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

	WELL C	OMPL	ETION C	R REC	OMPL	ETIO	N REPOR	₹Т	AND L	.OG	Ī		ease Serial No. NMSF078739		
la. Type o	f Well	Oil Well	_		Dry	□ Ot						6. If	Indian, Allotte	ee or 1	ribe Name
b. Type o	f Completion	⊠ N Othe		□ Work	Over	□ Dee	epen D I	Plug	Back	□ Diff. I	Resvr.	7. U	nit or CA Agre NMNM78419E	eemen	t Name and No.
2. Name of	Operator COPHILLIPS	S COMP.	ANY		Cont	act: CH E-N	RIS GUSTA Nail: christin	ART	IS Oslantis	DCS BOCOD	hillips.cor		ease Name and SAN JUAN 30		
3. Address	PO BOX 2	197 WE	3 6054 7252				3a. Phone Ph: 832	*\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	o: (includ 3.2463	e area con			PI Well No.		-27086-00-C1
4. Location	of Well (Rep	ort locati	ion clearly and 5W Mer NA	d in acco	rdance wi	th Fede	ral re oblice me	ents	*0//	200 C	3		Field and Pool		
At surfa	ice NESE	1977FSI	L 661FEL 3	5.79611 I	N Lat, 10	7.3372	o vitton	便		Og	2728	11.	Sec., T., R., M	., or E	lock and Survey ON R5W Mer NM
	orod interval r	eported b	elow				11.13	Q	By Co	0 0 _m	23	12.	County or Pari		13. State
At total depth RIO ARRIBA NM 14. Date Spudded 15. Date T.D. Reached Date Completed 17. Elevations (DF, KB, RT, GL)*												1			
05/21/2				/28/2004			B	D& 2/4	A 2/2004	Ready to	rod.		6669		K1, G2)
18. Total I	•	MD TVD	8100	- 1	9. Plug l		D.: MD TV			98	20. Dep		idge Plug Set:	T	D VD
21. Type E TDT C	lectric & Oth BL GR CCL	er Mecha OTH	nical Logs R	un (Subm	it copy of	each)				Was	well cored DST run? ctional Sur	? vey?	No Ti	Yes (Submit analysis) Submit analysis) Submit analysis)
23. Casing a	nd Liner Reco	ord (Repo	ort all strings				a. a	_		CO1 0	Lat		T		
Hole Size	Size/G		Wt. (#/ft.)	Top (MD)		ttom ID)	Stage Cemer Depth	nter		of Sks. & of Cement	Slurry (BBI		Cement Top	,*	Amount Pulled
12.250 8.750		25 H-40 00 J-55	32.0 20.0		0	243 3732				150 620			,	0	_
6.250		00 J-35	12.0		0	8100				48			23	350	
											<u> </u>				
24. Tubing	Record					i							L	L	
	Depth Set (M		acker Depth	(MD)	Size	Depth	Set (MD)	P	acker De	pth (MD)	Size	D	epth Set (MD)	P	acker Depth (MD)
2.375	ng Intervals	7973				126	Perforation R	ecc.	ird		<u></u>	L			
	ormation	—т	Тор		Bottom	20.	Perfora				Size		No. Holes		Perf. Status
A)	DAK	ОТА		7968	803	5			7968 T	O 8035	0.34	Ю	72 O	PEN	
В)															
C)						4						+			
D) 27. Acid, F	racture, Treat	ment, Cer	ment Squeeze	Etc.		<u>.</u>									
	Depth Interva	ıl	T					Ar	nount an	d Type of N	Material			-	
	79	68 TO 86	035 FRAC'D	W/SLICK	WATER @	0 1.25 (6/MG FR; 35,	140	# 20/40 C	ARBOLITE	SAND; 381	8 BB	LS FLUID.		
								_							
								_							
28. Product	tion - Interval	A				· · · · · · · · · · · · · · · · · · ·		_							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF			il Gra		Gas Gravit		roduct	tion Method		
07/10/2004	07/09/2004	24		0.0	1279		8.6				´ (FLOWS	FRON	1 WELL
Choke Size	Tbg. Press. Flwg. 310	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF			as:O:	il	Well S	tatus				
1/2	SI	740.0		0	127		9				GSI				
28a. Produc	ction - Interva		ITart	Oil	I.C.:	1	ates 10	<u></u>					ACCEPTE	n e	OR RECORD
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF			or A		Gas Gravit	у	roduci	PRUBERIE	UF	UN NEGUKU
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF			as:O	i	Well S	tatus		-,1111	2	2004
	SI						<u>^</u>						FARMINI	id)A.	HELD OFFICE
(See Instruct	ions and space	es for ad	ditional data	on rever	se side)	MITTER	I I INDOD	N. 4.	TION C	ZCTTER#			BY		В
elec i Ru	NIC SUBMIS ** BL	M RE	VISED **	BLM R	EVISE	D ** B	LM REV	ISE	ED ** B	LM RE	/ISED *	* BL	M REVISE	ED *	V.

28b. Pro	luction - Inter	val C									
Date First Produced	Test Date				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 Sta	atus		
28c. Proc	luction - Inter	val D		L	L		<u> </u>				
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 Well Status Ratio				
29. Dispo	osition of Gas(Sold, used	for fuel, veni	ed, etc.)			<u> </u>				
	nary of Porous	Zones (Inc	clude Aquife	rs):				T	31. For	rmation (Log) Markers	
tests,	all important including dep ecoveries.	zones of po th interval	orosity and cotested, cushic	ontents there on used, tim	eof: Cored le tool open	intervals and a	all drill-stem shut-in pressure	s			
	Formation		Тор	Bottom		Description	s, Contents, etc.			Name	Top Meas. Depth
SAN JOS NACIMIE OJO ALA	NTO	(include pl	0 1583 2693	1583 2693 2903					OJ KIF FR PIC CH ME PC GA GR	CIMIENTO O ALAMO RATLAND UITLAND CTURED CLIFFS IACRA ENEFEE DINT LOOKOUT ALLUP REENHORN KOTA	1567 2774 2893 3162 3579 4692 5575 5799 7109 7786 7968
33. Circl 1. El 5. Su	e enclosed atta ectrical/Mechandry Notice for	are the we	ell schemati	q'd.)	r summary	2. Geologic I 6. Core Anal	ysis	3. I 7 C	DST Rep		tional Survey
34. I here	by certify that		Elect	ronic Subm For CON	ission #329 OCOPHI	980 Verified I LLIPS COMI	rect as determined by the BLM We PANY, sent to NE BRUMLEY	eli Informa the Farmin	tion Sys		ctions):
Name	e(please print)	CHRIS G	SUSTARTIS				Title Al	JTHORIZE	D REF	PRESENTATIVE	
								Date 07/14/2004			

END OF WELL SCHEMATIC

ConocoPhillips

Well Name:	San Juan 30-5 #90M	Spud Date:	21-May-2004	TD Date: 28-May-2004
API#:	30-039-27086	Spud Time:	22:30 hrs	Rig Release Date: 29-May-2004
RKB TO GRO	OUND LEVEL: 13 FT			
	ARE FROM RKB		Trash Cap	
ALL DEI 1110	AIL THOM IND	11	' 3M x 11" 3M Casir	ng Spool
			" 8 RD x 11" 3M Ca	
		3-3/0	T T T	T T
				Surface Cmt Date cmt'd: 22-May-04
		rol.		
Surface Casi		X N	1 1 1 1	Lead : 150 sx Class G Standard Cmt
Size		[]U:	sed	+ 2% CaCl2 + 0.25 lb/sx Flocele
Set at				
Wt.	32.3 ppf Grade H-40			
Hole Size	12 1/4 in Conn_STC_			174.0 cuft slurry at 15.0 ppg, 1.16 cuft/sk
Wash Out		oe <u>243</u> ft	⊿	Displacement: 15.0 bbls Fresh Wtr
Est. T.O.C.	0 ft TD of surface	ce <u>243</u> ft		Bump Plug:07:10 hrs w/ 500 psi
				Pressure Plug Bumped : 156 psi @ 2 bpm
			111	Returns during job: Yes
Noti	ified BLM @ hrs on	5/21/04		CMT Returns to surface: 10 bbls
		5/21/04		Floats Held: No floats run
				W.O.C. for 8 hrs (plug bump to test casing)
			111	
				Int. Cement Date cmt'd: 25-May-04
Intermediate	Casing Date set: 25-May-04	[X]Ne	.w	Lead : 400 sx Class G Standard Cement
Size			sed	+ 3% D079 Extender + 10 lb/sx PhenoSeal
Set at		ــان		+ 0.20% D046 Antifoam + 0.25 lb/sk flakes
Wt.				
				2.72 cuft/sx, 1088.0 cuft slurry at 11.7 ppg
Hole Size				Tail: 220 sx 50/50 POZ:Standard Cement
Wash Out		pe <u>3732</u> ft	4	+ 2% Bentonite + 6 lb/sx PhenoSeal
Est. T.O.C.	SURFACE TD of intermedia	te <u>3732</u> ft		+ 2% CaCl2 + 0.25 lb/sx Cellophane flakes
				+ 1.5% Gilsonite Extender + 0.10% Antifoam
				1.31 cuft/sx, 288.2 cuft slurry at 13.5 ppg
		5/24/04	1 1	Displacement: 149 bbls Fresh Wtr
Notified	NMOCD @ 01:35 hrs on	5/24/04		Bumped Plug at: 20:00 hrs w/ 1500 psi
				Final Circ Pressure: 900 psi @ 2 bpm
				Returns during job: Yes
			1 1	CMT Returns to surface: 10 bbls
				Floats Held: X Yes No
				W.O.C. for 9.5 hrs (plug bump to test casing)
Production C	asing Date set: 28-May-04	[X]Ne	ew []	
Size			sed	Prod. Cmt Date cmt'd: 28-May-04
Wt.				480 sx 50/50 POZ:Standard Cement
Hole Size			100 11	+ 3% Bentonite + 3.5 lb/sx Phenoseal
Wash Out:				+1.0% Gilsonite Extender + 0.25% Fluid Loss
Est. T.O.C.			1 1	
				+ 0.15% Dispersant + 0.10% Dispersant
Marker Jt:			1 1	+ 0.10% Retarder + 0.10% Antifoamer
Marker Jt:				+ 0.25 lb/sx Celiophane flakes
Marker Jt:	·		1 1	1.45 cuft/ sx, 696.0 cuft slurry at 13.1 ppg
				Displacement: 125 bbls 2% KCL water
	Тор	of Float Collar_8]	Bumped Plug at: 06:00 hrs w/ 2180 psi
		Csg Shoe _8	100 ft 🚄 📗	Final Circ Pressure: 1680 psi @ 2 bpm
				Returns during job: No (None Planned)
Noti	ified BLM @ 08:30 hrs on	5/27/04	TD 8,100	ft CMT Returns to surface:
Notified	NMOCD @ 08:35 hrs on	5/27/04		Floats Held: Yes
				Mud Wt. @ TD AIR ppg
COMMENTS:				
Surface:	No float equipment run. Ran guide shoe	and aluminum ba	ffle plate 1 it above	guide shoe @ 200'.
Intermediate:				
Production:	The 6-1/4" hole was air drilled and was filled w	vith air when the n	od csg was cmtd. The	erefore there were no returns during control
	and and are not med and	an anion mo pi	seg ,, as orme. 11	and the total to define defined diffuse.
CENTRALIZE	RS:			
Surface:	Centralizers @ 215', 190', 146', & 103'			Total: 4
Intermediate:	Centralizers @ 3730', 3686', 3599', 3512',		4', 141', & 54'.	Total:9
	Turbolizers @ 2908', 2864', 2821', 2778' 8	2735'		Total: 5
December 2	Management			· — · · —
Production:	No centralizers run on production casing			Total:none

Operations Summary Report

Legal Well Name:

SAN JUAN 30-5 UNIT 090M

Event Name:

Common Well Name: SAN JUAN 30-5 UNIT 090M

COMPLETION

KEY ENERGY SVCS

Start:

6/18/2004

Spud Date: 5/21/2004

End:

7/10/2004

Contractor Name:

Rig Release:

Group:

Rig ivame.	NET 15	Rig Number. 15
Date	From - To Hours Code	Sub Phase C

Rig Name:	•	KEY 15				Rig Number: 15
Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/1/2004	08:00 - 08:30	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	08:30 - 18:00	9.50	EVALFM	PLT	COMPZN	RU Schlumberger. Pressured up on 4 1/2" csg to 1500 #. Ran CBL log from 8058' to 2150'. Top of cement @ 2350'. Ran TDT log from 8058'
				1		to 2600'. WLM has PBTD @ 8058', Drillers depth @ 8140'. Ran GR/CCL log from 8058' to surface. SWI. RD Schlumberger.
6/3/2004	09:00 - 09:30	0.50	RPEQPT	SFTY	COMPZN	PJSM DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	09:30 - 11:00	1.50	RPEQPT	PRTS	COMPZN	RU STINGER 4.5" ISLOATION TOOL. RU TEST UNIT. TEST CSG TO 6700#. HELD TEST FOR 30 MIN. TEST WAS GOOD. WITNESSED BY
6/14/2004	07:00 - 07:30	0.50	WELLPR	SFTY	COMPZN	G. JUACUS W/ STINGER WH. RD STINGER AND RELEASE. PJSM W/ CREWS DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	07:30 - 08:30	1.00	PERF	PERF	COMPZN	RU BLUE JET WIRELINE UNIT. PU 3 1/8" HSC PP 120^ W/ 12g 321T CARGES AND RIH AND PERFORATE AS FOLLOWS. 7968'-7984',
:						8010'-8020', 8025'-8035'. ALL SHOTS ARE 2 SPF FOR A TOTAL OF 72 .34" HOLES. RD BLUE JET AND RELEASE.
	08:30 -				COMPZN	SCHLUMBERGER SD RU STATING LOCATION IS TOO SMALL TO RU SAFELY. RELEASE CREWS. DISCUSSED W/ PROJECT GROUP AND DECIDED TO CLOSE OUT RESERVE PIT TO ALLOW MORE FRAC EQUIPMENT ON LOCATION.
6/15/2004	07:45 - 08:15	0.50	WELLPR	SFTY	COMPZN	PJSM W/ CREWS DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	08:15 - 15:00	6.75	STIMOP	STIM	COMPZN	RU Schlumberger. Frac'd the Dakota. Tested lines to 7742#. Watch for 15 min. Set pop off @ 6000 #. Broke down formation @ 15 BPM & 2170 #. Pumped pre pad @ 45 BPM @ 4105 #. SDRT 36 BPM @ 3129 #. SDRT 25 BPM @ 2799 #. SDRT 18 BPM @ 2173#. SDRT 10 bpm @ 2210#. ISIP 2050 #. 5 min 1553 #, 10 min =1236# . 15 min= 940#. 20 min= 815#, 25 min= 674#, 30 min= 572#. Pumped 1000 gal 15% HCL @
6/16/2004	08:00 - 08:30	0.50	WELLPR	CETY	COMPZN	7.7 BPM & 1584#. Frac'd the Dakota w/ Slickwater @ 1.25 g/mg FR. 35,140 # 20/40 Carbo lite sand. FTR= 3818 bbls fluid. Avg rate 53.2 BPM. Avg psi 4332 #. Max psi 4852 #. Max sand cons .40 # per gal. ISIP 1670 #. Frac gradient .695. SWI. RD service companys. PJSM W/ CREWS DISCUSSED DAYS EVENTS AND WAYS TO
0/10/2004			VVELLER	3711		PREVENT INCIDENT.
	08:30 - 10:00	1.50			COMPZN	RU BLUE JET WIRELINE UNIT. RU 4.5" 5K HALLIBURTON CBP AND RIH AND SET @ 6030'. POOH AND TEST PLUG TO 4800#. TEST WAS GOOD. PU 3 1/8" SF GUNS W/ 12g 306T CHARGES W/ 90^PP AND PERFORATE MV FORMATION AS FOLLOWS: 5544'-5550', 5562'-5568', 5610'-5616', 5634'- 5640', 5664'-5670', 5814'-5826', 5838'-5844', 5884'-5888',5914'-5918'. ALL SHOTS ARE 1/2 SPF FOR A TOTAL OF 37 (.34") HOLES. POOH W/ GUNS RD BLUE JET.
	10:00 - 15:00	5.00	STIMOP	STIM	COMPZN	Frac the Mesaverde. Tested lines to 5892 #. Set pop off @ 4800 #. Broke down formation @ 3.4 BPM @ 2202 #. Start step test @ 30 BPM @ 1561#, SDRT, to 19 bpm & 671#, SDRT to 8 bpm &61#. ISDP= 0# Pumped 1000 gals of 15 % HCL acid @ 9.5 BPM @ 12 # Frac THE MV w/ 65 Q Slick Foam w/ 1.0 g/mg FR. 200,000 # of 20/40 Brady sand. Treated the last 15% of total proppant volume with propnet for proppant flowback control. 1893 bbls fluid. 2,912,900 SCF N2. Avg rate 65 BPM. Avg psi 4100. Max psi . 4407#, Max sand cons 1.5 # per gal. ISIP 2141 #. Frac gradient .44. SWI. RD Schlumberger.
	15:00 - 17:30 17:30 - 18:30		RPEQPT RPEQPT		COMPZN	RD SERVICE COMPANYS. AND RELEASE RU GCE FLOW BACK SERVICES. OPEN WELL TO START FLOWING

Printed: 7/14/2004 5:43:56 AM

Operations Summary Report

Legal Well Name: SAN JUAN 30-5 UNIT 090M Common Well Name: SAN JUAN 30-5 UNIT 090M

Event Name:

COMPLETION

Start:

6/18/2004

Spud Date: 5/21/2004

End:

7/10/2004

Contractor Name:

KEY ENERGY SVCS

Rig Release:

Group:

Rig Name:

KEY 15

Rig Number: 15

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
6/16/2004 6/28/2004	17:30 - 18:30 08:30 - 09:15		RPEQPT WELLPR	1	COMPZN COMPZN	ON 16/64" CHOKE @ 1400#. FLOW WELL FOR 24 HR. MIN. PJSM W/ CREWS. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT. CHECK LOC FOR HAZARDS. LO/TO. CHECK
	00:45 44:00	0.05	DDCODT	DUDD	COMPAN	WH AREA FOR LEL'S. SICP= 880#
	09:15 - 11:30 11:30 - 12:45		RPEQPT RPEQPT		COMPZN	SPOT UNIT AND EQUIPMENT. RU UNIT AND PUMP. SICP=960# KILL WELL W/ 30 BBL KCL. INSTALL HANGER W/ 2 WAY CHECK.
	11.50 - 12.45	1.23	REGE	KLVVL	CONFZIN	LOCK DOWN. ND FRAC VALVE. NU BOPE.
	12:45 - 14:15	1.50	RPEQPT	RURD	COMPZN	RU BLOOIE LINE AND SPOT TBG. FLOAT.
	14:15 - 15:15	I	RPCOM	1	COMPZN	TEST BOPE (BLIND AND PIPE RAMS) 250# LOW FOR 5 MIN EA.
						AND 3000# HIGH FOR 10 MIN EA. TEST WAS GOOD. WITNESSED BY H. FRIAS W/ KEY ENERGY SERVICES.
	15:15 - 16:00		RPEQPT		COMPZN	KILL WELL W/ 20 BBL. POOH W/ HANGER.
	16:00 - 17:00		RPEQPT		COMPZN	RU FLOOR AND TBG. TOOLS. TALLY FIRST ROW PIPE AND REMOVE THREAD PROTECTORS.
	17:00 - 17:15	0.25	RPCOM	OTHR	COMPZN	SECURE WELL SDFN.
6/29/2004	07:00 - 07:30	0.50	RPCOM	SFTY	COMPZN	PJSM W/ CREW DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	07:30 - 08:00	0.50	RPCOME	OWFF	COMPZN	SICP=940#. BWD.
	08:00 - 10:30	2.50	RPCOM	TRIP	COMPZN	MU AND TIH W/ MS COLLAR,1.81" FN AND 189 JTS 2 3/8" PICKING UP FROM FLOAT. TAG FILL @ 5920'. (NO PERFS COVERED.) 110' FILL TO CBP.
	10:30 - 16:00	5.50	RPCOM	FCO	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE. C/O FILL FROM 5920' TO CBP @ 6030". CIRCULATE CLEAN.
	16:30 - 17:00		RPCOME		COMPZN	POOH W/ 21 JTS 2 3/8" TBG. TO GET ABOVE PERFS.
	17:00 - 17:15		RPCOM		COMPZN	. SECURE WELL. SDFN.
6/30/2004	06:00 - 09:00		WELLPR		COMPZN	CONTRACTOR MONTHLY SAFETY MTG. @ BEST WESTERN.
	09:00 - 10:45	1		МОВ	COMPZN	DROVE TO LOCATION.
	10:45 - 11:00		RPCOME		COMPZN	PJSM W/ CREW DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	11:00 - 11:15		RPCOME		COMPZN	SICP=940#. BWD.
	11:15 - 11:45		RPCOME	ļ	COMPZN	TIH W/ 21 JTS 2 3/8" TBG AND TAG FILL @ 6018'. (NO PERFS COVERED.) 12' FILL TO CBP.
	11:45 - 16:00 16:30 - 17:00		RPCOME		COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE. C/O FILL FROM 6018' TO CBP @ 6030'. CIRCULATE CLEAN.
	17:00 - 17:15		RPCOME	1	COMPZN	POOH W/ 21 JTS 2 3/8" TBG. TO GET ABOVE PERFS.
7/1/2004	07:00 - 07:30		WELLPR		COMPZN	. SECURE WELL. SDFN. PJSM W/ CREW. DISCUSSED DAYS EVENTS AND WAYS TO PREVENT INCIDENT.
	07:30 - 09:30	2.00	RPCOME	TRIP	COMPZN	SICP=860#, BWD. TIH W/ 21 JTS 2 3/8" TBG. TAG FILL @ 6025'. (5' FILL OVER NIGHT.)
	09:30 - 10:30		RPCOME		COMPZN	BREAK CIRCULATION W/ AIR MIST. UNLOAD HOLE. C/O FILL FROM 6025' TO CBP @ 6030'. CIRCULATE CLEAN.
	10:30 - 11:00		RPCOME			CUT MIST DRY UP FORMATION W/ AIR. POOH W/ 22 JTS TO 5340' KB .
	11:00 - 11:30	!	RPCOMP	1	COMPZN	PJSM W/ RIG CREW, SLICK LINE AND PROTECHNICS.
	11:30 - 17:00	5.50	EVALFM	PLT	COMPZN	RU H& H SLICK LINE UNIT. MU AND RIH W/ EOT LOCATOR. POOH. PU PROTECHNICS SPINNER AND ISOTOPE LOGGING TOOLS. RIH OPEN WELL TO FLOW UP TBG. LET STABILIZE FOR 2.5 HR. PULL PRODUCTION LOG AND TRACER LOG IN MESA VERDE FORMATION. POOH AND CKECK IF DATA WAS RECIEVED. RD SERVICE COMPANYS.
	17:00 - 17:30	0.50	RPCOMF	OTHR	COMPZN	SECURE WELL SDFN.

Operations Summary Report

Legal Well Name:

SAN JUAN 30-5 UNIT 090M

Common Well Name: SAN JUAN 30-5 UNIT 090M

Event Name:

COMPLETION

Start:

6/18/2004

Spud Date: 5/21/2004 End: 7/10/2004

Contractor Name:

KEY ENERGY SVCS

Rig Release:

Group:

kig ivame:	KEY 15	Rig Number: 15
SCANDENG FLATER		

Tig Name.			10:245%81830°		Kalifa Jawa	平線開始的変型階級的影響の影響を記憶に異なりには高された。これでは最初な対象をはいれて
Date	From - To		Code	Sub Code		Description of Operations
7/6/2004	07:00 - 07:30		WELLPR		COMPZN	PJSM W/ CREWS.
	07:30 - 08:00		RPEQPT		COMPZN	SICP=860#, BWD.
	08:00 - 09:30	1	RPCOME	1	COMPZN	POOH W/ 170 JTS 2 3/8" TBG. LD FN AND MS COLLAR.
	09:30 - 11:00	1.50	RPCOME	TRIP	COMPZN	MU AND TIH W/ 3 7/8" MILL BIT SUB AND 190 JS 2 3/8" TBG. TAG
				1		FILL @ 6019'.
	11:00 - 12:00	i	RPCOME	1	COMPZN	C/O FILL TO CBP W/ AIR ASSIST. CIRCULATE CLEAN.
	12:00 - 12:30	1	RPEQPT	TRIP	COMPZN	POOH W/ 10 JTS TO 5715'
	12:30 - 16:30	4.00	FLOWT		COMPZN	FLOW TEST MV FORMATION AS FOLLOWS:
						MV PERFS 5544'- 5918'. 2 3/8" TBG SET @ 5715' KB. (BH FLOAT IN STRING -UNABLE TO
						FLOW UP TBG.)
						FLOW OF 183.) FLOW TEST UP CSG TO ATMOSPHERE W/ 1/2" CHOKE @
						SURFACE. (6.6 COEFICIENT)
		İ	ļ	ŀ	1	SITP= N/A
						FCP= 530#
						MV PRODUCTION = 3498 MCFPD
						5-7 BWPD
]					0 BOPD
	1					NO SAND , TEST WITNESSED BY H. FRIAS W/ KEY ENERGY
						SERVICES.
	}	}		}		
	16:30 <i>-</i> 17:10		RPEQPT		COMPZN	
	17:10 - 18:00		DRILL	DRLG	COMPZN	
7/7/0004	18:00 - 18:30		RPCOME		COMPZN	POOH W/ 20 JTS 2 3/8" TBG. SECURE WELL SDFN.
7/7/2004	07:00 - 07:30		WELLPR		COMPZN	PJSM W/ CREWS.
	07:30 - 09:00	1.50	RPCOME	TRIP	COMPZN	SICP=870#, BWD, TIH W/ 83 JTS 2 3/8" TBG. TAG FILL @ 8030'. 5'
	09:00 - 14:00	5.00	RPCOME	ECO	COMPZN	PERFS COVERED. BREAK CIRCULATION W/ AIR MIST. UNLOAD HOLE AND C/O FILL
	03.00 - 14.00	3.00	INFOOM	1.00	COMPZIA	TO 8064', CIRCULATE CLEAN, UNLOAD FRAC FLUID OOH.
	14:00 - 15:45	1.75	RPCOME	TRIP	COMPZN	TOOH W/ 230 JTS. COULD NOT SHUT PIPE RAMS TO KILL WELL
						AND COOH.
	15:45 - 16:30	0.75	RPCOME	TRIP	COMPZN	TIH W/ 100 JTS TO GET PIPE HEAVY. LAND WELL W/ BPV IN
					ļ	HANGER. TO BE ABLE TO OPEN DOORS AND INSPECT PIPE
					1	RAMS.
	16:30 - 18:00	1.50	RPEQPT	RURD	COMPZN	OPEN BOP AND FOUND PIPE RAM RUBBER HAD COME OFF. THE
				ľ		KEEPER PIN HAD WORKED FREE AND PREVENTED PIPE RAMS
						FROM CLOSING FULLY. REMOVED PIPE RAM BLOCKS. CLOSE
	10.00 10.00			j		DOORS.
	18:00 - 18:30	0.50	RPEQPT		COMPZN	SECURE WELL W/ BPV IN HANGER AND BLIND RAMS CLOSED.
7/9/2004	07:00 07:00	0.50	WELLES	CETY	COMPAN	SDFN. WILL R& R PIPE RAMS IN THE AM AND RE-TEST.
7/8/2004	07:00 - 07:30 07:30 - 08:30	1.00	WELLPR	SFIY	COMPZN	PJSM W/ CREWS. SICP= 1000#. BWD.
	07.30 - 06:30	1.00		į I	COMPZN	INSTALL NEW PIPE RAMS. BUTTON UP BOP. RE-TEST PIPE RAMS. KILL WELL W/ 20 BBL. POOH W/ HANGER.
	08:30 - 09:30	1.00	RPCOME	TPID	COMPZN	I
	09:30 - 12:00		RPCOME		COMPZN	TOOH W/ 113 JTS 2 3/8" TBG. LD MILL AND BIT SUB. MU AND TIH DRIFTING W/ MS EXP. CK, 1.81" FN AND 252 JTS 2 3/8"
	23.00		50.711		JUIN 211	TBG. TAG FILL @ 8050'.
	12:00 - 13:15	1.25	RPCOME	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE C/O TO PBTD OF
						8064'. PUMP OUT EXPENDABLE CK @ 1120#. PUH W/ 7 JTS TO
						7869' KB.
	13:15 - 14:00	0.75	RPEQPT	RURD	COMPZN	RU H&H SLICKLINE TRUCK. PU EOT LOCATOR AND RIH AND FIND
						EOT @ 7873' WLM. POOH. PU PROTECHNICS PRODUCTION LOG
						TOOLS. RIH . TAKE STATIC BH PRESSURE @ 7920'. RIH W/ TOOLS
						BELOW PERFS. OPEN WELL FLOWING UP TBG. (((EOT @ 7869'
	·	<u> </u>		L	L.,	Printed: 7/14/2004 5:43:56 AM

Operations Summary Report

Legal Well Name: SAN JUAN 30-5 UNIT 090M Common Well Name: SAN JUAN 30-5 UNIT 090M

Event Name:

COMPLETION

Start:

6/18/2004

Spud Date: 5/21/2004

End:

7/10/2004

Contractor Name:

KEY ENERGY SVCS

Rig Release:

Group:

Rig Name:

KEY 15

Rig Number: 15

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
7/8/2004	13:15 - 14:00 14:00 - 16:00		RPEQPT RPCOMF	ı	COMPZN COMPZN	KB))) LET WELL FLOW TO ATMOSPHERE W/ 1/2" CHOKE @ SURFACE. PRESSURE STABILIZED @ 740# SICP, 310# FTP. LIGHT MIST
	16:00 - 19:45	3.75	RPEQPT	OTHR	COMPZN	REALIZED @ PIT.W/ SLUGS OF FLUID ACAISIONALY. PULL PRODUCTION LOG ACROSS DK INTERVAL. POOH W/ TOOLS. CHECK TO ENSURE DATA IS DOWNLOADED. RD SERVICE COMPANYS. (((DK PRODUCTION INFO FOR ALLOCATION WILL BE
7/9/2004	07:00 - 08:00	1.00	WELLPR	SFTY	COMPZN	ADDED TO REPORT AFTER LOG IS PROCESSED))) PJSM W/ CREWS. SICP= 1000#. BWD. YESTERDAYS PRODUCTION LOG DID NOT HAVE SUFICIANT DATA.
	08:00 - 13:15	5.25	RPCOME	CIRC	COMPZN	BREAK CIRCULATION W/ AIR. UNLOAD HOLE C/O TO PBTD OF 8064'. PUH W/ 7 JTS TO 7869' KB.
	13:15 - 14:00	0.75	RPEQPT	RURD	COMPZN	RU H&H SLICKLINE TRUCK. PU EOT LOCATOR AND RIH AND FIND EOT @ 7873' WLM. POOH. PU PROTECHNICS PRODUCTION LOG TOOLS. RIH . TAKE STATIC BH PRESSURE @ 7920'. RIH W/ TOOLS BELOW PERFS. OPEN WELL FLOWING UP TBG. (((EOT @ 7869' KB)))
	14:00 - 16:00	2.00	RPCOMP	OWFF	COMPZN	LET WELL FLOW TO ATMOSPHERE W/ 1/2" CHOKE @ SURFACE. PRESSURE STABILIZED @ 740# SICP, 310# FTP. LIGHT MIST
	16:00 - 18:30	2.50	RPEQPT	OTHR	COMPZN	REALIZED @ PIT. PULL PRODUCTION LOG ACROSS DK INTERVAL. POOH W/ TOOLS. CHECK TO ENSURE DATA IS DOWNLOADED. RD SERVICE COMPANYS. (((DK PRODUCTION IS AS FOLLOWS))) DK PERFS- 7968'-8035' 2 3/8" TBG SET @ 7869' KB SICP= 740# FTP= 310# W/ 1/2" CHOKE @ SURFACE FLOWING TO ATMOSPHERE PROD LOG HAS DK PRODUCTION @ 1279 MCFPD 8.6 BWPD 0 BOPD NO SAND. TEST WITNESSED BY H. FRIAS W/ KEY ENERGY SERVICES.
7/10/2004	18:30 - 18:45 07:00 - 08:00 08:00 - 09:30	1.00	RPCOMF RPCOMF	SFTY	COMPZN COMPZN COMPZN	SECURE WELL SION. PJSM W/ CREWS. SICP=1000#. BWD. TIH DRIFTING W/ 3 JTS 2 3/8" TBG. LAND WELL IN HANGER W/ 248 JTS @ 7973' KB. TOP OF 1.81" FN @ 7971' KB. ND BOPE, NU MASTER VALVE. TEST SEALS.
	09:30 - 11:00	1.50	RPEQPT	RURD	COMPZN	RD UNIT AND EQUIPMENT. MO LOC TO SJ 30-5# 88M. TURN OVER TO FACILITY SUPERVISOR TO BUILD PLUNGER SYSTEM. ((((FINAL REPORT)))) RETURNED 4 GOOD JTS AND 3 BENT JTS TO TUBOSCOPE FOR INSPECTION.