Form 3160-4 (October 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other Instructions on reverse side) FOR APPROVED

AUG 24 2011

TEXPIRE DECEMBER 31, 1991

5. LEASE DESIGNATION AND SERIAL NO FARMING/RAP FIGH Office

-									l.	Ruroau ari			
VELL C	OMPLI	ETION O	R RE	COMPL	ETION F	₹EPC	ORT AND	LOG		6. IF INDIAN, ALLOF	TEE'OR TRIBE NAME		
1a TYPE OF			OIL WELL	GAS WELL X	DRY	Other				NMNM'	78417R-		
			WELL] WELL [7 UNIT AGREEMEN	TNAME		
b TYPE OF	COMPLETI			7 8446 [7]	DISC	1			1		JAN 29-7 UNIT		
	WELL X	WORK OVER	DEEP-	PLUG BACK	DIFF RESVR	Other				8 FARM OR LEASE	NAME, WELL NO		
											N 29-7 UNIT 86N		
	F OPERATO		0:10	00						9 API WELL NO	000 04000 00 41		
		PHONE NO.	UII & C	Gas Compa	any					10 FIELD AND POO	039-31000-00C1		
		, Farmingto		BASIN DAKOTA									
		. (Report locatio		11 SEC, T, R, M, OR BLOCK AND SURVEY									
At surface	е В	(NW/NE), 480	'FNL 8	3 2075' FEL						OR AREA			
		, ,,											
At top pro	od interval re	ported below	С	(NE/NW), 6	17' FNL & 20	33' FV	<i>/</i> L			Sec. 17, T29N, R7W			
	_	.											
At total de	epth C	(NE/NW), 617	'FNL 8	½ 2033' FWL									
				F	14 PERMIT N	0.	DATE ISSUE	D		12. COUNTY OR	13 STATE		
				ŀ		·				PARISH			
				14 5100	OLIDI (S		<u> </u>			Rio Arriba	New Mexico		
5 DATE SPU 04/02/		DATE T D REA 04/15/1		17 DATE C	OMPL (Ready)		,	18 ELE	EVATIONS (DF, RK		19 ELEV. CASINGHEAD		
	TT EPTH, MD &TV			KTD, MD&TV	08/11/1 D 22 IF MULT			23 INT	GL 6773' ERVALS	ROTARY TOOLS	CABLE TOOLS		
. JOINE DE	, INIL) OX I V	_ 21 P1	, DAU	U, INIU QIVL	- IEE II- WIUL	HOW M			ERVALS ELLED BY	MOTART TOOLS	OUDER LOOFS		
	84' / 7988' \			0' / 7984' VD		2				yes			
4 PRODUCT	TION INTERVA	L (S) OF THIS CO	MPLETIC	ON-TOP, BOTTO	M, NAME (MD A	ND TVD)*				25 WAS DIRE			
Basin I	Dakota 8°	108' - 8272'								SURVEY	YES		
		THER LOGS RUI	1							27 WAS WELL CORE			
GR/C	CL/CBL										No		
8					CASING RE	CORD (Report all strings	set in v	vell)				
CASING SIZ	ZE/GRADE	WEIGHT, LB /	-T [DEPTH SET (M					MENTING RECO	RD	AMOUNT PULLED		
9 5/8" /	H-40	32.3#		235'	12 1	/4"	Surface,	110sx	(169cf-44bbls	5)	1bbls		
								ST@	3330'				
7" / J 4 1/2" /		23# 11.6#		4176'	8 3/				1132cf-204bbl		58bbls		
4 1/2 /	L-00		R RECO	8282'	6 1/-		30	, 3028	x(608cf-108b	TUBING RECOR	<u> </u>		
SIZE	TOP (MD)	ВОТТОМ (SACKS CEMEN	T* SCREEN		SIZE	T	DEPTH SET (N		PACKER SET (MD)		
	131 ()	30110(-	31010 0211211	- CONTECT	* (5)	2 3/8"	-	8175'	,,,,	MOREN GET (MD)		
								4.7# /	L-80				
				-1	32		ACII	D SHO	T, FRACTURE,	CEMENT COLLECTE	ETA		
		D (Interval, size a	nd number	<u>r)</u>									
akota w/ .3	34" diam.		nd number	<u>()</u>		8108'-		Acidiz	ze w/ 10bbls 1	5% HCL. Frac'd v	v/ 138,138gals 70%		
akota w/ .3 SPF @ 822	34" diam. 24'- 8272' =	24 Holes	nd number	<u>r)</u>		8108'-		Acidiz Qualit	ze w/ 10bbls 1 ty N2 Slick/Fo	5% HCL. Frac'd v am pad w/ 40,100	v/ 138,138gals 70% 0# 20/40 Brown Sand.		
akota w/ .3 SPF @ 822	34" diam.	24 Holes	nd number	<u>r)</u>		8108'-		Acidiz Qualit	ze w/ 10bbls 1 ty N2 Slick/Fo	5% HCL. Frac'd v	w/ 138,138gals 70% b# 20/40 Brown Sand. DSCF.		
akota w/ .3 SPF @ 822 SPF @ 810	34" diam. 24'- 8272' = 08'- 8200' =	24 Holes	ad number	<u>n</u>		8108'-		Acidiz Qualit	ze w/ 10bbls 1 ty N2 Slick/Fo	5% HCL. Frac'd v am pad w/ 40,100	w/ 138,138gals 70% b# 20/40 Brown Sand. DSCF.		
akota w/ .3 SPF @ 822 SPF @ 810	34" diam. 24'- 8272' = 08'- 8200' =	24 Holes		<u></u>		8108'-		Acidiz Qualit	ze w/ 10bbls 1 ty N2 Slick/Fo	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400	w/ 138,138gals 70% b# 20/40 Brown Sand. DSCF.		
akota w/ .3 SPF @ 822 SPF @ 810 K Total Ho	34" diam. 24'- 8272' = 08'- 8200' = bles = 52	24 Holes 28 Holes	N RODUCTIO	ON METHOD (FA				Acidiz Qualit Pump	ze w/ 10bbls 1 ty N2 Slick/Fo	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 	w/ 138,138gals 70% b# 20/40 Brown Sand. DSCF.		
akota w/ .3 SPF @ 822 SPF @ 810 K Total Ho 33 ATE FIRST PR 08/1	34" diam. 24'- 8272' = 08'- 8200' = oles = 52 RODUCTION 11/11 GRC	24 Holes 28 Holes	N RODUCTIO FLOW	ON METHOD (FA	lowing, gas lift, pu	ımping—si.	ze and type of pum	Acidiz Qualit Pump	ze w/ 10bbls 1 ty N2 Slick/Fo led 126bbls fli	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 WELL STATUS SI	w/ 138,138gals 70% b# 20/40 Brown Sand. DSCF.		
akota w/ .3 SPF @ 822 SPF @ 810 K Total Ho 33 ATE FIRST PR 08/1	34" diam. 24'- 8272' = 08'- 8200' = oles = 52 RODUCTION 11/11 GRC	24 Holes 28 Holes	N RODUCTIO FLOW	ON METHOD (FIL /ING HOKE SIZE	owing, gas lift, pu		ze and type of pum	Acidiz Qualit Pump	ze w/ 10bbls 1 ty N2 Slick/Fo led 126bbls fli	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 	w/ 138,138gals 70% b# 20/40 Brown Sand. DSCF.		
akota w/ .3 SPF @ 822 SPF @ 810 K Total Ho 33 ATE FIRST PR 08/1	34" diam. 24'- 8272' = 08'- 8200' = oles = 52 RODUCTION 11/11 GRC	24 Holes 28 Holes PRODUCTIO PRODUCTION PROD	N RODUCTIO FLOW	ON METHOD (FIL /ING HOKE SIZE	lowing, gas lift, pu	olLBi	8272' ze and type of pum BL	Acidiz Qualit Pump	ze w/ 10bbls 1 ty N2 Slick/Fo ed 126bbls fl	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 well status SI water-BBL	w/ 138,138gals 70% b# 20/40 Brown Sand. DSCF.		
akota w/ .3 SPF @ 822 SPF @ 810 K Total Ho 33 ATE FIRST PR 08/1	34" diam. 24'- 8272' = 08'- 8200' = bles = 52 RODUCTION 11/11 GRC	24 Holes 28 Holes	N RODUCTION FLOW CH	ON METHOD (FING) HOKE SIZE 1/2" ALCULATED	owing, gas lift, pu	olLBi	ze and type of pum	Acidiz Qualit Pump	ze w/ 10bbls 1 ty N2 Slick/Fo led 126bbls fli	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 WELL STATUS SI WATER-BBL 0 / bwph	y/ 138,138gals 70% 0# 20/40 Brown Sand. 0SCF. Groducing.or, shut in 24 23		
akota w/ .3 SPF @ 822 SPF @ 810 K Total Ho B TOTAL FIRST PR 08/1 TE OF TEST 08/15 OW TUBING	34" diam. 24'- 8272' = 08'- 8200' = 0les = 52 RODUCTION 11/11 GRC	24 Holes 28 Holes PRODUCTION PRO	N PLOW CH	ON METHOD (FR	PRODIN FOR TEST PERIOD	OILBI	ze and type of pum BL Ce / boph GAS-MCF	Acidiz Qualit Pump	ve w/ 10bbls 1 by N2 Slick/Fo ed 126bbls flo wcf mcf water-BBI	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 WELL STATUS SI WATER-BBL 0 / bwph	ovi 138,138gals 70% off 20/40 Brown Sand. oscr. oscr.		
Akota W/ .3 SPF @ 822 SPF @ 810 K Total Ho STEFIRST PR 08/1 STE OF TEST 08/15 OW TUBING SI-610	34" diam. 24'- 8272' = 08'- 8200' = 0les = 52 RODUCTION 11/11 GRC 5/11 PRESS	24 Holes 28 Holes PRODUCTIO PRODUCTION HOURS TESTED 1hr. CASING PRESS SI-531ps	N RODUCTION CHARACTER CA	ON METHOD (FINAL PARTIES OF THE PART	owing, gas lift, pu PROD'N FOR TEST PERIOD	OILBI	ze and type of pum BL ce / boph	Acidiz Qualit Pump	ve w/ 10bbls 1 by N2 Slick/Fo ed 126bbls flo wcf mcf water-BBI	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 WELL STATUS SI WATER-BBL 0 / bwph	ovi 138,138gals 70% off 20/40 Brown Sand. oscr. oscr.		
Akota W/ .3 SPF @ 822 SPF @ 810 K Total Ho STEFIRST PR 08/1 STE OF TEST 08/15 OW TUBING SI-610	34" diam. 24'- 8272' = 08'- 8200' = 0les = 52 RODUCTION 11/11 GRC 5/11 PRESS	24 Holes 28 Holes PRODUCTION PRO	N FLOW CH JRE CA 24 	ON METHOD (FINAL PARTIES OF THE PART	PRODIN FOR TEST PERIOD	OILBI	ze and type of pum BL Ce / boph GAS-MCF	Acidiz Qualit Pump	ve w/ 10bbls 1 by N2 Slick/Fo ed 126bbls flo wcf mcf water-BBI	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 WELL STATUS SI WATER-BBL 0 / bwph	ovi 138,138gals 70% off 20/40 Brown Sand. oscr. oscr.		
akota w/ .3 SPF @ 822 SPF @ 810 K Total Ho 3 ATE FIRST PR 08/15 OW TUBING SI-610 A DISPOSITI	34" diam. 24'- 8272' = 08'- 8200' = 0les = 52 RODUCTION 11/11 GRC 5/11 PRESS 6psi ION OF GAS (24 Holes 28 Holes PRODUCTION PRODUCTION PRODUCTION PRODUCTION PRODUCTION Thr. CASING PRESS SI-531p: Sold, used for fue. Toj be sol	N FLOW CH JRE CA 24 	ON METHOD (FINAL PARTIES OF THE PART	PRODIN FOR TEST PERIOD	OILBI	ze and type of pum BL Ce / boph GAS-MCF	Acidiz Qualit Pump	ve w/ 10bbls 1 by N2 Slick/Fo ed 126bbls flo wcf mcf water-BBI	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 WELL STATUS SI WATER-BBL	W/ 138,138gals 70% D# 20/40 Brown Sand. DSCF. G(Producing of shufting) 24 25 GAS; OIL RAHO GAS; OIL GRAVITY (ACORC) OIL CONC. DIV. DIST		
9 Akota W/ .3 SPF @ 822 SPF @ 810 9 K Total Ho 33 ATE FIRST PR 98/15 OW TUBING SI-610 34 DISPOSITI	34" diam. 24'- 8272' = 08'- 8200' = 0les = 52 RODUCTION 11/11 GRC 5/11 PRESS 6psi ION OF GAS (TTACHMENTS	24 Holes 28 Holes PRODUCTION PRODUCTION PRODUCTION PRODUCTION Thr. CASING PRESS SI-531p: Sold, used for fue. To be sol	N CODUCTION CHARACTER CASE CASE CASE CASE CASE CASE CASE CASE	ON METHOD (FIGURE SIZE IN THE INTERIOR SIZE IN THE	PROD'N FOR TEST PERIOD OILBBL trace / bo	OILBi	ze and type of pum BL Ce / boph GAS-MCF 2,286 mc	Acidiz Qualit Pump GAS-I 9:	ve w/ 10bbls 1 by N2 Slick/Fo ed 126bbls flo wcf mcf water-BBI	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 WELL STATUS SI WATER-BBL 0 / bwph	W/ 138,138gals 70% D# 20/40 Brown Sand. DSCF. G(Producing of shufting) 24 25 GAS; OIL RAHO GAS; OIL GRAVITY (ACORC) OIL CONC. DIV. DIST		
Dakota W/ .3 SPF @ 822 SPF @ 810 DK Total Ho 33 ATE FIRST PR 08/15 ATE OF TEST 08/15 ATE DISPOSITI	34" diam. 24'- 8272' = 28'- 8200' = 20les = 52 20DUCTION 11/11 GRC 5/11 PRESS 6psi ION OF GAS (TTACHMENTS	24 Holes 28 Holes PRODUCTIC PRODUCTIC PRODUCTIC PRODUCTIC PRODUCTIC PRODUCTIC Thr. CASING PRESS SI-531ps Sold, used for fue To be sol	N RODUCTIK FLOW CH URE CA 24: Si vented, 6	ON METHOD (FA	owing, gas lift, pu PRODIN FOR TEST PERIOD OIL-BBL trace / bo	OILBi	ze and type of pum BL Ce / boph GAS-MCF	Acidiz Qualit Pump GAS-1 9:	ve w/ 10bbls 1 by N2 Slick/Fo ed 126bbls flo wcf mcf water-BBI	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 WELL STATUS SI WATER-BBL 0 / bwph	W/ 138,138gals 70% D# 20/40 Brown Sand. DSCF. G(Producing of shufting) 24 25 GAS; OIL RAHO GAS; OIL GRAVITY (ACORC) OIL CONC. DIV. DIST		
Dakota W/ .3 SPF @ 822 SPF @ 810 DK Total Ho 33 ATE FIRST PR 08/15 ATE OF TEST 08/15 ATE DISPOSITI	34" diam. 24'- 8272' = 28'- 8200' = 20les = 52 20DUCTION 11/11 GRC 5/11 PRESS 6psi ION OF GAS (TTACHMENTS	24 Holes 28 Holes PRODUCTIC PRODUCTIC PRODUCTIC PRODUCTIC PRODUCTIC PRODUCTIC Thr. CASING PRESS SI-531ps Sold, used for fue To be sol	N RODUCTIK FLOW CH URE CA 24: Si vented, 6	ON METHOD (FA	owing, gas lift, pu PRODIN FOR TEST PERIOD OIL-BBL trace / bo	OILBi	ze and type of purn BL Ce / boph GAS-MCF 2,286 mc	Acidiz Qualit Pump GAS-1 9:	ve w/ 10bbls 1 by N2 Slick/Fo ed 126bbls flo wcf mcf water-BBI	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 WELL STATUS SI WATER-BBL 0 / bwph	ovi 138,138gals 70% off 20/40 Brown Sand. oscr. oscr.		
akota w/ .3 SPF @ 822 SPF @ 810 K Total Ho 33 ATE FIRST PR 08/1 ATE OF TEST 08/15 OW TUBING SI-610 34 DISPOSITI	34" diam. 24'- 8272' = 28'- 8200' = 20les = 52 20DUCTION 11/11 GRC 5/11 PRESS 6psi ION OF GAS (TTACHMENTS	24 Holes 28 Holes PRODUCTIC PRODUCTIC PRODUCTIC PRODUCTIC PRODUCTIC PRODUCTIC Thr. CASING PRESS SI-531ps Sold, used for fue To be sol	N RODUCTIK FLOW CH URE CA 24: Si vented, 6	ON METHOD (FA	OIL-BBL trace / bo led well undo	OILBi	ze and type of purn BL Ce / boph GAS-MCF 2,286 mc	Acidiz Qualit Pump GASI Grace Gr	w V 10bbls 1 by N2 Slick/Fo ed 126bbls fli WCF 5 mcf / h WATER-BBI 0	5% HCL. Frac'd v am pad w/ 40,100 ush. N2:2,117,400 WELL STATUS SI WATER-BBL 0 / bwph	W/ 138,138gals 70% D# 20/40 Brown Sand. DSCF. G(Producing of shufting) 24 25 GAS; OIL RAHO GAS; OIL GRAVITY (ACORC) OIL CONC. DIV. DIST		

United States any false, fictuitions or fraudulent statements or representations as to any matter within its jurisdiction.

ACCEPTED FOR RECORD

AUG 2 4 2011

FARMINGTON FIELD OFFICE BY



API # 30-039-31000			San Juan 29-7 Unit 86N			
Ojo Alamo	2804'	3010'	White, cr-gr ss.	7	Ojo Alamo	2804'
Kirtland	3010'	3512'	Gry sh interbedded w/tight, gry, fine-gr ss.		Kirtland	3010'
Fruitland	3512		Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.		Fruitland	3512'
Pictured Cliffs ;	3840'	4018'	Bn-Gry, fine grn, tight ss.		Pic.Cliffs	3840'
Lewis	4018'	4530'	Shale w/siltstone stringers		Lewis	4018'
Huerfanito Bentonițe	4530'	4797'	White, waxy chalky bentonite		Huerfanito Bent.	4530'
Chacra !	4797'	5352'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	,	Chacra	4797'
Mesa Verde	5352'	5658'	Light gry, med-fine gr ss, carb sh & coal	:	Mesa Verde	5352'
Menefee ,	5658'	6004'	Med-dark gry, fine gr ss, carb sh & coal		Menefee	5658'
Point Lookout	6004'	6398'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation		Point Lookout	6004'
Mancos	6398'	7258'	Dark gry carb sh.		Mancos	6398'
Gallup	7258'	7996'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	-	Gallup	7258'
Greenhorn	7996'	8053'	Highly calc gry sh w/thin lmst.		Greenhorn	7996'
Graneros	8053'	8102'	Dk gry shale, fossil & carb w/pyrite incl.		Graneros	8053'
Dakota :	8102'	8284'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks		Dakota	8102'



UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other in-structions on reverse side)

FOR APPROVED

Expires December 31, 1991
5 LEASE DESIGNATION AND SERIAL NO

SF-078423

WELL C	OMPLE	TION	OR R	ECOMPL	ETION	REP(ORT AND	LOG*	6 IF I	NDIAN, ALLOTTE	E OR TRIBE NAME	_	
1a TYPE OF WELL OIL GAS WELL X DRY Other									אען	11247	84174-		
b TYPE OF COMPLETION										7. UNIT AGREEMENT NAME SAN JUAN 29-7 UNIT			
- TIPLOF	NEW X	WORK	DEEP-	PLUG	DIFF	Other			8 FA	RM OR LEASE NA			
	WELL /	OVER	EN L	BACK	RESVR					SAN JUAN	29-7 UNIT 86N		
	F OPERATO								9 AP	I WELL NO.		_ -	
	urlington I S AND TELE			Gas Comp	any	··· ·			10 FI	30-0 ELD AND POOL,	39-31000 - OO C	<u>~</u>	
	BOX 4289			87499 (5	05) 326-9	700			" '		MESAVERDE		
4 LOCATIO	N OF WELL	(Report local	tion clea	rly and in accord	lance with an	y State re	quirements)*				R BLOCK AND SURVEY	_	
At surface	е В (NW/NE), 4	80' FNL	_ & 2075' FEL						R AREA			
At top pro	od interval re	norted below	,	C (NE/NW), 6	17' FNI &	2033' FV	VI			Sec. 17	, T29N, R7W		
				•							,		
At total de	epth C (NE/NW), 6	17' FNL	_ & 2033' FWL	=								
					14 PERMIT	NO	DATE ISSUE	D		OUNTY OR	13 STATE	_	
									1	PARISH io Arriba	New Mexico		
15 DATE SPU		DATE T D R		17 DATE O	COMPL (Read		1	18 ELEVATIONS (DF, F	RKB, RT, E	BR, ETC)*	19 ELEV CASINGHEAD	******	
04/02/	11 PTH, MD &TVI	04/15		ACK T D , MD &TVI		/11 GRO		GL 6773 23 INTERVALS		788' Y TOOLS	CARLETOOLS		
ZU. TOTAL DE	.r≀⊓, wiD & IVL	, ²¹	PLUG, BA	AUN IU, MUSIVI	22 IF M	HOW N		DRILLED BY	KUIAR	1 IOOLS	CABLE TOOLS		
	84' / 7988' \			280' / 7984' VD		AND TUDY	!	<u> </u>		yes 25 WAS DIREC	TIONAL	<u>—</u>	
24, PRODUCT	ION INTERVAL	(S) OF THIS	COMPLET	ION-TOP, BOTTO	M, NAME (MD	AND IVD)				25 WAS DIREC SURVEY MA			
	Mesaver								107 14/11	S WELL CORED	YES	_	
	CL/CBL	HER LOGS R	UN						27 WA	S WELL CORED	No		
28	<u> </u>				CASING I	RECORD	Report all strings	s set in well \				-	
CASING SIZ		WEIGHT, LI		DEPTH SET (N	AD) HO	LE SIZE		MENT, CEMENTING REC	ORD	A	MOUNT PULLED	<u> </u>	
9 5/8" /	/ H-40	32.3	#	235'	12	1/4"	Surface,	110sx(169cf-44bb	ls)		1bbls		
7" / J	J-55	23#	<u>. </u>	4176'	8	3/4"	Surface !	ST @ 3330' 550sx(1132cf-204b	his)		58bbls		
4 1/2" /		11.6	#	8282'		1/4"		3', 302sx(608cf-108				_	
29	TOD (MD)		NER RE		rrt Con	EN (MD)	30	DEDTUCE		BING RECOR		<u> </u>	
SIZE	TOP (MD)	BOTTON	VI (IVID)	SACKS CEMEN	NI" SCRI	EEN (MD)	2 3/8"	DEPTH SET		Р.	ACKER SET (MD)	_	
							İ	4.7# / L-80		İ		<u> </u>	
31 PERFORA	TION RECORD			er)	32	5816'-		D, SHOT, FRACTURE			ETC / 125,916gals 70%		
1SPF @ 581							·	Quality N2 Slick/F			. •		
UMF / Cliffh								Pumped 93bbls fl	ush. N	2:1,490,400S	CF.		
1SPF @ 535 Lewis w/ .34		25 Holes				5354'-	5788'	1			/ 124,768gals 70%	_	
1SPF @ 482		22 Holes						Quality N2 Slick/F Pumped 84bbls fl		•			
MV Total Ho	oles = 72				-	10001	WO 401	<u>'</u>					
						4822'-	5248	Frac'd w/ 129,158	~	•	sco Elastic/Foam w/		
								38,100SCF N2 for		•			
33	CD LOTICAL	PRODUC		TION METHOD VE	(2)		ize and type of pump		•	IMEL OTATIO	Producing or shut-in)		
DATE FIRST PR 08/1	11/11 GRC			WING	iowing, gas iii,	pumpings.	ize and type or pump	۲)		SI	Producing or snut-in)	24.2526272830 A ECEIVED	
DATE OF TEST		HOURS TEST	rED	CHOKE SIZE	PROD'N FOR TEST PERIO		BBL	GAS-MCF	WATE	RBBL	GAS-OIL RATIO	— 🍦 🔏 🔏	
08/1	5/11	1hr		1/2"			ace / boph	35 mcf / h	tra	ce / bwph	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
FLOW TUBING		CASING PRE		CALCULATED	OILBBL	1 210	GAS-MCF	WATER-E		Бирп	OIL GRAVITY API (CORR		
SI-61	6nci	SI-531	Inci	24-HOUR RATE	trace /	hond	846 mcf		1 / bwr	nd	8 19	AUG 2011	
	TON OF GAS (S			d, etc)	l Hace/	noha	1 040 11101	, u	i i bwl	TEST WITNESS			
-05-110	TT 4 (C) (2 4	To be	old	1						L	ED BY ED BY	CONS. DIV. DIST. 3	
-35~LIST OF A		1	sin Dak	ota commine	led well u	nder DHO	C order 3519A	7			ESP.	, do	
	ertify that the fo						d from all available				- X	STITOP 88 702	
11	11 PM	la V	11	V //								2011010	
SIGNED	111/	// <u>/</u> //		TIT	LE	Staf	Regulatory T	echnicain	DATE		08/15/11	RECORD	
V	1	1						Data on Revers			ACCEL LED I	SH NEOCHD	
								e to any departmen		ncy of the		. 0044	
onited State	s any raise,	ijcutious ø	ııaudu	ieni statement	s or repres	entations	as to any mat	ter within its jurisdic	uon		AUG 2	4 2011	
											TADBAINIOTON	FIELD OFFICE	
			-				4	-			BY SCY		
							7/				DI OU		

API # 30-039-31000		San Juan 29-7 Unit 86N		
Ojo Alamo	2804'	3010' White, cr-gr ss.	Ojo Alamo	2804'
Kirtland	3010'	3512' Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	3010'
Fruitland '	3512'	3840' Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3512'
Pictured Cliffs	3840'	4018' Bn-Gry, fine grn, tight ss.	Pic.Cliffs	3840'
Lewis	4018'	4530' Shale w/siltstone stringers	Lewis	4018'
Huerfanito Bentonite	4530'	4797' White, waxy chalky bentonite	Huerfanito Bent.	4530'
Chacra	4797'	5352' Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	4797'
Mesa Verde	5352'	5658' Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5352'
Menefee	5658'	6004' Med-dark gry, fine gr ss, carb sh & coal	Menefee	5658'
Point Lookout	6004'	6398' Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	6004'
Mancos	6398'	7258' Dark gry carb sh.	Mancos	6398
Gallup	7258'	7996' Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	7258'
Greenhorn	7996'	8053' Highly calc gry sh w/thin lmst.	Greenhorn	7996'
Graneros	8053'	8102' Dk gry shale, fossil & carb w/pyrite incl.	Graneros	8053'
Dakota	8102'	8284' Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	8102'

