(August 1999)

UNITED STATES

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137

	WE	LL CO	NDI E	TION O	D D	ECOMPL	ETI	ON D	EDODI	AND	ío	G					vember 30, 2000	
	***	LL COI	***	11011 01	\ 1\	LCOMIFE		ON K	EFORI	AND	LO	G				ase Serial No F078739	э.	
	of Well of Comple					□ Dry C Work Over			1 (1) P	Û G. lugiBac	(° 1□	Diff	Resvr,	15			tee or Tribe Name	e
			Other												7. Un	it or CA Agr	reement Name and	d no.
2. Nam	e of Operat	or												_			18419 D	
/	ocoPhilli	ps Com	oany											1		ise Name an		
3. Addi						_		-	3.a Phor					-		JUAN 30- I Well No.	-5 UNIT 229) <u>A</u>
	5 Highwa									5)599°-	3419	9 00 //	20			9-27773		
4. Loca	tion of Wel	l (Report l	ocation	clearly and	d in a	iccordance w	ith F	ederal r	requiremén	its)*	C)_ =	7 3	×			or Exploratory	
At S	urface NW	SE 1700	FSL 1	500 FEI	SI	EC 21 T30	N R	5W	18			$C_{\mathcal{F}_n}$ \langle	مِن لَدُرُ تَا			-	LAND COAL	
At to	p prod. inte	rval renor	ed belov	w/					[C.2]		*	50	20	73	11. Sec	., T., R., M.,	on Block and	
711 10	p prod. mie	ivai iepoi	ica ocio	**					(7.7.	4.1) (ازب	Sur	vey or Area	J Sec: 21 Tw	<u>/n: 30</u>
At to	tal depth									2	~6		, ,			inty or Paris	h 13. State NM	
14. Date	Spudded		15.	Date T.D.	Reac	hed			16. Date C	omplete	ed		(O)	~ T			F, RKB, RT, GL)*	*
	5/2004			10/02/20	104				□ D	& A.		Ready	o Pred.				, , ,	
		n 2215						<u> </u>	10/07/	2004	20	معمدست ا			6401			
18. Total	Depth: M	VD 3215			19. P	lug Back T.D	N :.• T	7D 32 VD 32	14		20.	Dept	h Bridge	Plug S		ND CVD		
	of Electric		1echanio	 cal Logs Ri	un (S	ubmit copy o			.1-		22.	Was	well core	ed? X			ubmit analysis)	
Mud	Logs											Was	DST run	i? 🔯	No [Yes (Sub	bmit analysis)	
				_								Direc	ctional S	urvey?	□ N	o 🏻 Yes	(Submit copy)	
23. Casir	g and Liner	Record (R	eport al	ll strings se	t in v	vell)		G	<u> </u>			1		37.1	i			
Hole Size	Size/Gra	de Wt.	(#/ft.)	Top (M	D)	Bottom (M	D)	Stage Cementer No. of Sks. & Type of Cemen					Slurry Vol. (BBL)		Cement Top* Amou		Amount Pulle	ed
12.25	9.625	32.3	;	0		243				150							5 bbls	
8.75	7.0 J-55			0		2995				485					0		20 BBLS	
6.25	5.5 J-55	15.5		2941		3215	_			0								
	-						-											
							\dashv					-						
24. Tubir	ng Record					<u> </u>										1		
Size	Depth	Set (MD)	Packe	er Depth (M	1D)	Size	\top	Depth S	Set (MD)	Packer	Deptl	(MD)	S	Size	Dep	pth Set (MD) Packer Depth	(MD)
2.375	3199				$oldsymbol{\bot}$		\perp						<u></u>					
25. Produ	cing Interva	ls 						26. I	Perforation	Rесото	1							
Dagin	Formation		302	Top	-	Bottom 3138		Po 3028-	erforated I	nterval		.75	Size	No. I	Holes		Perf. Status	
	Fruitland	Coai	302	20	- 3	130		3020-	3136			1.73		100		Open		
B) C)			-		\dashv		1											
D)					_							<u> </u>						
27. Acid,	Fracture, Tre	eatment, C	ement S	geeze, Etc.														
	Depth Inter	val ————				6.05" 1 1		5111 C		nount a	_	-						
			Ur	iderreran	nea	6.25" hole	to 9	.5''' IT	om 3000	to 32	15.	welly	was not	cavita	itea.			
			-															
	ction - Inter	val A																
Date First Produced	Test Date	Hours Tested	Test Producti	ion Oil		Gas MCF	Wate BBL	r	Oil Gravi Corr. API	ty	Gr Gr	avity	Pro	duction I	Method			
0/07/04	10/06/04	1	\rightarrow	0		970	0						Ga	as Pun	ping l	Piliten !	SOD DECOR	į.
Choice Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL		Gas MCF	Wat	er	Gas : Oil Ratio		W	ell Statu			ALU	ET IED I	OH HE VOILE	di
2" Pitot		2.5	\rightarrow	▶							G	as We	ell Shut	t-in	1	OCT 9	e 2004	
Produ	ction - Inter																6 2004	
Date First Produced	Test Date	Hours Tested	Test Producti	Oil ion BBL		Gas MCF	Wate BBL	r	Oil Gravi Corr. API	ty	Ga	is avity	Pro	duction N	Method A	AMINGTON	i rield office	
			\rightarrow							$\mathbb{C}\mathbb{D}$	un	N			BA	_XB		
Choke Size	Tbg. Press	Csg. Press.	24 Hr. Rate	Oil BBL		Gas MCF	Wate BBI	r	Gas : Oil Ratio	Ŋ	N A N	all Statu	S					
	Flwg. SI						يار ر	-		Ĩ.	day a l	لابال						
(See Instruc	tions and spac	ves for addit	ional dat	a on reverse	side)		-		.1		L_							

28b. Produ		T	<u></u>	1	·							
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. Produc	ction - Inter	val 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	Well Status			
29. Dispo	osition of G	ias (Sold, u	sed for fuel	, vented, e	tc.)							
		ous Zones (Include Aq	uifers):				31. Forma	ation (Log) Markers			
Show tests, i	all importa	nt zones or	porsity and	contents			and all drill-stem and shut-in pressu					
E	4:	Т	Dotter	T	Dagge	intions Conf	lanta ata		Nome	Тор		
Forma	ition	Тор	Bottom		Desci	riptions, Cont	ients, etc.		Name	Meas. Depth		
Naciame	nto	1349										
Ojo Alan	no	2449										
Kirtland		2649										
Fruitland	Į į	2924										
114114114	}	2,21										
		i										
	}	į										
										Ì		
32. Addition					Basin Fru	itland Coa	1 Attached is t	he Wellhore S	Schematic, Daily Summa	ries and comments		
from engi		c wen pr	oddenig i	rom mo	Duom T tu	inana coa	i. i ittadiloa io t	110 11 0110010 2	·	rico, una comments		
33. Circle e	nclosed att	achments:							- 			
1. Elect	trical/Mech	anical Log	s (1 full set	req'd.)	2. Ge	eological Rep	oort 3. DST R	eport 4. D	Directional Survey			
5. Sun	dry Notice	for pluggin	g and ceme	nt verifica		ore Analysis	7. Other					
34. I hereby	certify tha	t the forego	oing and att	ached info	rmation is c	omplete and	correct as determin	ned from all avail	lable records (see attached ins	tructions)*		
Name (p	olease prini) <u>Juanita</u>	Farrell		_	····	Title <u>Regu</u>	latory Analys	t			
Signatur		ract	Fau	ell			Date10/	18/2004				
Title 18 U.S States and fa	S.C. Sectionalse, fictition	i 101 and T ous or fradu	itle 43 U.S. ilent statem	C. Section ents or rep	1212, make resentations	e it a crime for as to any ma	or any person knov atter within its juris	vingly and willfu sdiction.	lly to make to any department	or agency of the United		

Farrell, Juanita R

From:

Moore, Steven O.

Sent:

Tuesday, October 12, 2004 8:59 AM

To:

Farrell, Juanita R

Subject:

Comments for Completion Report for San Juan 30-5 # 229A

Juanita.

Please include the following in the Completion Report for San Juan 30-5 # 229A

On Friday, 1-Oct-2004, we drilled out of the 7" intermediate casing shoe and drilled through the Fruitland Coal and Picture Cliffs formation to the authorized TD of 3215' MD RKB. We found the bottom of the lowest coal at 3138' MD RKB.

While drilling the rat hole / sump hole (per the approved program) we lost circulation while drilling at 3200' MD RKB. We continued to drill to approved TD of 3215' MD RKB and regained circulation. We circulated out several slugs of water - and the formation cuttings circulated to surface indicated that we had drilled into a water bearing sand at approximately 3200' MD RKB. Our observations after regaining circulation were that the well was making water at a rate of approximately ½ bbl per minute (or approximately 500 bbls water per day), and it appeared to us that the water was coming from the bottom 15 ft of the hole.

Therefore, because of these observations, we felt that we might need to plug back part of the sump hole / rat hole to shut off the water influx from the bottom of the hole. Steve Moore, ConocoPhillips Company, contacted Jim Lovato, BLM, Adrienne Brumley, BLM, and Charlie Perrin, NMOCD and proposed a plan to plug back part of the rat hole / sump hole to shut off the water. Permission was given for the proposed plan - however, approximately 2 hrs after the initial influx of water was observed, the water rate dropped off to approximately 1 gallon per 40 minutes (approximately 0.85 bbls water per day), thus eliminating the need to plug back the rat hole / sump hole.

We performed a flow test and a shut-in pressure build up test – and released the shut in pressure as a natural surge. We underreamed the 6-1/4" hole and obtained a post-underreamed flow test and shut-in pressure build up test. Both of the flow tests were dry – no observable mist or water was produced in these tests. And we did not circulate out any more slugs of water.

Therefore, because the well stopped making water, we decided not to perform the plug back procedure that we had proposed. Steve Moore discussed this with Jim Lovato on Monday, October 4, 2004, and with Charlie Perrin on Tuesday, October 5, 2004.

We ran the 5-1/2" liner on Monday, October 4, 2004. We perforated the liner and ran the tubing string on Tuesday, October 5, 2004. We ran the insert pump and rods on Wednesday, October 6, 2004. This concluded our drilling and completion operations for this well.

Sincerely, Steve Moore

Page 6 of 6

Operations Summary Report

Legal Well Name:

SAN JUAN 30-5 UNIT 229A

Common Well Name: SAN JUAN 30-5 UNIT 229A

Event Name:

COMPLETION

Start:

Phase

COMPZN

COMPZN

Spud Date: 9/27/2004

End:

10/6/2004

Contractor Name: Rig Name:

10/7/2004

KEY ENERGY SVCS

Rig Release: 10/6/2004 Rig Number: 27

Group:

KEY 27

2.00 STIMOP ALFT

6.00 STIMOP RURD

Sub

Code

Date From - To Hours Code

10:00 - 12:00

12:00 - 18:00

Description of Operations

LOAD TBG W/ 12 BBLS CLEAN PRODUCED Kfc WATER-PT STANDING VALVE, TBG, STUFFING BOX T/ 500 PSIG (OK)-STROKE PUMP T/500 PSIG & CHECK TRAVELING VALVE (OK).

HANG OFF PUMP.

RIG DOWN AND PREPARE TO MOVE RIG.

RIG RELEASED @ 1800 HRS TO THE SAN JUAN 30-5 #234A

Page 5 of 6

Operations Summary Report

Legal Well Name:

SAN JUAN 30-5 UNIT 229A

Common Well Name: SAN JUAN 30-5 UNIT 229A

Event Name:

COMPLETION

Start: 9/27/2004 Spud Date:

End: Group:

10/6/2004

Contractor Name:

KEY ENERGY SVCS

Rig Release: 10/6/2004

Rig Name	•	KEY 27	7			Rig Number: 27
Date	From - To	Hours	s Cod	e Sul		Description of Operations
10/6/2004	07:30 - 09:30	2.0	OO STIMO	PERF	COMPZN	RIG UP BLUE JET AND TEST LUBRICATOR TO 445PSI. PERFORATE AT FOLLOWING INTERVALS. 3132' - 3138' = 6' 24 SHOTS 3100' - 3108' = 8' 32 SHOTS 3111' - 3130' = 19' 76 SHOTS 3075' - 3078' = 3' 12 SHOTS 3048' - 3050' = 2' 8 SHOTS 3040' - 3044' = 4' 16 SHOTS 3028' - 3031' = 3' 12 SHOTS
	09:30 - 11:00	1.50	FLOWT	PRDT	COMPZN	OPEN FLOW TEST IFP 7.0 # ON GAUGE 1.75 # 801 MCFD 15 MINUTES - 10.0 # ON GAUGE 2.50 # 970 MCFD 30 MINUTES - 10.0 # ON GAUGE 2.50 # 970 MCFD 45 MINUTES - 10.0 # ON GAUGE 2.50 # 970 MCFD
	11:00 - 13:00	2.00	STIMOF	RCST		60 MINUTES - 10:0 # ON GAUGE 2:50 # 970 MCFD GIH W/ 32:68' X 2-7/8" 8RD EUE BOX ORANGE PEELED MUD ANCHOR W/ 8-(1/4" X 8") SLOTS, 2-7/8" X 2-3/8" EUE 8RD X-O COLLAR (0.43"), W/ 0.82' x 2-3/8" OD X 1.78" ID "F" NIPPLE CONTAINING BLANKING PLUG, W/ 2-3/8" X 8' PUP JOINTS- W/ 100 JTS 2-3/8" EUE 8RD 4.7 PPF J-55 TBG MEASURING (3147.67')- LAND TBG W/ 2-3/8" EUE 8RD X 7-1/16" TBG HGR CONTAINING A BPV PBTD @ 3198'KB EOT / MUD ANCHOR @ 3199'KB 1/4" X 8" SLOTS 3170'KB. 1.78" FN @ 3168'KB. PERF INTERVAL 3028-3138'KB. TOP OF LINER @ 2941'KB.
0/7/2004 0	13:00 - 17:00 17:00 - 07:30 17:30 - 09:30 9:30 - 10:00	0.50 2.00	STIMOP STIMOP STIMOP STIMOP	SFTY SLKL	COMPZN COMPZN COMPZN	RIG DOWN FLOOR, NIPPLE DOWN AND LOAD OUT BOPS. NIPPLE UP RADAGAN AND RIG UP TO RUN RODS. SECURE WELL AND SHUT DOWN FOR THE NIGHT. PJSM WITH ALL PERSONNEL ON LOCATION. PULL BLANKING PLUG FROM F-NIPPLE WITH SLICKLINE. RIG UP FLOOR TO RUN RODS.
1	0:00 - 12:00	2.00	STIMOP	ALFT	COMPZN I	BLOW WELL DOWN. RU TO RUN RODS- FUNCTION TEST INSERT PUMP (OK)- GIH W/ 12" STRAINER ATTACHED BELOW 2" X 1 1/4" X 12' RHAC-ZDV INSERT PUMP SN: (CP180) W/ 3 SINKER BARS AND 123 3/4" NORRIS, TYPE 78, API GRADE "D" RODS & SPACE OUT W/ 6', PONY RODS, RUN 1 1/4" X 22' POLISHED ROD W/ 2' PONY ROD ON FOP. RIG UP ABOVE 2-3/8" COLLAR 1-1/4" ROD RATAGAN, 2-3/8" PUMPING TEE W/ 2" & 1" OUTLETS W/ BALL VALVES, STUFFING BOX. PUMP SEATED @ 3168'KB,FN.

Page 4 of 6

Operations Summary Report

Legal Well Name:

SAN JUAN 30-5 UNIT 229A

Common Well Name: SAN JUAN 30-5 UNIT 229A

Event Name:

COMPLETION

Start:

9/27/2004

Spud Date:

End: Group: 10/6/2004

Contractor Name: Rig Name:

KEY ENERGY SVCS KEY 27

Rig Release: 10/6/2004 Rig Number: 27

Date	From - To	Hours	Code	Sub Code		Description of Operations						
10/4/2004	10:30 - 12:00 12:00 - 12:30	0.50	EVALW	MATRIP	COMPZN	PULL UP INTO 7" CASING @ 2973'KB.						
	12:30 - 13:30	1.00	EVALF	MPRDT	COMPZN							
	{	ĺ		1	[TIME CHOKE MANIFOLD #'S PITOT #'S MSCFD /						
			1	1		CONSISTENCY						
		1	}	1		15MIN 9.0 2.25 913 / DRY 30MIN 9.0 2.25 913 / DRY						
	\	1	}	ļ	}	45MIN 9.0 2.25 913 / DRY						
			Į.		}	60MIN 9.0 2.25 913 / DRY						
	13:30 - 20:30	7.00	EVALFA	SIPB	COMPZN							
	1		[1	}	SURGE # ISIP 15MIN 30MIN 45MIN 60MIN						
	}		1	1		7 25# 105# 110# 110# 110#						
			•	}	1	8 20# 100# 110# 110# 110#						
				}		9 28# 105# 105# 110# 110#						
	1 1			1	1	PERFORM NATURAL SURGES #7-#9 W/ 110 PSIG- RETURNS: VERY LIGHT AMOUNT OF FINE COAL DUST.						
	20:30 - 21:00	0.50	RPCOM	TRIP	COMPZN	GIH W/ 6-1/4" DRLG ASSEMBLY F/ 2973'KB & TAG @ 3201'KB, 0' OI NEW FILL.						
	21:00 - 05:00	8.00	EVALWE	CIRC	COMPZN	CLEANOUT FILL F/ 3201-T/3215'KB-						
						CIRCULATE AND CONDITION HOLE FOR LINER @ 3215TD, PBTD						
		I		l		W/ 1500 CFM AIR & 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER						
	1	İ		ì	}	& 1/2 GAL OF CORRISION INHIBITOR / 10 BBLS PRODUCED Kfc						
	1 1	}		}	}	WATER @ 400 PSIG-						
	{	1				RETURNS: 1/2+ DOWN T/ 1/10 BUCKET / HR OF COAL FINES OFF MUD LOGGER SAMPLIER VALVE.						
	05:00 - 06:00	1 00	RPCOME	TOID	COMPZN	SHORT TRIP UP INTO 7" @ 2973'KB-						
	05.00 - 00.00	1.00	I COM	11311	OOMI ZIV	HANG BACK POWER SWIVEL.						
0/5/2004	06:00 - 08:30	2.50	WELLPR	RURD	PROD1	SAFETY MEETING PRIOR TO STARTING OPERATIONS-						
	}	1		}		MU "H" LATCH LINER HANGER ASSEMBLY ON FIRST JOINT OF						
		•		}		DRILL PIPE.						
						MU 6-1/16" TIW BLADED SHOE ON 1ST JOINT OF CASING						
	08:30 - 09:30	1.00	WELCTL	BOPE		X-O & PT PIPE RAMS T/ 110 PSIG- (OK)						
ì	09:30 - 12:00	2.50	CASING	BIINC		BLEED WELL DOWN TO PIT SLOWLY. GIH W/ 5-1/2" 15.5 PPF J-55 LT&C CASING / LINER AS FOLLOWS:						
	09.30 - 12.00	2.50	CAGING	KUNC	ſ							
			1		1	6-1/16" OD BLADED SHOE W/ FLOAT VALVE - 1.00'						
			-		1	6- JTS 5-1/2" CASING 270.86'						
	1	1	-	Į.	- 1	6-1/8" TIW "H" ROTATING SET COLLAR						
ļ	ĺ	1	1	1		2.40'						
	1		- 1		ŀ	TOTAL LINER ASSEMBLY						
1					- 1	274.26'						
}	12:00 - 13:00	1.00 C	ASING	4080 F		GIH & SET 5-1/2" LINER ASSEMBLY F/2980-T/3215'KB EOL-						
	1					W/ PBTD @ 3214'KB- RELEASE OFF OF LINER ASSEMBLY TOL @ 2941KB.						
- 1	Į	l	ĺ			RELEASE OFF OF LINER ASSEMBLY TOL @ 2941KB. 7" SHOE @ 2990'KB.						
-	3:00 - 17:00	4.00 R	PCOMP	PULD		COOH & LAYDOWN 2-7/8" DP AND SETTING TOOL-						
						TRIP IN & LAYDOWN DC'S.						
1	7:00 - 19:00	2.00 W	ELLPR F	RURD C	- 1	RU TO PERFORATE-						
			1	1		PREP 2-3/8" PRODUCTION TBG.						
1	9:00 - 19:30		ELLPR C			SDON.						
	7:00 - 07:30		TIMOPIS		OMPZN F	PJSM AND JSA WITH ALL PERSONEL ON LOCATION.						

Operations Summary Report

Legal Well Name:

SAN JUAN 30-5 UNIT 229A

Common Well Name: SAN JUAN 30-5 UNIT 229A

Event Name:

COMPLETION

Start:

9/27/2004

Spud Date:

End:

10/6/2004

Contractor Name:

KEY ENERGY SVCS

Rig Release: 10/6/2004 Rig Number: 27

Group:

Rig Name:

KEY 27

Rig Nam	ne:	KEY 27	•			Rig Number: 27					
Date	From - To	Hours	Code	Sub Cod		e Description of Operations					
10/2/2004	04:00 - 06:00	2.00	RPCOM	IPTRIP	PROD1	HANG BACK POWER SWIVEL- COOH W/ DRLG ASSEMBLY.					
10/3/2004	06:00 - 10:00	4.00	RPCOM	IFTRIP	COMPZ	· · · · · · · · · · · · · · · · · · ·					
						MU 5-7/8" X 9.5" BAKER OIL TOOLS UNDER-REAMER W/ (ROLLER CUTTERS), W/ 14/32" INCH JET W/ SHOCK SUB, W/ 10-(3-1/2")					
1 1		}				DC'S,- GIH W/ BHA W/ 2-7/8" AOH DRILL PIPE W/ 1.875" ID "F" NIPPLE					
				1		RUN 1-JT ABOVE DRILL COLLARS T/3000'KB, 7" SHOE @ 2990'KB. RU POWER SWIVEL.					
	10:00 - 14:30	4.50	DRILL	REAM	PROD1	BREAK CIRCULATION & UNDER-REAM @ 600+ PSIG W/ 1500 CFM					
				1		AIR &12 BPH MIST- F/3000-3215'KB/PBTD W/ 700-1500-FT-LBS OF TORQUE, W/ ~4K WOB @ 80+ RPM'S.					
	14:30 - 17:30 3.00 EVALWB CIRC PROD1 CIRCULATE AND CONDITION HOLE @ 3215'TD, PBTD W/ 1500 CFM & 12-6 BBL / HR MIST-										
	17:30 - 18:00	0.50	RPCOME	TRIP	PROD1	RETURNS: FINE SAND & COAL. SHORT TRIP UP INTO 7" @ 2988'KB.					
	18:00 - 19:00	1.00	EVALFM	PRDT	PROD1	FLOW TEST THRU 2" TIME CHOKE MANIFOLD #'S PITOT #'S MSCFD /					
						CONSISTENCY 15MIN 7.5 1.88 816 / DRY					
	1 1	1				30MIN 8.5 2.13 901 / DRY					
		1				45MIN 8.5 2.13 901 / DRY 60MIN 8.5 2.13 901 / DRY					
	19:00 - 20:00	1.00	EVALFM	SIPB	PROD1	SIPBU ISIP 15MIN 30MIN 45MIN 60MIN					
			}			20# 105# 110# 110# BLEED WELL SLOWLY DOWN TO PIT.					
	20:00 - 01:00	5.00	RPCOMP	TRIP	PROD1	COOH & LAYDOWN UNDER-REAMER- GIH W/ 6-1/4" DRLG ASSEMBLY & TAG 8' OF FILL @ 3207'KB-					
	04.00 00.00	5 00	EVALFM	SIDD	COMPZN	PULL UP INTO 7" @ 2973'KB.					
	01:00 - 06:00	5.00 1	EVALFIMI	SIPB	COMPZIN	SURGE # ISIP 15MIN 30MIN 45MIN 60MIN					
						2 25# 95# 105# 110# 110# 3 20# 100# 110# 110# 110#					
						4 27# 105# 110# 110# 110# PERFORM NATURAL SURGES #2-#4 W/ 110 PSIG-					
0/4/2004	06:00 - 10:00	4 00 5	EVALFMS	2100	COMPZN	RETURNS: VERY LIGHT AMOUNT OF FINE COAL DUST. SAFETY MEETING PRIOR TO STARTING OPERATIONS-					
JI412004	00.00 - 10.00	4.00	ZVALINIS		COMPZIV	SIPBU					
					,	SURGE # ISIP 15MIN 30MIN 45MIN 60MIN 5 20# 105# 110# 110# 110#					
						6 20# 100# 105# 110# 110#					
						PERFORM NATURAL SURGES #5-#6 W/ 110 PSIG- RETURNS: VERY LIGHT AMOUNT OF FINE COAL DUST.					
	10:00 - 10:30		РСОМРТ			GIH & TAG TOP OF FILL @ 3201'KB, 14' OF FILL.					
	10:30 - 12:00	1.50 E	VALWBC	IRC C	COMPZN	R&R @ 3201'KB W/ 1500 CFM AIR & 6 BPH MIST CONTAINING 1-GAL F-450 FOAMER & 1/2 GAL OF CORRISION INHIBITOR / 10 BBLS					
ļ					j	PRODUCED Kfc WATER @ 400 PSIG-					
ļ					1	RETURNS: 1+ DOWN T/ 1/4 BUCKET / HR OF COAL FINES OFF MUD LOGGER SAMPLIER VALVE.					
						"PERIODIC SHUT DOWNS TO ALLOW INCLIMATE WEATHER					

Operations Summary Report

Legal Well Name: SAN JUAN 30-5 UNIT 229A Common Well Name: SAN JUAN 30-5 UNIT 229A

Event Name: Contractor Name: COMPLETION

KEY ENERGY SVCS

Start: Rig Release: 10/6/2004

9/27/2004

Spud Date: End:

Group:

10/6/2004

Rig Name:

KEY 27

Rig Number: 27

rig Name.		NET 21				Rig Number. 27								
Date	From - To	Hours	Code	Sub Code		Description of Operations								
10/2/2004	07:00 - 15:30	8.5	0 DRILL	DRLG	PROD1	BREAK CIRCULATION W/ 1500 CFM AIR & 6-8 BPH MIST CONTAINING 1 GAL F-450 FOAMER & 1/2 GAL CORRISION INHIBITOR / 10 BBLS PRODUCED Kfc WATER@ ~400 PSIG-CLEANOUT CMT/FC @2947'KB/CMT/FS @ 2990'/8-3/4" HOLE T/2995'KB DRILLING 6-1/4" OPEN HOLE SECTION F/2995 T/ 3215'KB, PBTD-W/ 6K WOB @ 70-80 RPM'S @ 1100-1400 FT-LBS OF TORQUE-COAL INTERVALS NET FEET OF COAL MAX GAS UNITS 3004-3005' (1') 50 3029-3030' (1') 39 3040-3041' (1') 42 3048-3049' (1') 57 3074-3076' (2') 57 3100-3108' (8') 164 3110-3120' (10') 184 3121-3130' (9') 186 3131-3138' (7') 183								
	15:30 - 17:30	2.00	EVALWB	CIRC	PROD1	PICTURED CLIFF TOP @ 3184'KB. LOST CIRCULATION ~3200'KB WHILE DRILLING- REGAIN CURCULATION AND CIRCULATE @ TD. R&R @ 3215'TD, PBTD W/ 1500 CFM & 8 BBL / HR MIST RATE W/ ABOVE CHEMICALS @ 400 PSIG- RETURNS: 3/4+ DOWN T/ 1/4 OF A BUCKET / HR OFF MUD LOGGER SAMPLIER VALVE OF FINE COAL. SEVERAL SLUGS OF WATER AND INITIAL WATER RATE SHOWED WATER INFLUX FROM POROUS SAND BELOW PC- NOTIFY BLM & OCD @ 18:00, 10-1-2004 OF POSSIBLE PLUG BACK ABOVE PC TOP-								
	17:30 - 20:00	2.50	EVALFM	CIRC	PROD1	DRY UP WELLBORE W/ 1500 CFM AIR- 1 GAL / 40 MIN YEILDS~3/4 BWPD.								
}	20:00 - 20:30	0.50	RPCOMPT	TRIP I	PROD1	SHORT TRIP UP INTO 7" @ 2973'KB.								
	20:30 - 21:30	1.00	EVALFM	PRDT		FLOW TEST THRU 2" TIME CHOKE MANIFOLD #S PITOT #'S MSCFD / CONSISTENCY 15MIN 8 2.0 869 / DRY 30MIN 10 2.5 970 / DRY 45MIN 10 2.5 970 / DRY 60MIN 10 2.5 970 / DRY								
	21:30 - 00:30	3.00 E	EVALFMS	IPB F	PROD1	SIPBU ISIP 15MIN 30MIN 45MIN 60MIN 25 90 100 110 110 NATURAL SURGE #1 W/ 110#'S- BLOW AROUND TO PIT W/ AIR MIST- RETURNS: VERY LITTLE IF ANY COAL FINES- DRY UP W/ AIR ONLY.								
II.	00:30 - 01:00		PCOMPTI		ROD1	GIH W/ 6-1/4" DRLG ASSEMBLY & TAG @ 3210'KB, 5' OF FILL.								
C	01:00 - 04:00	3.00 E	VALWBC	IRC P	ROD1 I	UNLOAD WELLBORE W/ 1500 CFM AIR ONLY- NO WATER / DRY.								
lo	4:00 - 06:00	2.00 R	PCOMPTE	RIP P		PULL UP INTO 7"-								
		}		1	1									

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Operations Summary Report

Legal Well Name:

SAN JUAN 30-5 UNIT 229A

Common Well Name: SAN JUAN 30-5 UNIT 229A

Event Name:

COMPLETION

Start:

9/27/2004

Spud Date:

End: Group: 10/6/2004

Contractor Name: Rig Name:

KEY ENERGY SVCS KEY 27

Rig Release: 10/6/2004 Rig Number: 27

Rig Nam	ne:	KEY 27	7		Rig Number: 27						
Date	From - To	Hours	Code	Sul Coc		Description of Operations					
9/28/2004	07:00 - 07:30 07:30 - 19:00		0 DRILL MOVE	SFTY	,						
9/29/2004	07:00 - 19:00	12.00	STIMOP	RURD	COMPZN	FINISH RIGGING UP, REPLACE PISTONS IN #1 BOP, WELD MUFFLER ON BLOOIE LINE, INSPECT DRILL COLLARS AND ALL SUBS, INSTALL ELECTRIC PUMP ON BOP CLOSING UNIT, CHANGE OILS ON RIG. SECURE WELL AND RIG, SHUT DOWN FOR THE NIGHT.					
9/30/2004	06:00 - 09:00	3.00	STIMOP	OTHR	COMPZN						
10/1/2004	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	SAFETY MEETING PRIOR TO STARTING OPERTION- SICP -0- PSIG.					
	07:30 - 10:30	3.00	WELCTL	ВОРЕ	COMPZN	MUDDY LOCATION & ACCESS ROAD CONDITIONS. PT BLIND RAMS / 7" CASING T/ 275 PSIG -3MIN. PERFORM CASING INTEGRITY / BLIND RAM TEST T/ 1800 PSIG-30 MIN (OK) NOTIFY BLM @12:00, 9-27-2004 OF PENDING TEST. MU 2-7/8" AOH X 7-1/16" TEST PLUG AND LOCK DOWN IN TBG HEAD- PT #2 PIPE RAMS CHOKE MANIFOLD T/300 PSIG -3 MIN & 1800 PSIG -10MIN (OK) PT #1 PIPE RAMS & HCR VALVES T/250 PSIG-3MIN & 1800 PSIG-10MIN (OK) PULL AND LAYDOWN TEST PLUG- PT AIR LINES & MIST PUMP T/1700 PSIG (OK).					
	10:30 - 14:30	4.00	RPCOMP	PULD		SLIP, TALLY, & CALIPER DC'S- SLIP & TALLY 2-7/8" AOH DRILL PIPE- MU 6-1/4" RR TRI-CONE INSERT BIT JETTED W/ 3-20'S W/ 3-1/2" REG BOX x 2-3/8"IF BOX BIT SUB BORED, TAPPED, AND CONTAINING A FLOAT VALVE, W/ 10-(3-1/2") DC'S-TBHA 307.', W/ 2-3/8"IF X 2-7/8" AOH X-O SUB, W/ 83- JOINTS 2-7/8" AOH DRILL PIPE T/2900'KB, TOC/STRINGERS.					
	14:30 - 15:30	1.00 V	WELLPR	RURD	COMPZN	RU POWER SWIVEL- PT STANDPIPE / KELLY HOSE / POWER SWIVEL / & 2-7/8" TIW VALVE T/ 2000 PSIG-10 MIN (OK) .					
	15:30 - 16:30	1.00 V	VELLPR	SFTY	COMPZN	RIG & AIR EQUIPMENT INSPECTION AND CORRECTIONS- ACCUMULATOR ELECTRIC/ DIAPHRAM PUMP REVIEW.					
	16:30 - 17:00		VELLPR	- [COMPZN	SPOT MUD LOGGER TRAILER- SDON.					
0/2/2004	07:00 - 15:30	8.50 D	PRILL [ORLG	PROD1	SAFETY MEETING PRIOR TO STARTING OPERATIONS-					

ConocoPhillips

END OF WELL SCHEMATIC

Well Name	: San Juan 30-5 # 229A					Spud:	15-Aug	ı-04
	30-039-27773				Release D	-	19-Aug	
Location	1: 1700' FSL & 1500' FEL		s well is equipped				27-Sep	
	Sec. 21 - T30N - R5W	7-1/	₁₆ " 3M x 2- ³ / ₈ " EUI	E 8rd Bonnet	Release C	av Rig_	6-Oct-	04
	Rio Arriba County, NM		3M x 7-1/16" 3M	•			-	
	: 6401' GL (above MSL)	9-5/	8" 8 RD x 11" 3M	Casing Head				
	: 13' above Ground Level : Drl Rig RKB = 13' above GL				-faceComent			
Datu	DIT RIG RND - 13 ADOVE OL			90	rfaceCement Date cmt'd:	16	Aug-04	
Surface Casing	Date set: 16-Aug-04	X Nev	~ [ead: 150 sx Class G C		-Aug-v→	
Size	·	Use			+ 2% BWOC S001 CaC			
Set at		_			+ 0.25 lb/sx D029 Cellop		lakes	
Wt.	32.3 ppf Grade H-40				1.16 cuft/sx, 174 cuft slu	urry at 1	5.8 ppg	
	12 1/4 in Conn STC]	11	Displacement:			
	125%	"	4		Bumped Plug at:			0 psi
T.O.C.		hoe <u>243</u> ft		}	Final Circ Press:			
	TD of 12-1/4" I	nole <u>243</u> ft			Returns during job:			
Not	find DIM @ hre on				MT Returns to surface:		5 bbls	
Notified	fied BLM @ hrs on _ NMOCD @ hrs on _	13-Aug-04		w	Floats Held: _ O.C. for <u>6.00</u> hrs (pl			
Mounea	NMOCD (WIIIS OII _	13-Aug-04			O.C. for <u>19.00</u> hrs (pl			30P)
Intermediate C		X Nev	1 111	<u>Int</u>	ermediate Cement	40	. 04	
	7 in 71 jt 2995 ft 0 p		ed		Date cmt'd:		Aug-04	
Set at	2995 ft 0 ppf Grade J-55	ups		4	ead : <u>385 sx Class G Ce</u> + 3% D079 Extender	<u>ement</u>		
	8 3/4 in Conn STC		1 1 111		+ 0.25 lb/sx D029 Cellop	hage FI	akos	
Excess Cmt		ollar 2952 ft		1 1	+ 0.2% D046 Antifoam	Hane i .	akes	
	SURFACE Bottom of Casing S		7	1 -	2.61cuft/sx, 1004.9 cuft	slurry at	11.7 ppg	
		lole 2995 ft	/	(]				
	ft				Tail: 100 sx 50/50 POZ	: Class	G cemer	nt
	fied BLM @ 10:30 hrs on		\		+ 2% D020 Bentonite			
Notified	NMOCD @ 10:30 hrs on _	17-Aug-04	/	1 / -	+ 2% S001 Calcium Chlo	oride		
		[]		, , -	+ 5 lb/sx D024 Gilsonite			
Production Line		X New	1 1 1 1 1	1 1 -	+ 0.25 lb/sx D029 Cellop	hane Fi	akes	
Size		Use	° \	1 / -	+ 0.1% D046 Antifoam 1.27 cuft/sx, 127 cuft slu	at 13	Fana	
Nominal Wt. Grade		TC)	-	Displacement:			
# Jnts:		10	/	\	Bumped Plug at:			Λ nsi
	6.25 / 9.5 inches		(Final Circ Press:			
	ed 6-1/4" hole to 9.5" from 3000' to 3	215') [Ш	/	Returns during job:			
Top of Liner	ft		/ 🔳		IT Returns to surface:		20 bbls	
PBTD	3214 ft				Floats Held:	X Yes	No	
Bottom of Liner	3215ft							
			\	1 /				
			<i>)</i>	/				
This well was NOT	cavitated.			UN	CEMENTED LINER			
					Schematic prepared by:			
			TD 3,215		Steven O. Moore, Drilling	Engine	er	
COMMENTS:					11-Oct-2004			
9-5/8" Surf:	No float equipment was run. Ran a	guide shoe and an a	aluminum baffle pl	ate 1 jt above	the guide shoe @ 201'.			
	Displaced top wiper plug with water.	Shut in casing hea	d and WOC before	e backing out	landing jt.			1
	CENTRALIZERS @ 233', 146', 102'	, & 69'.				Total:	4	
7" Intermediate	DISPLACED W/ 119.6 BBLS. FRES	H WATER.						
	CENTRALIZERS @ 2985', 2907', 28			10'.		Total:	9	
	TURBOLIZERS @ 2608', 2564', 25					Total:	6	
5.5" Liner	Ran 6-1/16" bladed shoe and w/ floa	·						
Perforations	Perforated 5-1/2" liner with guns on	E-line at 4 spt, 0.75	diameter, 120 de	gree pnased r	ioles			
	Perf. Intervals: 3028'-3031', 3040'-3					AL SHO	ΓS = 180.	
Tubing	32.68' x 2-7/8" EUE 8rd box Orange		•).25" x 8" slots	just below the upset,			
	2-7/8" x 2-3/8" EUE 8rd crossover co 1 ea 8' x 2-3/8" EUE pup jt and 100	•						
	Bottom of Mud Anchor at 3199'. F-N							
Pump	12" long strainer attached below 1-1.			x 1-1/4" OD s	inker bars on top of pum	р		
&	123 ea 3/4" OD rods, 1 ea 6' x 3/4" (-1/4" OD x 22' poli	ished rod, and	1 ea 2' pony rod on top.			- 1
Dada	Out assess in E. Alimaia at 2400! MD D	L/D						- 1