/2003	16:30 - 16:45	0.25	CM	q	80CMPL	PU AND RIH W/ 2 ND GUN HAD MISS FIRE ON ALL SHOTS. RELOAD IN SHOP OVERNIGHT.
	16:45 - 17:00	0.25	CM	1	80CMPL	SWI SDFN
	06:45 - 07:00	0.25	CM	c	80CMPL	HELD SAFETY MEETING W/ BLUE JET AND RIG CREW. SICP 0#
	07:00 - 07:30	0.50	CM	q	80CMPL	PU AND RIH W/ 3 1/2" PERFORATING GUN. PERFORATED UPPER FC FROM 3334' TO 3333', 3322' TO 3321' 3300' to 3299' ALL 4 SPF. TOTAL HOLE FOR BOTH DAYS 36.
	07:30 - 08:00	0.50	CM	e	80CMPL	RU HALLIBURTON. HELD SAFETY MEETING.
	08:00 - 10:30	2.50	CM	s	80CMPL	PSI TESTED LINES TO 5500# FOR 10 MINS HELD OK. ST LOAD. BREAK DOWN AND BALL OFF. LOADED HOLE W/ 26 BBLs. BROKE @ 663#. DROPPED 29 BALLS @ 10 BPM BALL OFF @ 2100#.
	10:30 - 11:15	0.75	CM	s	80CMPL	RU BLUE JET. RIH W/ 5 1/2" JUNK BASKET. KNOCKED BALLS OFF PERFS. JUNK BASKET STUCK. TRYED TO WORK JUNK BASKET FREE. NO SUCCESS. PULLED OUT OF ROPE SOCKET.
	11:15 - 13:30	2.25	CM	s	80CMPL	ND FRAC STACK, NU BOP'S. PU AND RIH W/ 2 1/2" X 2" OVERSHOT AND 55 STANDS 2 7/8" TBG. ATTEMPTED TO RETRIEVE FISH. TOOH W/ SAME DID NOT RETRIEVE FISH. ND BOP'S NU FRAC STACK AND HALLIBURTON.
	13:30 - 15:00	1.50	CM	s	80CMPL	Frac the Upper Fruitland Coal. Tested lines to 5500 #. Set pop off @ 4360 #. Pumped pre pad w/ 10 # Polymer @ 30 BPM @ 2448 #. SDRT 24 BPM @ 2224 #. SDRT 20 BPM @ 2107 #. SDRT 15 BPM @ 1881 #. 5 min 149 #. 10 min 0 #. . Frac the Upper Fruitland Coal w/ 20 # Delta frac 140 w/ WC SW. Pumped 105,000 # 12/20 Brady sand. Put 100% of frac in formation. 1447 bbls fluid. Avg rate 45 BPM. Avg pressure 2594 #. Max pressure 3249 #. Max sand cons 5 # per gal. ISIP 1751 #. Frac gradient .84 Ran three isotopes. RD Halliburton.
	15:00 - 15:30	0.50	CM	1	80CMPL	SWI SDFN
08/08/2003	07:00 - 07:30	0.50	CM	c	80CMPL	HELD SAFETY MEETING W/ CREW. SICP 0#
	07:30 - 08:30	1.00	CM	e	80CMPL	ND FRAC STACK NU BOP'S AND TEST.
	08:30 - 10:00	1.50	CM	4	80CMPL	PU AND RIH W/ 4 3/4" MT BIT, BIT SUB AND 50 STANDS 2 7/8" TBG. TAG SAND @ 3170'
	10:00 - 17:00	7.00	CM	1	80CMPL	BROKE CRIC W/ AIR MIST C/O FROM 3170' TO 3450' WELL RETURNING MED TO LT. SAND AND APPROX. 10 BPH WTR.
	17:00 - 17:30	0.50	CM	4	80CMPL	PUH TO 3100'
08/09/2003	17:30 - 18:00	0.50	CM	1	80CMPL	SWI SDFN
	07:00 - 07:30	0.50	CM	c	80CMPL	HELD SAFETY MEETING W/ CREW. SICP 200#
	07:30 - 09:00	1.50	CM	1	80CMPL	BLOW WELL TO PIT. TIH W/ 5 STANDS TBG. TAG @ 3450' NO NEW FILL OVERNIGHT. BREAK CRIC W/ AIR MIST. CRIC. HOLE FOR 45 MINS. WELL RETURNING VERY LT. SAND AND WTR.
	09:00 - 10:30	1.50	FI	4	80CMPL	TOOH W/ 55 STANDS 2 7/8" TBG AND 4 3/4" MT BIT. PU AND RIH W/ 4 3/4" OVERSHOT, 2" GRAPPLE. AND 55 STANDS 2 7/8" TBG.
	10:30 - 11:45	1.25	FI	4	80CMPL	TAGGED TOF @ 3450' BROKE CRIC W/ AIR AND MIST. SET DOWN ON FISH. PULLED 10,000# OVER STRING WT. FISH DRAGGING FOR FRIST 30' THAN FREED UP. TOOH W/ TBG AND OVERSHOT.

Operations Summary Report

Legal Well Name: SAN JUAN 32-8 UNIT FRUITLA 000248A
 Common Well Name: SAN JUAN 32-8 FRUITLAND #248A UNIT
 Event Name: Original Completion
 Contractor Name: KEY FOUR CORNR'S
 Rig Name: KEY ENERGY
 Start: 06/11/2003
 Rig Release: 08/13/2003
 Spud Date: 06/12/2003
 End:
 Group:
 Rig Number: 63

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
08/09/2003	10:30 - 11:45	1.25	FI	4	80CMPL	DID NOT RETRIEVE FISH.
	11:45 - 12:30	0.75	FI	4	80CMPL	TIH W/ SAME TAGGED TOF @ 3450'
	12:30 - 15:00	2.50	FI	y	80CMPL	BROKE CRIC. W/ AIR MIST. CRIC HOLE FOR 1HR. LATCH ON TO FISH. PULLED 20,000# OVER STRING WT. DRUG FISH UP HOLE. 30'. LOST FISH. RUN BACH IN HOLE. LATCHED FISH. TOOH W/ TBG, OVERSHOT AND FISH. RECOVERED JUNK BASKET..
08/12/2003	15:00 - 16:30	1.50	CM	4	80CMPL	PU AND RIH W/ 4 3/4" MT BIT, BIT SUB, AND 45 STANDS 2 7/8" TBG.
	16:30 - 17:00	0.50	CM	1	80CMPL	SWI SDFWE
	07:00 - 07:30	0.50	CM	c	80CMPL	HELD SAFETY MEETING W/ CREW. SICP 200#.
	07:30 - 09:00	1.50	CM	4	80CMPL	BLOW WELL TO PIT. TIH W/ 5 STANDS TBG. TAG @ 3458' (BP). BROKE CRIC. W/ AIR MIST. UNLOADED APPROX. 3 BBLS FLUID TO PIT. CIRC HOLE FOR 45 MINS. WELL RETURNING NO SAND AND VERY LT WTR.
	09:00 - 09:30	0.50	CM	1	80CMPL	D/O COMP. BP SET 3458'
	09:30 - 12:00	2.50	CM	1	80CMPL	GIH W/ 4 STANDS TBG. TAG @ 3710' BREAK CRIC. W/ AIR MIST. UNLOADED APPROX. 5 BBLS FLUID. CRIC ON BOTTOM. FOR 2 HRS. WELL RETURNING NO SAND AND HVY WTR. APPROX. 12 BPH.
	12:00 - 12:30	0.50	CM	4	80CMPL	POOH W/ 9 STANDS TBG. TO 3100' INSTALL 1/2" CHOKE. ST. FLOW TESTING FC PERFS FROM 3299' TO 3436'
	12:30 - 13:00	0.50	CM	u	80CMPL	CSG 30# TBG 0#. NO WTR.
	13:00 - 13:30	0.50	CM	u	80CMPL	CSG 5# TBG 0#. NO WTR.
	13:30 - 13:45	0.25	CM	1	80CMPL	CHANGE OUT 1/2" TO 1/4" CHOKE
	13:45 - 14:15	0.50	CM	u	80CMPL	CSG 35# TBG 0#. NO WTR.
	14:15 - 14:45	0.50	CM	u	80CMPL	CSG 20# TBG 0# NO WTR.
	14:45 - 15:15	0.50	CM	u	80CMPL	CSG 10# TBG 0# NO WTR
	15:15 - 15:45	0.50	CM	u	80CMPL	CSG 5# TBG 0# NO WTR
	15:45 - 16:15	0.50	CM	u	80CMPL	CSG 5# TBG 0# NO WTR
	16:15 - 16:45	0.50	CM	u	80CMPL	CSG 5# TBG 0# NO WTR
	16:45 - 17:30	0.75	CM	u	80CMPL	REMOVED CHOKE. TEST RESULTS AS FOLLOWS: 150 MCF GAS/DAY, 120 BWRD AND NO OIL. SWI SDFN
08/13/2003	07:00 - 07:30	0.50	CM	c	80CMPL	HELD SAFETY MEETING W/ CREW. SICP 450#
	07:30 - 09:00	1.50	CM	4	80CMPL	POOH W/ 55 STANDS TBG. AND 4 3/4" MT BIT.
	09:00 - 13:30	4.50	LG	1	80CMPL	RU H AND H SLICK LINE PU AND RIH W/ PROTECHNICS TRACER LOGGING TOOL. RUN LOG FROM 3600' TO 3100' RD SAME.
	13:30 - 14:30	1.00	CM	1	80CMPL	LUNCH
	14:30 - 16:00	1.50	CM	4	80CMPL	PU AND RIH W/ HF PURGE VALVE, 1 JT 2 7/8" TBG, 6' PERFORATED SUB, 2.25' F-NIPPLE. AND 113 JTS 2 7/8" TBG. LAND TBG. F-NIPPLE @ 3589.55' EOT @ 3626.18' ND BOP'S. NU PUMPING TEE.
08/14/2003	16:00 - 16:30	0.50	CM	1	80CMPL	PU LOC. SWI SDFN
	07:00 - 07:30	0.50	CM	c	80CMPL	HELD SAFETY MEETING W/ CREW. SICP 450#
	07:30 - 09:00	1.50	CM	e	80CMPL	BLOW WELL TO PIT. KILL CSG W/ 50 BBLS PRODUCTION WTR. CHANGE OUT TBG HANGER. ND BOP'S NU. PUMPING TEE.
	09:00 - 12:00	3.00			80CMPL	PU AND RIH W/ 2 1/2" X 1 1/4" X 8' RHAC INSERT PUMP W/ 1' STRIANER. MAX STROKE 83". PUMP # CP 019, 4' X 3/4" PONY ROD. 142 3/4" SUCKER ROD 1 - 8' X 3/4" PONY ROD, 1 - 6' X 3/4" PONY ROD, 2 - 4' X 3/4" PONY RODS 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.
	12:00 - 12:30	0.50	CM	z	80CMPL	LUNCH

Legal Well Name:	SAN JUAN 32-8 UNIT FRUITLA 000248A		
Common Well Name:	SAN JUAN 32-8 FRUITLAND #248A UNIT		
Event Name:	Original Completion	Start:	06/11/2003
Contractor Name:	KEY FOUR CORNR'S	Rig Release:	08/13/2003
Rig Name:	KEY ENERGY	Rig Number:	63

Spud Date: 06/12/2003

End:

Group:

Printed: 08/26/2003 4:33:55 PM

ConocoPhillips

END OF WELL SCHEMATIC

ConocoPhillips

Well Name: **SAN JUAN 32-8 UNIT # 248A**
 API #: **30-045-31627**

Spud Date: **12-Jun-03**
 Spud Time: **00:00 hrs**

TD Date: **14-Jun-03**
 Rig Release Date: **16-Jun-03**

7 1/16" 5M x 2 9/16" 5M Tree Adapter
 11" 3M x 7 1/16" 5M Tubing Spool
 9-5/8" 8 RD x 11" 3M Casing Head

Surface CasingDate set: **12-Jun-03**

☒ New
☐ Used

Size **9 5/8** in
 Set at **219** ft # Jnts: **7**
 Wt. **32.3** ppf Grade **H-40**
 Hole Size **12.25** in
 Wash Out **100** %
 Est. T.O.C. **SURFACE** Csg Shoe **219** ft
 TD of surface **229** ft

Notified BLM @ **1:40** hrs
 on **11-Jun-03**

Notified NMOCD @ **1:40** hrs
11-Jun-03

Production CasingDate set: **15-Jun-03**

☒ New
☐ Used

Size **5 1/2** in
 Wt. **17** ppf Grade **J-55** from **12** to **3762** ft
 Hole Size **7 7/8** in # Jnts: **85**
 Wash Out: **150** % # Pups **0**
 Top of Lead Slurry Cement: **Surface**
 Calculated Top of Tail Slurry Cement: **2516** ft

Notified BLM @ **17:20** hrs
 on **14-Jun-03**

Notified NMOCD @ **17:20** hrs
14-Jun-03

FC **3752** ftCsg Shoe **3762** ft

TD **3,765** ft
 Mud Wt. @ TD **9.0** ppg

Surface CementDate cmt'd: **12-Jun-03**

Lead: **135** sx Class G + **2%** CaCl₂
+0.25 lb/sx cell-o-flake, **1.16** cf/sx yield
156.6 cuft slurry at **15.8** ppg
 Displacement vol. & fluid.: **15.3** bbsl fresh wtr
 Bumped Plug at: **08:00** w/ **330** psi
 Final Circ Press: **80** psi @ **0.5** bpm
 Returns during job: **YES**
 CMT Returns to surface: **13.0**
 Floats Held: **No floats used**
 W.O.C. for **10.5** hrs (plug bump to drlg cmt)

Production CementDate cmt'd: **15-Jun-03**

Lead: **540** sx Class G
+ 3% D079 Extender
+ 0.25 lb/sx D029 cellophane flakes
+ 5 lb/sx Pheno Seal
+0.2% D046 Antifoam
+ 0.05 gal/sx D047 Antifoam
2.61 cf/sx, **1409** cuft slurry at **11.7** ppg
 Tail: **170** sx 50:50 POZ / Class G cement
+ 2% D020 Bentonite
+ 2% S001 CaCl₂
+ 5 lb/sx Gilsonite
+ 2.5 lb/sx Pheno Seal
+ 0.25 lb/sx Cellophane Flakes
+ 0.20% D046 Antifoam
1.27 cf/sx, **215.9** cuft slurry at **13.5** ppg
 Displacement: **82.5** bbls 2% claytreat
 Bumped Plug at: **18:30** hrs w/ **1390** psi
 Final Circ Pressure: **860** psi @ **2** bpm
 Returns during job: **YES**
 CMT Returns to surface: **90** bbls
 Floats Held: ☒ Yes ☐ No

COMMENTS:

Surface: **No floats run. Ran saw tooth guide shoe at 219', aluminum baffle plate at 189'. Used a top plug.**
Shut in cement head with 160 psi and WOC 2.5 hrs before backing out landing joint.

Production:

CENTRALIZERS:Surface: **CENTRALIZERS POSITIONED @ 209', 160', 131, & 43'.**Total: **4**Production: **CENTRALIZERS @ 3752', 3670', 3582', 3494', 3406', 3318', & 216'**Total: **7****TURBOLIZERS @ 2377', 2333', & 2289'**Total: **3**