Form 3160-4 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

											N	MSF07827	′8 	
la. Type of	Well	Oil Well	☑ Gas V	Vell		Other					6. If	Indian, Allo	ttee or	Tribe Name
b. Type of	Completion	_		□ Work O	ver [Deepen	☐ Plug	Back	Diff. R	esvr.	7. 17	nit or CA A	preeme	nt Name and No.
		Othe	er								N	MNM7841	6B	
	OPHILLIPS		ANY		Contact		olanda.po	erez@con	11. 1. 1 TAX	·	S	ase Name a AN JUAN :		
3. Address	5525 HW FARMING		VI 87401				Phone No. 1	(include : 5.2329	area code)		9. A	PI Well No.	30-039	9-27526-00-C1
4. Location	Sec 13	T29N R	ion clearly an 6W Mer NM	IP		Federal rec	uirements		2004		10. I	rield and Po	ol, or E V / BA	xploratory SIN DAKOTA
/ At surfa	ce NENW	15FNL	1500FWL 3	6.73287 N	Lat, 107.	41760 W	Lon		n Seurous	25	11. 5	Sec., T., R.,	M., or	Block and Survey 9N R6W Mer NMP
														13. State
(0)											R	IO ARRIBA	A	NM
14. Date Sp 02/01/2												Elevations (1 675	DF, KB 55 GL	, RT, GL)*
18. Total D	epth:	MD TVD	8178	19.	Plug Ba	ck T.D.:	MD TVD	817	6	20. Dep	th Bri	dge Plug Se		MD TVD
		er Mecha	nical Logs R	un (Submit	copy of ea	ach)			22. Was y	well core	1?	No No	Yes	(Submit analysis)
CRT IT	T GR CCL								was I Direc	OST run? tional Su	rvey?	No I	Yes Yes	(Submit analysis) (Submit analysis)
23. Casing ar	nd Liner Reco	ord (Repo	ort all strings	set in well)		**		<u></u>		-				
Hole Size	Size/G	rade	Wt. (#/ft.)	Top (MD)			Cementer Depth			Slurry Vol. (BBL)		Cement 7	op*	Amount Pulled
12.250	9.6	25 H-40	32.0	Ö		238			150				0	
8.750		000 J-55	20.0			965			640				0	
6.250	4.	500 -80	12.0	(8	178				0			3470	
	 				-			 				<u> </u>		
	 				+-			 		 		<u> </u>		
24. Tubing	Record		<u></u>	<u> </u>	<u> </u>			<u> </u>				L		
	Depth Set (M		acker Depth	(MD) S	lize l	Depth Set (MD) F	acker Dept	th (MD)	Size	De	pth Set (MI) I	Packer Depth (MD)
2.375 25. Produci		8005				26 Parfor	ation Reco	and.						
	ormation	- T	Тор	Гр	ottom		Perforated			Size		No. Holes		Perf. Status
A)		OTA		8012	8097		CITOTACC	8012 TO 80					OPEN	
B)														-
C)														
D)														
	Depth Interva		ment Squeeze	e, Etc.			A -	mount and	Time of N	[atomia]				
			097 FRAC'D	W/SLICKW	ATER @	1.25 G/MG					S FLI	JID.		
20 8 1														
Date First	ion - Interval	Hours	Test	Oil	Gas	Water	Oil G		Ica		Dun de es	ion Method	_	
Produced 03/30/2004	Date 03/30/2004	Tested 24	Production	BBL 0.5	MCF 1848.0	BBL	Corr.		Gas Gravity	,	Product		/S FRO	M WELL
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas: C	મા	l Well St					
Size 1/2	Flwg. 280 SI	Press. 550.0	Rate	BBL 1	MCF 1848	BBL 5	Ratio	Ratio		GSI				
28a. Produc	tion - Interva	IВ		<u> </u>	·	\						A FEDT	cn c	NR AECOL
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gi Corr.				Product	ion Method		un nebuh
								•	J. WAR			ΛО) 1	2004
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:C Ratio	Pil	Well S	tatus	j		₹ .[;	0 2004
	SI	l	1		1	1	1		1		- 1	FARRILL	4.616 A	rielu üffict

Hours Tested ss. Csg. Press. Interval D Hours Tested Gas(Sold, used orous Zones (Intant zones of press) depth interval on	nclude Aquife porosity and c I tested, cushing Top	rs):	Gas MCF Gas MCF Gas MCF Gas MCF cof: Cored ite tool open,	Water BBL Water BBL Water BBL water BBL	Oil Gravity Corr. API Gas:Oil Ratio Oil Gravity Corr. API Gas:Oil Ratio all drill-sterm d shut-in pressures		Production Method	
Tested SS. Csg. Press. Hours Tested SS. Csg. Press. Gas(Sold, used prous Zones (Intant zones of particular depth interval)	Production 24 Hr. Rate Production 24 Hr. Rate 24 Hr. Rate 1 for fuel, vent aclude Aquife porosity and collected, cushid	Oil BBL Oil BBL Oil BBL rs): ced, etc.) rs): contents there on used, time	Gas MCF Gas MCF Gas MCF	Water BBL Water BBL Water BBL	Gas:Oil Ratio Oil Gravity Corr. API Gas:Oil Ratio	Gas Gravity Well State	Production Method	
Press. Interval D Hours Tested SS. Csg. Press. Gas(Sold, used Drous Zones (Intant zones of particular depth interval)	Test Production 24 Hr. Rate If for fuel, vent include Aquife porosity and contested, cushid	Oil BBL Oil BBL red, etc.) rs): contents thereon used, time	Gas MCF Gas MCF	Water BBL Water BBL	Oil Gravity Corr. API Gas:Oil Ratio	Gas Gravity Well Stati	Production Method	
Hours Tested ss. Csg. Press. Gas(Sold, used prous Zones (Intant zones of particular depth interval)	Production 24 Hr. Rate If for fuel, venu nolude Aquife porosity and collected, cushid	Oil BBL rs): contents thereon used, tirm	Gas MCF	Water BBL	Gas:Oil Ratio	Gravity Well Stat	us	
Tested Csg. Press. Gas(Sold, used prous Zones (Intant zones of particular depth interval)	Production 24 Hr. Rate If for fuel, venu nolude Aquife porosity and collected, cushid	Oil BBL rs): contents thereon used, tirm	Gas MCF	Water BBL	Gas:Oil Ratio	Gravity Well Stat	us	
Press. Gas(Sold, used prous Zones (Intant zones of particular depth interval)	Rate If for fuel, veni nclude Aquife porosity and coll tested, cushin	BBL led, etc.) rs): ontents there on used, tim	of: Cored i	BBL ntervals and	Ratio			
orous Zones (Intant zones of particular depth interval	nclude Aquife porosity and c I tested, cushing Top	rs): ontents there on used, tim	eof: Cored i	ntervals and flowing and	all drill-stem d shut-in pressures		31. Formation (Log) Markers	
tant zones of p	Poorosity and coll tested, cushing	ontents there on used, time	eof: Cored i	ntervals and flowing and	all drill-stem d shut-in pressures		31. Formation (Log) Markers .	
depth interval	Top	on used, tim	eof: Cored is tool open,	ntervals and flowing and	all drill-stem d shut-in pressures			
on	0	Bottom						
				Description	ons, Contents, etc.		Name	Top Meas. Depth
downhole co	mmingled we	ell próducin			esaVerde and Ba	sin	NACIMIENTO OJO ALAMO KIRTLAND FRUITLAND COAL PICTURED CLIFFS CHACRA CLIFF HOUSE MENEFEE POINT LOOKOUT GALLUP GREENHORN DAKOTA	1495 3010 3170 3420 3690 4432 5524 5573 5860 7144 7827 8012
that the foreg	g and cement oing and attac Elect Committed to	verification thed informationic Subm For CON	ition is com	6. Core And plete and co	orrect as determine I by the BLM We IPANY, sent to the ENNE GARCIA	7 Or d from all ar ll Informat he Farming on 04/15/20	ther: vailable records (see attached instruction System. gton 04 (04AXG2238SE)	onal Survey
(Electro	nic Submissi	ion)			Date 04	/14/2004		
	attachments: Iechanical Logice for pluggin That the foreg	downhole commingled we hed are the daily summare the daily summare attachments: I attachments: I dechanical Logs (1 full set reice for plugging and cement that the foregoing and attachment) That the foregoing and attachment that the foregoing attachment that the foregoing attachment that the foregoing and attachment that the foregoing attachment the foregoing attachment that the foregoing attachment the foregoing attachm	lattachments: Idechanical Logs (1 full set req'd.) Ideah Logs (1 full set req'd.) Ide	downhole commingled well producing from the hed are the daily summaries and the wellbore stated are the daily summaries are the daily summaries and the daily summaries are th	downhole commingled well producing from the Blanco Me hed are the daily summaries and the wellbore schematic. I attachments: I dechanical Logs (1 full set req'd.) I dechanical Logs (1	downhole commingled well producing from the Blanco MesaVerde and Bahed are the daily summaries and the wellbore schematic. I attachments: Idechanical Logs (1 full set req'd.) Ideah Ideah Logs (1 full set req'd.) Ideah Ideah Logs (1	downhole commingled well producing from the Blanco MesaVerde and Basin hed are the daily summaries and the wellbore schematic. attachments: dechanical Logs (I full set req'd.) 2. Geologic Report 3. December 3. Dec	arks (include plugging procedure): downhole commingled well producing from the Blanco MesaVerde and Basin hed are the daily summaries and the wellbore schematic. attachments: techanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Direction 4. Direction 5. Core Analysis 7. Other: that the foregoing and ement verification 6. Core Analysis 7. Other: that the foregoing and attached information is complete and correct as determined from all available records (see attached instruct Electronic Submission #29449 Verified by the BLM Well Information System. For CONCOPHILLIPS COMPANY, sent to the Farmington Committed to AFMSS for processing by ADRIENNE GARCIA on 04/15/2004 (04AXG2238SE) April YOLANDA PEREZ Title SR. REGULATORY ANALYST SR. REGULATORY ANALYST

END OF WELL SCHEMATIC

ConocoPhillips

Well Name: SAN JUAN 29-6 # 83M 30-039-27526	Spud: 1-Feb-200% / Release: 13-Feb-2004
	rash Cap " 3M Casing Spool
	11" 3M Casing Head Surface Cmt Date cmt'd: 2-Feb-03
Surface Casing Date set: 2-Feb-03 X New Size 9 5/8 in Used Set at 238 ft # Jnts: 5 Wt. 32.3 ppf Grade H-40 Hole Size 12 1/4 in Conn STC Wash Out 150 % Csg Shoe 238 ft Est. T.O.C. 0 ft TD of surface 240 ft Notified BLM @ hrs on hrs or hrs o	Lead: 150 sx 50/50 POZ:Standard + 2% Bentonite + 3% CaCl2 + 5 lb/sx Gilsonite + 0.25 lb/sx Cello-Flake + 0.2 CFR-3, Yield = 1.34 cutfvsx 201 cuft slurry mixed at 13.5 ppg Displacement: 15.0 bbls Fresh Wtr Bump Plug: 10:49 hrs w/ 300 psi Final Circ Pressure: 100 psi @ 2 bpm Returns during job: Yes CMT Returns to surface: 15 bbls Floats Held: No floats run
Notified BLM @ Notified NMOCD @ Notified NMOCD @ Notified NMOCD @ Notified BLM @ Notified NMOCD @ X New Used New New Section New New Section New New Section New	W.O.C. for 11.25 hrs (plug bump to test casing) Int. Cement Date cmt'd: 10-Feb-03 Lead: 400 sx Standard Cement + 3% Econolite + 10 lb/sx PhenoSeal 2.88 cuft/sx, 1152 cuft slurry at 11.5 ppg Tail: 240 sx 50/50 POZ:Standard Cement + 2% Bentonite + 6 lb/sx PhenoSeal 1.33 cuft/sx, 319.0 cuft slurry at 13.5 ppg Displacement: 158 bbls Fresh Wtr Bumped Plug at: 07:48 hrs w/ 1600 psi Final Circ Pressure: 850 psi @ 2 bpm Returns during job: Yes CMT Returns to surface: 80 bbls
Production Casing	Floats Held: X YesNo W.O.C. for9.5 hrs (plug bump to test casing) Prod. Cmt
COMMENTS: Surface: Intermediate: Production: No float equipment run. Ran guide shoe and aluminum baffle plate Lost ~1500 bbls fluid in the Fruitland Coal The 6-1/4" hole was air drilled and was filled with air when the prod csg war	
CENTRALIZERS:	
Surface: Centralizers @ 218', 194', 149', & 105' Intermediate: Centralizers @ 3945', 3918', 3829', 3739', 3650', 3561', and 214'. Turbolizers @ 3113', 3069', 3025', 2980' & 2935'	Total: 4 Total: 7
Production: No centralizers run on production casing	Total: 5

CONOCOPHILLIPS CO. :: |

Operations Summary Report

Legal Well Name: SAN JUAN 29-6 UNIT 083M Common Well Name: SAN JUAN 29-6 UNIT 083M

Event Name:

COMPLETION

Start:

2/13/2004

Spud Date: 2/1/2004

Rig Release: 3/31/2004

End:

3/31/2004

Contractor Name:

KEY FOUR CORNERS

Rig Number: 34

Group:

Ria	Nia	me:	
rtiu.	ING	me.	

KEY ENERGY

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
2/14/2004	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	HELD SAFETY MEETING.
	07:30 - 16:00	8.50	EVALFM	PLT	COMPZN	RU Schlumberger. Pressured up on 4 1/2" csg to 1500 #. Ran CBL log
				ŀ		from 8156' to 3200'. Top of cement @ 3470'. Ran TDT log from 8156' to
						2000'. Ran GR/CCL log from 8156' to surface. SWI. RD Schlumberger.
2/15/2004	08:00 - 08:30		EVALWB	1	COMPZN	HELD SAFETY MEETING.
	08:30 - 11:00	2.50	EVALWB	PRTS	COMPZN	RU ISOLATION TOOL. PRESSURE TESTED 4 1/2" CSG TO 6700 #
2/19/2004	07.00 07.00	0.50	EVALENA	OFTY.	COMPZN	FOR 30 MIN. HELD OK. HELD SAFETY MEETING.
2/19/2004	07:00 - 07:30 07:30 - 09:00	1	EVALFM	PERF	COMPZN	RU Blue Jet. PERFORATED THE LOWER DAKOTA. RIH W/ 3 1/8"
	07.50 - 05.00	1.50	LIN	LIXI	COMI ZIV	120 DEGREE SLECT FIRE PERFORATING GUN. PERFORATED
				ļ		FROM 8061' - 8067' W/ 2 SPF, 8072' - 8078' W/ 2 SPF, 8091' - 8097'
						W/ 2 SPF. A TOTAL OF 36 HOLES W/ 0.34 DIA.
	09:00 - 09:30	0.50	EVALFM	STIM	COMPZN	RU SCHLUMBERGER. TESTED LINES TO 5000 #. BROKE DOWN
						FORMATION @ 4 BPM @ 2900 #. PUMPED A TOTAL OF 5 BBLS 2%
						KCL WATER. ISIP 1800 #.
	09:30 - 10:30	1.00	EVALFM	SIPB	COMPZN	RIH W/ BAKER PRESSURE GAUGES ON WIRELINE AND 4 1/2"
						RETRIVABLE PLUG SET @ 8051'. TESTED PLUG TO 4500 #. HELD
						OK.
	10:30 - 12:00	1.50	PERF	PERF	COMPZN	RU Blue Jet. PERFORATED THE UPPER DAKOTA. RIH W/ 3 1/8"
				Ī		120 DEGREE SLECT FIRE PERFORATING GUN. PERFORATED
	12:00 - 12:30	0.50	EVALEM	STIM	COMPZN	FROM 8012' - 8034' W/ 2 SPF. A TOTAL OF 44 HOLES W/ 0.34 DIA. BROKE DOWN FORMATION @ 4 BPM @ 2515 #. PUMPED A
	12.00 - 12.30	0.50	L VALI W	STIVI	CONFZIN	TOTAL OF 4 BBLS OF 2% KCL WATER. ISIP 202 # 5 MIN. 0 #.
						RD SCHLUMBERGER.
	12:30 - 14:00	1.50	EVALFM	SIPB	COMPZN	RIH W/ BAKER PRESSURE GAUGES ON WIRELINE AND 4 1/2"
						RETRIVABLE PLUG SET @ 7997'. SWI RD BLUE JET
2/22/2004	07:00 - 07:30	0.50	EVALFM	SFTY	COMPZN	HELD SAFETY MEETING.
	07:30 - 13:00	5.50	EVALFM	OTHR	COMPZN	RU BLUE JET. RIH W/ RETRIEVING TOOL ON WIRELINE.
						LATCHED ON TO AND POOH W/ UPPER DAKOTA PRESSURE
						GAUGES. RIH W/ RETRIEVING TOOL ON WIRELINE. ATTEMPTED
						TO PULL GAUGES. TAGGED FILL @ 8022'. PRESSURE GAUGES @
						8051'. 29' OF FILL ON TOP OF GAUGES. POOH W/ WIRELINE. SWI. RD BLUE JET.
3/8/2004	- 07:30					SWI. RD BLUE JET.
3/0/2004	07:30 - 08:00	0.50	MOVE	SFTY	DEMOB	JSA, START RIG
	08:00 - 11:00	1	MOVE	рмов	DEMOB	LOCATION REAL MUDDY, HAD TO WENCH OUT EQUIPMENT AND
						RIG.
	11:00 - 13:00	2.00	MOVE	мов	DEMOB	ROAD RIG AND EQUIPMENT TO LOCATION, JSA , CHECK LEL 0%
						OKAY, SPOT IN RAMP, EQUIPMENT AND RIG, RIG UP. WELL ON
						VACUUM, RD FRAC VALVE, RUBOP, SET BPV., TEST BOP, 200#
						LOW AND 3000# HIGH ON BOTH PIPE AND BLIND RAMS. TESTED
						OKAY, RD TESTER, RECOVERED BPV.
	13:00 - 15:30	2.50	FISH	PULD	MIRU	TALLY, PU AND RIH WITH RETRIEVING HEAD, AND 155 JOINTS
	15:30 - 18:00	2 50	FISH	PULD	COMPZN	OF 2 3/8" TBG.4800'.
3/9/2004	- 07:30	2.50	1317	יייטבט	CONFLIN	SECURE WELL SDFN.
	07:30 - 08:00	0.50	FISH	SFTY	COMPZN	JSA, START RIG SICP 0#.
	08:00 - 10:00	1	FISH	PULD	COMPZN	CONTINUE TO RIH WITH TBG, TALLY AND DRIFT IN , TAG UP RBP
						WITH 258 JOINTS OF TBG@ 8050'.
	10:00 - 11:00	1.00	FISH	RURD	COMPZN	RU AIR UNIT , TEST LINE TO 1000#, TESTED OKAY, TAG UP ON
						RBP, LATCH ON, PU AN LET EQULIZE FOR 30 MINS.,
	11:00 - 15:00	4.00	FISH	PULD	COMPZN	RD AIR UNIT, PU , RBP RELEASED, POOH WITH TBG AND RBP
						WITH PRESS. BOMB. LAY DOWN TBG ON TRAILER.
	1	1	I .	1	1	

Operations Summary Report

Legal Well Name:

SAN JUAN 29-6 UNIT 083M

Common Well Name: SAN JUAN 29-6 UNIT 083M

Sub

Code

Phase

Event Name:

COMPLETION

Hours

Start: 2/13/2004 Spud Date: 2/1/2004

From - To

Rig Release: 3/31/2004

End: 3/31/2004

Contractor Name:

KEY FOUR CORNERS

Rig Number: 34

Group:

Description of Operations

Rig	Name:
42.1	CTUSS.
鼬	Date

KEY ENERGY Code

3/9/2004 15:00 - 17:00 2.00 MOVE DMOB COMPZN SLIGHT BLOW FROM WELL, KILL WITH 30 BBLS OF 2% KCL, RD FLOOR, RDBOP, RU FRAC VALVE, RD EQUIPMENT AND RIG READY TO MOVE. SECURE WELL SDFN. 3/11/2004 07:00 - 07:30 0.50 STIM SFTY COMPZN Held safety meeting. 07:30 - 14:00 6.50 STIM STIM COMPZN RU Isolation tool. RU Schlumberger. Frac'd the Dakota. Tested lines to 7000 #. Set pop off @ 6125 #. Dropped 48 ball sealers in 1000 gals of 15% HCL acid @ 2 ball per bbl and 2 balls per bbl for the remaining 60 balls @15 BPM @ 2206 #. A total of 108 balls. Good ball action. Balled off @ 5150 #. RIH w/ junk basket retrieved 106 balls. Pumped pre pad @ 48 BPM @ 3179 #. SDRT 38 BPM @ 2786 #. SDRT 30 BPM @ 2228 #. SDRT 20 BPM @ 2086 #. SDRT 10BPM @ 1790 #. ISIP 1630 #. 5 min 1121 #. 10 min 1010 #. 15 min 845 #. 20 min 715 #. 25 min 627 #. Frac'd the Dakota w/ Slickwater @ 1.25 g/mg FR. 40,000 # of 20/40 Supper LC and 4188 bbls fluid. Avg rate 54 BPM. Avg psi 4210. Max psi 5150. Max sand cons .40 # per gal. ISIP 2394 #. Frac gradient .64. SWI. 14:00 - 17:00 3.00 PERF PERF COMPZN RU BLUE JET. RIH w/ 4 1/2" composite plug. Set plug @ 6060'. Tested plug to 4800 #. Held ok. Perforated the Mesaverde. RIH w/ 3 1/8" 120 degree select fire perforating gun. Perforated from 5858' - 5868' w/ 1/2 spf, 5900' - 5910' w/ 1/2 spf, 5920' - 5930' w/ 1/2 spf, 5938' - 5944' w/ 1/2 spf, 5948' - 5962' w/ 1/2 spf. Attempted to RIH w/ second gun run. Ran down to 5156'. Perforating gun stuck. Could not move gun up or down. Csg appears to be collapsed @ 5156'. Pulled out of rope socket leaving perforating gun in hole. SWI. RD Blue Jet. 3/18/2004 11:30 - 12:00 ARRIVE ON LOC. LOOK LOCATION OVER FOR UNKNOWN 0.50 WELLPR SFTY COMPZN HAZZARDS.HELD PJSM W/ CREWS DISCUSSED THE DAYS EVENTS AND STEPS TO PREVENT INJURY. CHECK WH AND AREA FORIFI 12:00 - 13:00 1.00 WELLPR RURD COMPZN MI AND SPOT UNIT AND EQUIPMENT. 13:00 - 14:30 1.50 RPEQPT NUND COMPZN RU KEY RIG # 15 AND EQUIPMENT. RU BLOW DOWN LINE. CHECK SICP= 0 PSI. 0.75 RPEQPT NUND 14:30 - 15:15 COMP7N INSTALL PLUGGED TBG HANGER THROUGH FRAC VALVE, AND LOCK DOWN PINS. ND FRAC VALVE. NU BOPE. RU ACCUMULATOR HOSES AND ENSURE ITS PRESSURED UP. 15:15 - 16:00 0.75 RPCOMPPRTS COMPZN TEST BOPE BLIND AND PIPE RAMS TO 250# LOW FOR 5 MIN AND 3000# HIGH FOR 15 MIN. W/ RIG PUMP. TEST WAS GOOD WITNESSED BY T, MONK W/ KEY ENERGY SERVICES. 16:00 - 17:00 1.00 RPEQPT RURD COMPZN RU FLOOR AND TBG. TOOLS, CKECK CSG, PSI, POOH W/ TBG HANGER. 17:00 - 17:15 0.25 WELLPR OTHR COMPZN SECURE WELL SDFN. 3/19/2004 07:00 - 07:15 0.25 WELLPR SFTY COMPZN PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO ELIMINATE HAZZARDS AND PREVENT INJURY. SICP= 0 PSI 07:15 - 09:45 2.50 RPCOMPPULD COMPZN MEASURE, CALIPER ID AND OD OF FISHING TOOLS. MU AND TIH W/ 3 3/4" OVERSHOT W/ 2" SHORT CATCH GRAPPLE AND 165 JTS 2 3/8" TBG. TALLYING AND PICKING UP FROM FLOAT. 09:45 - 10:15 0.50 FISH FISH COMPZN ENGAGE AND LATCH ONTO FISH. PULL 10K OVER STRING WEIGHT. FISH DID NOT PULL FREE. PULLED UP TO 15K OVER WEIGHT AND FISH CAME FREE. 10:15 - 10:45 0.50 RPCOMPTRIP COMPZN TALLY PU AND TIH W/ 29 JTS GOING SLOW TO FIND TIGHT SPOTS IN CSG.TAG CBP @ 6061'. 10:45 - 12:45 2.00 RPCOMPTRIP COMPZN POOH W/194 JTS 2 3/8" TBG. LD GUN. NO TIGHT SPOTS WERE NOTICED W/ 3 3/4" OVERSHOT. 12:45 - 13:30 0.75 COMPZN BREAK FOR LUNCH.

Operations Summary Report

Legal Well Name:

SAN JUAN 29-6 UNIT 083M

Common Well Name: SAN JUAN 29-6 UNIT 083M

Event Name:

COMPLETION

Start:

2/13/2004

Spud Date: 2/1/2004

Rig Release: 3/31/2004

End: 3/31/2004 Group:

Contractor Name: Rig Name:

KEY FOUR CORNERS KEY ENERGY

Rig Number: 34

Data From To House Code Sub | Phone Sub |

Date	From - To	Hours	Code	Code	Phase	Description of Operations
3/19/2004	13:30 - 15:00	1.50	RPEQPT	NUND	COMPZN	INSPECT GUN FOR EVIDENCE OF WHY GUN GOT STUCK. NO GOOD EXPLINATION. RELEASE OVER SHOT FROM FISHING NECK. BREAK DOWN GUN W/ BLUEJET REPS.
	15:00 - 15:30	0.50	WELLPR	OTHR	COMPZN	SECURE WELL SDFWE. WILL PERFORATE MV FINAL GUN RUN ON MONDAY.
3/22/2004	07:00 - 07:15	0.25	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO ELIMINATE HAZZARDS AND PREVENT INJURY. SICP= 0 PSI
	07:15 - 08:00	0.75	RPEQPT	NUND	COMPZN	ND BOPE, NU LOWER FRAC VALVE.
	08:00 - 10:30	2.50	RPEQPT	RURD	COMPZN	RU WSI CHOKE MANIFOLD, AND FLOW BACK LINES.
	10:30 - 12:00	1.50	PERF	WOCT	COMPZN	WAIT FOR WIRELINE UNIT. HEAT FRAC WATER.
	12:00 - 12:15	0.25	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO ELIMINATE HAZZARDS AND PREVENT INJURY, SICP= 0 PSI
	12:15 - 13:30	1.25	PERF	PERF	COMPZN	RU BLUE JET WIRELINE. PU 3 7/8" JUNK BASKET AND RIH AS GUAGE RUN. TAGGED CBP @ 6058'. NO PROBLEMS. POOH W/JUNK BASKET. MU AND TIH W/3 1/8" SELECT FIRE GUN. W/12 G 306T 90^ PP CHARGES AND RIH AND PERFORATE UPPER MV AS FOLLOWS. 5477'- 5481'. 5522'- 5526', 5530'- 5548', 5858'- 5868' ALL SHOTS ARE .5 SPF FOR A TOTAL OF 32 HOLES. LOWER MV WAS PERFORATED PRIOR TO TODAY.
	13:30 - 15:00		RPEQPT		COMPZN	NU UPPER FRAC VALVE AND FRAC Y.
	15:00 - 15:30	0.50	RPEQPT	RURD	COMPZN	RU FLOOR.
	15:30 - 16:30		RPEQPT		COMPZN	LOAD EQUIPMENT SKID AND MOVE OFF LOC. PLACE CONCRETE BLOCKS ON FLOW BACK LINE.
	16:30 - 16:45		WELLPR		COMPZN	SECURE WELL SDFN.
3/23/2004	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	PJSM W/ ALL CREWS. DISCUSSED DAYS EVENTS AND HOW TO PREVENT INJURY.
	07:30 - 08:00	0.50	RPEQPT	NUND	COMPZN	NU SCHLUMBERGER ON WELL HEAD.
	08:00 - 11:00		STIM	STIM	COMPZN	Frac the Mesaverde. Tested lines to 5031 #. Set pop off @ 4560 #. Broke down formation @ 3 BPM @ 1991 #.Pumped 1000 gals of 15 % HCL acid @ 15 bpm & 30 #. Pumped pre pad @ 40 BPM @ 1809 #. SDRT 30 BPM @ 0 #. ISIP 0 #. Frac THE MV w/ 65 Q Slick Foam w/ 1.0 g/mg FR. 175,000 # of 20/40 Brady sand. Treated the last 15% of total proppant volume with propnet for proppant flowback control. 1791 bbls fluid. 2,483,200 SCF N2. Avg rate 55 BPM. Avg psi 2725. Max psi 2757. Max sand cons 1.5 # per gal. ISIP 1410 #. Frac gradient .44. Tagged pad w/ Irridium. Tagged 0.5 # & 1.50 # snd w/ Scadium. Tagged Propnet w/ Antimony. SWI.
	11:00 - 13:00 13:00 - 17:30	1	RPEQPT FLOWT	RURD OTHR	COMPZN	RD FRAC UNIT AND MO LOC. OPEN WELL TO FLOW BACK @ 650# W/ 12/64" ADJUSTABLE CHOKE. FLOWING 1.25 BPM. NO SAND. OPEN CHOKE UP TO 14/64" @ 17:30 TO MAINTAIN 1 BPM. TURN OVER TO FLOW BACK HAND @ 17: 30 W/ 630#.
3/24/2004	07:00 - 07:15	0.25	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO ELIMINATE HAZZARDS AND PREVENT INJURY. SICP= 440 PSI
	07:15 - 07:30	0.25	WELLPR	OTHR	COMPZN	SWI. RELEASE FLOW BACK. FLOWING @ 420# W/ NO SAND AND 1.25 BPM.RETURNING TO PIT.
	07:30 - 08:00		RPEQPT		COMPZN	RD WSI FLOW BACK EQUIPMENT.
	08:00 - 09:00	1.00	RPEQPT	NUND	COMPZN	ND UPPER FRAC VALVE AND Y. KILL WELL W/ 40 BBL 2% KCL. DRY TBG. HANGER IN PLACE THRU LOWER VALVE. LOCK IN PLACE.
	09:00 - 10:45	1.75	RPEQPT	NUND	COMPZN	ND LOWER VALVE. NU BOPE. RU BLOOIE LINES.
	10:45 - 12:00		WELCTL		COMPZN	RU WOODGROUP TEST UNIT.TEST BOPE (BLIND AND PIPE RAMS) TO 250# LOW FOR 5 MIN AND 3000# HIGH FOR 15 MIN. TEST WAS GOOD, CHARTED AND WITNESSED BY T. MONK W/ KEY ENERGY
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Operations Summary Report

Legal Well Name:

SAN JUAN 29-6 UNIT 083M

Event Name:

Common Well Name: SAN JUAN 29-6 UNIT 083M **COMPLETION**

Start: 2/13/2004 Rig Release: 3/31/2004

Spud Date: 2/1/2004 End: 3/31/2004

Contractor Name:

KEY FOUR CORNERS

Group:

Rig Number: 34 Rig Name: **KEY ENERGY**

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/24/2004	10:45 - 12:00		WELCTL		COMPZN	SERVICES. RD WOOD GROUP.
	12:00 - 12:30		RPEQPT		COMPZN	RU FLOOR AND TBG. TOOLS.
	12:30 - 13:30	1.00	RPCOM	TRIP	COMPZN	MU AND TIH W/ 3 7/8" 3 BLADED JUNK MILL, BIT SUB AND 110 JTS 2 3/8" TBG.
	13:30 - 14:30	1.00	RPEQPT	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD WELL @ 3436'.
	14:30 - 15:15	0.75	RPCOM	TRIP	COMPZN	SD AIR. CONTINUE TO TIH W/ 80 JTS AND TAG FILL @ 5952'. (BOTTOM 10' PERFS COVERED.).
	15:15 - 16:30	1.25	RPCOM	CIRC	COMPZN	BREAK CIRCULATION W/ AIR UNLOAD WELL. RETURNING MED FLUID AND LIGHT SAND.
	16:30 - 16:45	0.25	RPCOM	TRIP	COMPZN	PUH W/ 20 JTS.
	16:45 - 17:00	0.25	RPEQPT	OTHR	COMPZN	SECURE WELL SDFN.
3/25/2004	07:00 - 07:20		WELLPR		COMPZN	PJSM. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INJURY.
	07:20 - 08:00	0.67	RPCOM	OTHR	COMPZN	BLEED CSG DOWN ON 3/4" CHOKE.
	08:00 - 08:15	0.25	RPCOM	TRIP	COMPZN	TIH W/ 18 JTS 2 3/8" TBG. TAG FILL @ 5941'.
	08:15 - 11:00	2.75	RPCOM	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE & C/O FILL FROM 5941' TO CBP @ 6060'.
	11:00 - 16:00	5.00	RPCOM	CIRC	COMPZN	CIRCULATE CLEAN TILL NO SAND IN SAMPLES. SD AIR.
	16:00 - 16:30	0.50	RPCOM	TRIP	COMPZN	POOH W/ 22 JTS 2 3/8" TBG. STANDING BACK. TBG SET @ 5375'.
	16:30 - 17:00	0.50	FLOWT	ļ	COMPZN	OPEN WELL FLOWING UP CSG. @ 225 # 0N 1/2" CHOKE. RETURNING SLUGS OF FLUID. LEAVE W/ FLOW BACK HAND.
3/26/2004	07:00 - 07:20	0.33	WELLPR	SFTY	COMPZN	PJSM. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INJURY.
	07:20 - 08:00	0.67	RPCOM	OTHR	COMPZN	RELEASE FLOW BACK HAND. FLOW TEST FOR MESA VERDE IS AS FOLLOWS:
						MV PERFS FROM 5477' TO 5962'. 1/2 SPF FOR 46 HOLES. TESTED ON 1/2" CHOKE (COEFICIENT OF 6.6) FLOWING UP CSG. DUE TO DH STRING FLOAT. TESTED FOR 14 HRS.
						SITP= N/A FCP = 205#
						MV PRODUCTION =1353 MCFPD. 5 BWPD
						1/2 BOPD.
						NO SAND. TEST WITNESSED BY T. MONK W/ KEY ENERGY SERVICES.
	08:00 - 08:15	0.25	RPCOM	TRIP	COMPZN	TIH W/ 22 JTS 2 3/8" TBG. TAG FILL @ 5947'.
	08:15 - 11:00	1	RPCOM	1	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE & C/O FILL FROM 5941' TO CBP @ 6060'.
	11:00 - 11:30	0.50	DRILL	DRLG	COMPZN	DRILL CBP @ 6060'.
	11:30 - 12:30		RPCOM		COMPZN	LET PRESSURE EQUALIZE. CIRCULATE FLUID OOH.
	12:30 - 13:30		RPCOM		COMPZN	TIH PICKING UP FROM FLOAT W/ 64 JTS 2 3/8" TBG. TAG FILL @ 8052'. (45' PERFS COVERED)
	13:30 - 17:00	3.50	RPEQPT	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE. 2.5 HRS TO SEE RETURNS @ SURFACE. C/O 10 FILL. CIRCULATE CLEAN.
	17:00 - 17:30	0.50	RPCOM	TRIP	COMPZN	POOH W/ 10 JTS 2 3/8" TBG. SECURE WELL SDFN.
3/29/2004	07:00 - 07:20		WELLPR		COMPZN	PJSM. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INJURY.
	07:20 - 08:00	0.67	RPCOM	OWFF	COMPZN	BLEED CSG DOWN ON 3/4" CHOKE.
	08:00 - 08:15		RPCOM	1	COMPZN	TIH W/ 4 JTS 2 3/8" TBG. TAG FILL @ 8062'.
	08:15 - 11:00	2.75	RPCOM	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE & C/O FILL FROM 8062' TO PBTD OF 8176'.
	11:00 - 17:00	6.00	RPCOM	CIRC	COMPZN	CIRCULATE CLEAN TILL NO SAND IN SAMPLES. SD AIR.
	17:00 - 17:40	0.67	RPCOM	TRIP	COMPZN	POOH W/ 86 JTS 2 3/8" TBG. STANDING BACK.
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Operations Summary Report

Legal Well Name:

SAN JUAN 29-6 UNIT 083M

Common Well Name: SAN JUAN 29-6 UNIT 083M

Event Name:

COMPLETION

Start: 2/13/2004 Spud Date: 2/1/2004

End:

3/31/2004

Contractor Name:

KEY FOUR CORNERS

Rig Release: 3/31/2004

Group:

Rig Name:

KEY ENERGY

Rig Number: 34

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
3/29/2004	17:40 - 17:50	0.17	RPCOME	OTHR	COMPZN	SECURE WELL SDFN. WILL TRY TO RUN PKR TO ISOLATE AND TEST DK. IN THE AM.
3/30/2004	07:00 - 07:20	0.33	WELLPR	SFTY	COMPZN	PJSM. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INJURY. SICP= 520#.
	07:20 - 07:30	0.17	RPCOME	OWFF	COMPZN	BLEED CSG DWN.
	07:30 - 08:30	1	RPCOME		COMPZN	POOH STANDING BACK W/ 174 JTS 2 3/8" TBG. LD MILL. (KILLED W/ 40 BBL TO GET OOH).
	08:30 - 10:30	2.00	RPCOME	TRIP	COMPZN	MU AND TIH W/ SCHLUMBERGER 4.5" HD PKR , TBG. TEST VALVE AND 252 JTS 2 3/8" TBG.
1	10:30 - 11:30	1.00	RPCOME	CIRC	COMPZN	BREAK CIRCULATION W/ AIR UNLOAD HOLE.
1	11:30 - 12:00	0.50	RPEQPT	MPSP	COMPZN	SET PKR, OPEN TBG VALVE.
	12:00 - 16:00	4.00	FLOWT	OPNW	COMPZN	OPEN WELL UP FLOWING THROUGH TBG.(CSG. IS SHUT IN.) FLOW TEST DAKOTA FORMATION AS FOLLOWS.
						DK PERFS 8012'- 8097'
					:	2 3/8" TBG. SET W/ 4.5" HD PKR SET @ 7886' KB. FLOW TESTED ON 1/2" POSITIVE CHOKE (6.6 COEFICIENT) TO ATMOSPHERE FOR 4 HRS. TBG. PRESSURE STABILIZED FOR
						LAST 3 HRS. SICP= 550# (SI MV GAS ONLY)
				ļ		FTP= 280#
						DAKOTA PRODUCTION= 1848 MCFPD
	ļ					5 BWPD
						1/2 BOPD
						NO SAND. TEST WITNESSED BY HUMBERTO FRIAS W/ KEY ENERGY SERVICES
	16:00 - 16:30	0.50	RPEQPT	MPSP	COMPZN	RELEASE PKR. SI DH TBG. VALVE
	16:30 - 18:00	I	RPCOME	1	COMPZN	POOH W/ 252 JTS 2 3/8" TBG. STANDING BACK. LD TOOLS.
	18:00 - 18:15		WELLPR		COMPZN	SECURE WELL SDFN.
3/31/2004	06:00 - 09:15		WELLPR		COMPZN	MONTHLY CONTRACTOR SAFETY MTG.
	09:15 - 10:45		WELLPR		COMPZN	ROAD CREW TO LOCATION.
	10:45 - 11:00		WELLPR		COMPZN	PJSM. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INJURY. 550# SICP.
	11:00 - 11:45	I	RPCOME	1	COMPZN	BLEED CSG DOWN AND KILL WELL W/ 30 BBL.
	11:45 - 14:30		RPCOME		COMPZN	MU AND TIH W/ MS EXPENDABLE CHECK, 1.81" F NIPPLE AND 260 JTS 2 3/8" TBG. TAG FILL @ 8116'. '.
	14:30 - 16:30	2.00	RPCOME	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE & C/O FILL FROM 8116' TO PBTD OF 8176'.
	16:30 - 18:00	1.50	RPCOME	TRIP	COMPZN	POOH W/ 7 JTS 2 3/8" TBG. PUMP 3 BBL KCL. DROP BALL. NU HANGER. LAND WELL W/ EOT @ 8005' KB. TOP OF F NIPPLE @
						8003'. LOCK DOWN HANGER. PRESSURE UP TO 1000# W/ AIR.
						HELD 1000# FOR 15 MIN. PRESSURE UP TO 1140# AND PUMP OUT
	·			1		CHECK. LET WELL FLOW UP CSG TO ENSURE CK IS GONE.
	17:40 - 17:50				COMPZN	SECURE WELL SDFN. WILL RD IN THE AM.
4/1/2004	07:00 - 07:15	0.25	WELLPR	SFTY	COMPZN	PJSM. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT
•	07:15 - 08:30	4 25	RPEQPT	BUBB	COMPAN	INJURY.
	08:30 - 08:45	•	WELLPR		COMPZN	RD UNIT AND EQUIPMENT. PJSM W/ TRUCKING EMPLOYEES.
	08:45 - 09:45		MOVE	МОВ	COMPZN	LOAD EQUIPMENT, MOLOC.
						,