

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.
30-039-27332

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
SAN JUAN 31-6 UNIT

8. Well No.
223A

9. Pool name or Wildcat
BASIN FRUITLAND COAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. 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 of Operator
P.O. BOX 2197 WL3 4061 HOUSTON TX 77252

4. Well Location
Unit Letter C : 815 Feet From The NORTH Line and 1465 Feet From The WEST Line
Section 32 Township 31N Range 6W NMPM RIO ARRIBA County

10. Date Spudded 05/28/2003 11. Date T.D. Reached 06/01/2003 12. Date Compl. (Ready to Prod.) 07/17/2003 13. Elevations (DF & RKB, RT, GR, etc.) 6352 GL 14. Elev. Casinghead

15. Total Depth 3389 16. Plug Back T.D. 3344 17. If Multiple Compl. How Many Zones? NA 18. Intervals Drilled By Rotary Tools ☒ Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name BASIN FRUITLAND COAL 20. Was Directional Survey Made YES

21. Type Electric and Other Logs Run NONE 22. Was Well Cored NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9.625 H-40	32.3	250	9.625 12.24	160 G	
5.5 K	7.875 14#	3389	5.5 7.78	661 G	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2.375	3334	

26. Perforation record (interval, size, and number)
3012 - 3292 .75, 56 HOLES

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL 3012 - 3292 AMOUNT AND KIND MATERIAL USED
FRAC W/20# DELTA FRAC 140
200,000 20/40 SAN & 2775 BBLS
FLUID

28. PRODUCTION

Date First Production 08/05/2003 Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING Well Status (Prod. or Shut-in) PRODUCING
Date of Test 08/06/2003 Hours Tested 24 Choke Size PITOT Prod'n For Test Period 0 Oil - Bbl. 1350 Gas - MCF 2 Water - Bbl. Gas - Oil Ratio
Flow Tubing Press. 0 Casing Pressure 275 Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API - (Corr.)

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD Test Witnessed By

30. List Attachments
DEVIATION, WELLBORE SCHEMATIC, DAILY SUMMARIES

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed Name

DEBORAH MARBERRY

Title

REGULATORY ANALYST Date 09/09/2003

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Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000223A
 Common Well Name: SAN JUAN 31-6 FRUITLAND #223A UNIT
 Event Name: Original Completion
 Contractor Name: KEY FOUR CORNERS
 Rig Name: KEY ENERGY

Start: 06/20/2003
 Rig Release: 07/17/2003
 Rig Number: 34

Spud Date: 05/28/2003
 End: 07/16/2003
 Group:

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
06/21/2003	06:30 - 07:00	0.50	CM	1	80CMPL	Held safety meeting.
	07:00 - 09:00	2.00	CM	q	80CMPL	Perforated the Fruitland Coal. RIH w/ 3 1/8" 120 degree select fire perforating gun. perforated from 3012' - 3015' w/ 2 spf, 3026' - 3027' w/ 4 spf, 3044' - 3045' w/ 4 spf, 3078' - 3079' w/ 4 spf, 3097' - 3100' w/ 2 spf, 3162' - 3172' w/ 1 spf, 3198' - 3203' w/ 2 spf, 3282' - 3292' w/ 1 spf. A total of 56 holes.
	09:00 - 13:30	4.50	CM	s	80CMPL	Ru Halliburton. Frac the Fruitland Coal. Tested lines to 5295 #. Set pop off @ 4396 #. Est rate dropped 24 ball sealers in 1000 gals of 10% formic acid @ 1 ball per bbl & 2 balls per bbl for remaining 21 ball sealers @ 10 BPM @ 1478 #. A total of 45 ball sealers. Good ball action. Balled off @ 3878 #. RIH w/ Junk basket. Retrived 40 balls. RD Blue Jet. pumped pre pad w/ 10 # Polymer @ 51 BPM @ 3135 #. SDRT 40 BPM @ 2868 #. SDRT 25 BPM @ 2463 #. SDRT 10 BPM @ 1831#. SDRT 5 BPM @ 1696 #. ISIP 1450 #. 5 min 653 #. 10 min 355 #. 15 min 133 #. 20 min 0 #. Pumped 25 # Delta in Pad w/ 3100 # of 40 / 70 Arizona sand. Frac the Fruitland Coal w/ 20 # Delta frac 140 w/ WC SW. 200,000 20/40 Brady sand & 2775 bbls fluid. Avg rate 64 BPM. Avg pressure 3350 #. Max pressure 4198 #. Max sand cons 5 # per gal. ISIP 3988 #. Frac gradient .90. Ran three Isotope. Ran Antimony in pad. Ran Scadium in 1# - 3#. Ran Irridium in 4# & 5#. SWI. RD Halliburton.
07/07/2003	11:30 - 14:00	2.50	MV	t	00MMIR	ROAD RIG TO LOCATION, 6 MILES. JSA, SPOT IN RIG, SPOT IN EQUIPMENT. TRUCKING TAIL ROLL EQUIPMENT, DUE TO ROAD CONDITION, STEEP HILL TO LOCATION.
	14:00 - 15:00	1.00	MV	6	00MMIR	RIG UP RIG AND EQUIPMENT, RU FLOWLINES TO PIT. SICP 380#. OPEN WELL TO PIT, BLEW DOWN.
	15:00 - 16:00	1.00	WS	e	80CMPL	NIPPLE DOWN FRAC VALVE. RU BOP.
	16:00 - 17:00	1.00	WS	6	80CMPL	RU FLOOR, RU TONGS, ELEVATORS, SLIPS. RIG MAINTIENCE
	17:00 - 18:00	1.00	WS	u	80CMPL	RU TO TEST BOP, NO TBG HANGER FOUND. SECURE WELL SDFN
07/08/2003	07:00 - 07:30	0.50	WS	c	80CMPL	JSA, SICP 0#, START RIG.
	07:30 - 08:30	1.00	WS	8	80CMPL	RU TO TEST BOP. TEST BOP, RAMS AND BLINDS, 3000# HIGH , 250# LOW, OKAY. RD TESTER.
	08:30 - 12:00	3.50	WO	u	80CMPL	TRUCK PULLING TRAILER WITH TBG, COULD NOT MAKE STEEP HILL TO LOCATION , WAIT ON SECOND TRUCK TO WINCH UP.
	12:00 - 14:00	2.00	WS	4	80CMPL	SPOT IN TRAILER, TALLY, PU, DRIFT, IN 60 JOINTS OF TBG. 1900'.
	14:00 - 14:30	0.50	WS	5	80CMPL	RU AIR UNIT, UNLOAD WELL. FRAC FLUIDS. SHUT DOWN AIR.
	14:30 - 15:30	1.00	WS	4	80CMPL	RIH WITH TBG, TALLY , PU AN DRIFT IN, TAG UP AT 2917'. (427' OF FILL, TO PBTD)
	15:30 - 18:30	3.00	WS	5	80CMPL	RU AIR UNIT, C/O TO 3141', BRING OUT LOTS OF SAND. C/O ONE JOINT AT A TIME. CIRCULATE CLEAN, RD AIR.
	18:30 - 19:00	0.50	WS	4	80CMPL	POOH WITH FOUR STANDS, ABOVE PERFS. SECURE WELL SDFN.
07/09/2003	07:00 - 07:30	0.50	WS	c	80CMPL	JSA, SICP 60#, START RIG.
	07:30 - 08:30	1.00	WS	4	80CMPL	BLOW WELL DOWN, RIH WITH TBG. TAG FILL AT 3076', WELL MADE 65' OF FILL,
	08:30 - 18:30	10.00	WS	5	80CMPL	RU AIR C/O TO PBTD OF 3344', C/O ONE JOINT AT A TIME , WELL MAKING SAND, AVG, CIR TIME 20 MINS, PRESS. AT 250#. 15 BBLs OF FOAM PER HOUR. WELL MAKING VERY LITTLE FLUIDS. SHUT DOWN AIR.
07/10/2003	18:30 - 19:00	0.50	WS	4	80CMPL	PU TBG ABOVE PERFS, SECURE WELL SDFN
	07:00 - 07:30	0.50	WS	c	80CMPL	JSA , SICP 280#. SITP 275#, START RIG.
	07:30 - 08:30	1.00	WS	g	80CMPL	BLOW WELL DOWN, BLEW DOWN , NO FLOW.
	08:30 - 09:30	1.00	WS	4	80CMPL	RIH WITH TBG , TAG UP ON FILL, 3301', WELL MADE 31' OF SAND.

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000223A

Common Well Name: SAN JUAN 31-6 FRUITLAND #223A UNIT

Spud Date: 05/28/2003

Event Name: Original Completion

Start: 06/20/2003

End: 07/16/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 07/17/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 34

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/10/2003	09:30 - 12:00	2.50	WS	5	80CMPL	RU AIR UNIT, C/O TO PBTD OF 3344'. PU TBG TO 3338', PRESS UP TO 900# ON AIR UNIT, UNLOADED, WELL MAKING LOT MORE WATER, WITH TRACES OF SAND. PRESS ON AIR DOWN TO 400#
	12:00 - 13:00	1.00	WS	5	80CMPL	CONT. TO BLOW WELL AROUND WITH AIR, WELL MAKING LOTS OF FLUIDS, WITH TRACES OF SAND. PRESS. ON AIR UNIT FROM 400# DOWN TO 350#.
	13:00 - 14:30	1.50	WS	4	80CMPL	SHUT DOWN AIR UNIT, RIH WITH TBG TAG FILL AT 3330', RU AIR, C/O TO PBTD 3334', WELL MAKING WATER AND TRACES OF SAND.
	14:30 - 16:30	2.00	WS	5	80CMPL	CONT. TO CIR. WELL, AIR UNIT PRESS BETWEEN 400# AN 350#., WELL MAKING WATER WITH STEADY TRACE OF SAND.
	16:30 - 17:30	1.00	WS	4	80CMPL	SHUT DOWN AIR UNIT, PU TBG ABOVE PERFS., 3000'. SHUT WELL IN, SECURE. WELL FLOWED BACK ABOUT 150 BBLS OF FLUIDS. SDFN
07/11/2003	07:00 - 07:30	0.50	WS	c	80CMPL	JSA, SICP 280#, SITP 265#. START RIG,
	07:30 - 08:30	1.00	WS	g	80CMPL	BLOW WELL DOWN,
	08:30 - 09:30	1.00	WS	4	80CMPL	RIH WITH TBG, TAG FILL AT 3304', WELL MADE 40' OF SAND.
	09:30 - 11:00	1.50	WS	5	80CMPL	RU AIR UNIT, UNLOAD WELL, LOTS OF FLUID., C/O TO PBTD. CIRCULATE OFF BOTTOM, AIR RUNNING ABOUT 400#. STEADY TRACE OF SAND. SHUT DOWN AIR.
	11:00 - 12:00	1.00	WS	4	80CMPL	RD AIR, POOH WITH TBG, ABOVE PERFS, 2966'.
	12:00 - 13:30	1.50	LG	4	80CMPL	RU WIRELINE UNIT, RIH WITH GAUGE RING TO PBTD, TAG UP AT 3330', POOH WITH GAUGE RING.
	13:30 - 14:45	1.25	LG	2	80CMPL	PU AND RIH WITH LOGGING TOOL, (TRACER IOG) RAN TRACER LOG ACROSS PERFS, 3012'-3292'. TAG FILL AT 3320' POOH WITH LOGGING TOOL, RD.
	14:45 - 18:30	3.75	WS	4	80CMPL	RIH WITH TBG TAG FILL. 3320'. RU AIR UNIT C/O TO PBTD 3334'. CIR. OFF BOTTOM. WELL MAKING FLUIDS. WITH STEADY TRACE OF SAND.
	18:30 - 19:00	0.50	WS	4	80CMPL	SHUT DOWN AIR UNIT, PU TBG ABOVE PERFS. FLOWED BACK ABOUT 150 BBLS OF FLUIDS, SECURE WELL, SDFN.
						SAFETY MEETING. SICP- 280PSI, TP- 280PSI.
07/15/2003	07:00 - 07:15	0.25	CM	c	80CMPL	ATTEMPTED TO FLOW WELL UP TBG. DEAD IN 15MIN.
	07:15 - 07:30	0.25	CM	g	80CMPL	TIH W/TBG & TAG FILL @ 3308'(36' FILL).
	07:30 - 07:45	0.25	CM	4	80CMPL	BREAK CIRCULATION W/1500CFM AIR- MIST. CLEAN OUT SAND FILL FR 3308'- 3344'. CIRCULATE ON BOTTOM W/WELL BRINGING UP SML AMT OF SAND & FRAC FLUID.
	07:45 - 12:00	4.25	CM	5	80CMPL	PULL UP 60' & ALLOW WELL TO FLOW ON ITS OWN.
	12:00 - 14:00	2.00	CM	1	80CMPL	TIH & TAG SAND FILL @ 3334'(10' FILL). CLEAN OUT SAND FILL & CIRCULATE @ 3344'.
07/16/2003	14:00 - 17:30	3.50	CM	5	80CMPL	PULL UP ABOVE FRUITLAND PERFS & SWIFD.
	17:30 - 18:00	0.50	CM	4	80CMPL	SAFETY MEETING. SICP- 280PSI, TP- 260PSI
	07:00 - 07:15	0.25	CM	c	80CMPL	BLEED DN TBG PRESSURE THROUGH 1/2" CHOKE TO PIT. DEAD IN 15MIN.
	07:15 - 08:00	0.75	CM	g	80CMPL	TIH & TAG SAND FILL ON BOTTOM @ 3338'(6' FILL).
	08:00 - 08:15	0.25	CM	4	80CMPL	BREAK CIRCULATION W/1500CFM AIR- MIST. CLEAN OUT SAND FILL FR 3338'- 44'(PBTD). CIRCULATE THE HOLE CLEAN @ 3344'.
	08:15 - 12:15	4.00	CM	5	80CMPL	POOH W/TBG.
	12:15 - 14:00	1.75	CM	4	80CMPL	MU 2 3/8" PURGE VALVE ON BOTTOM OF A 2 3/8"x14' TBG SUB FOLLOWED BY A 2 3/8"x6' PERFORATED SUB & TOPPED OFF W/A 2 3/8"x1.78" F NIPPLE. TIH W/ 106-JTS OF 2 3/8" TBG.
	14:00 - 15:00	1.00	CM	4	80CMPL	MU & LAND TBG HANGER IN TBG HEAD W/106-JTS IN HOLE.
	15:00 - 15:15	0.25	CM	1	80CMPL	BOTTOM OF PURGE VALVE @ 3334'KB. TOP OF PERF SUB @ 3313'

Operations Summary Report

Legal Well Name: SAN JUAN 31-6 UNIT FRUITLA 000223A

Common Well Name: SAN JUAN 31-6 FRUITLAND #223A UNIT

Spud Date: 05/28/2003

Event Name: Original Completion

Start: 06/20/2003

End: 07/16/2003

Contractor Name: KEY FOUR CORNERS

Rig Release: 07/17/2003

Group:

Rig Name: KEY ENERGY

Rig Number: 34

Date	From - To	Hours	Code	Subco	Phase	Description of Operations
07/16/2003	15:00 - 15:15	0.25	CM	1	80CMPL	& TOP OF F NIPPLE @ 3312'.
	15:15 - 16:15	1.00	CM	e	80CMPL	ND BOPS & NU B-1 ADAPTER FLANGE.
	16:15 - 17:00	0.75	CM	6	80CMPL	INSTALL 2" MASTER VALVE, ROD RADIGAN & FLOW T. SWI & RU TO RUN PUMP & RODS.
07/17/2003	07:00 - 07:30	0.50	CM	c	80CMPL	HELD SAFETY MEETING W/ CREW. SICP 220# SITP 0#
	07:30 - 11:00	3.50	CM	z	80CMPL	PU AND RIH W/ 2" X 1 1/4" X 8' RHAC INSERT PUMP W/ 1' STRIANER. MAX STROKE 83". PUMP # CP 017, 4' X 3/4" PONY ROD. 131 3/4" SUCKER ROD 1 - 10' X 3/4" PONY ROD 1 - 8' X 3/4" PONY ROD, 1 - 4' 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 5 STROKES. HELD OK. BLED DOWN PSI. PU LOC. RDMO FINAL REPORT.
	11:00 - 13:30	2.50	CM	z	80CMPL	