## **UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT**

Form 3160-4 (October 1990)		UNITED S ARTMENT OF UREAU OF LAND	THE INTERI		SUBMIT	(See other Instructions on reverse side)	OMB N Expires [ 5 LEASE DESIGNATION	10-9% 3			
WELL COMPLI	TION OR R	ECOMPLE	TION REPO	DRT AND	100	*	6 IF INDIAN, ALLOTT	-080672(			
1a TYPE OF WELL	OIL	GAS V	DRY Other	JKI AND	LOC	,	NM3F-	20172			
b TYPE OF COMPLETM	WELL   ON	WELL A	DIFF				7 UNIT AGREEMENT NAME SAN JUAN 27-4 UNIT 8 FARM OR LEASE NAME, WELL NO				
WELL	RESVROther				SAN JUAN 27-4 UNIT 109M 9 API WELL NO						
2 NAME OF OPERATOR  Burlington Resources Oil & Gas Company								39-30449-00C1			
3 ADDRESS AND TELE PO BOX 4289 4 LOCATION OF WELL	, Farmington, NN		326-9700	**************************************			10 FIELD AND POOL, OR WILDCAT  BASIN DAKOTA  11 SEC, T, R, M, OR BLOCK AND SURVEY				
	NW/SE), 2495' FS	•	e wiiii ariy State req	juirements)			OR AREA	R BLOCK AND SURVET			
At top prod. interval re	ported below	H (SE/NE), 2240 L & 985' FEL	' FNL & 985' FEL	-			Sec. 23	, T27N, R4W			
·	· ••		PERMIT NO.	DATE ISSUE			12 COUNTY OR	I 13 STATE			
		14.	PERMIT NO.	DATE 1550E	ΞU		PARISH  Rio Arriba	New Mexico			
	DATE T D REACHED	17 DATE COM	PL (Ready to prod )		18 ELE		(B, RT, BR, ETC)*	19 ELEV CASINGHEAD			
06/29/11 20 TOTAL DEPTH, MD &TV	08/06/11 D  21 PLUG, B	ACK T.D., MD &TVD	10/14/11 GRC		23 INT	GL 6961' ERVALS	ROTARY TOOLS	CABLE TOOLS			
MD 8556' / 8263' \	(D MD 84	520' / 8227' VD	HOW M		DR	RILLED BY	ves	1			
24 PRODUCTION INTERVA					<u> </u>		25 WAS DIREC				
Basin Dakota 83	842' - 8494'						SURVEY N	ADE YES			
26 TYPE ELECTRIC AND O GR/CCL/CBL							27 WAS WELL CORED				
28		Ċ	ASING RECORD (	Report all string	s set in v	vell)					
CASING SIZE/GRADE 9 5/8" / H-40	WEIGHT, LB /FT 32.3#	DEPTH SET (MD)	HOLE SIZE			MENTING RECO		MOUNT PULLED  4bbis			
0 0/0 / 11-40	02.0#		12.174	Carrace	ST @	<u> </u>	,	10010			
7" / J-55 4 1/2" / L-80	23# 11.6#	5209' 8541'	8 3/4" 6 1/4"			1721cf-305bb		60bbls			
29	LINER RE		0 1/4	30	0,2378	5X(470C1-033D	TUBING RECOR	D			
SIZE TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE		DEPTH SET (	MD) F	ACKER SET (MD)			
				2 3/8"		8444' L-80					
31 PERFORATION RECOR	D (Interval, size and num	nber)	32		<del></del>	<del></del> _	CEMENT SQUEEZE				
Dakota w/ .34" diam. 2SPF @ 8440' - 8494' = 1SPF @ 8342' - 8428' = DK Total Holes = 47			8342'-	8494	Quali		N2 Foam w/ 41,32 SCF.	1 w/ 2,896bbls 70% 6# 20/40 Arizona Sand. RCVD NOV 15 '11			
33	PRODUCTION	CTION METHOD (Flowing	ng gas lift numbing o	ize and tune of cor	70)		WELL STATUS	(Producing or shut in V			
DATE FIRST PRODUCTION 10/14/11 GRC		WING	чу, уаз тт, ритриgS	ıze ани туре от риг	ן קוז		SI	(Producing-or-shut-in)			
DATE OF TEST	HOURS TESTED		DD'N FOR OILB	BBL	GAS	MCF	WATERBBL	GAS-OIL RATIO			
10/19/11 FLOW TUBING PRESS	1hr.	1/2"	_	/a / boph	2	1 mcf / h WATERBB	1 / bwph	FSECT O			
SI-1243psi	SI-1020psi	24-HOUR RATE	n/a / bopd	514 mc	<sub>f/ cl</sub>	24	/ bwpd				
34 DISPOSITION OF GAS (		d, etc )	пи г вора	014 1110	, u		TEST WITNESS	SED BY			
35 LIST OF ATTACHMENTS	To be sold	$ \wedge$									
This is a Blanco Mesa  36 Thereby certify that the fo	verde / Basin Dak										
SIGNED	MM	M		aff Regulator		·	DATE	11/01/11			
Title 18 U.S.C. Section United States any false.	1001, makes it a		n knowingly and v	willfully to mak	e to an	y department (	of agency of the	NOV 0 9 2011			
			MM	OCD			FARM	INGTON FIELD OFFICE			

API # 30-039-30449		1	SAN JUAN 27-4 UNIT 109M		
Ojo Alamo	3418'	3638'	White, cr-gr ss.	Ojo Alamo	3418'
Kirtland	3638'	3,892'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	3638'
Fruitland	3892'	4060'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3892'
Pictured Cliffs	4060'	4232'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	4060'
Lewis	4232'	4616'	Shale w/siltstone stringers	Lewis	4232'
Huerfanito Bentonite	4616'	5069'	White, waxy chalky bentonite	Huerfanito Bent.	4616'
Chacra	5069'	5692'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	5069'
Mesa Verde	5692'	5953'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	5692'
Menefee	5953'	6244'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5953'
Point Lookout	6244'	6797'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	6244'
Mancos	6797'	7421'	Dark gry carb sh.	Mancos	6797'
Gallup	7421'	8230'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh	Gallup	7421'
Greenhorn	8230'		Highly calc gry sh w/thin lmst.	Greenhorn	8230'
Graneros	8295'	8339'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	8295'
Dakota	8339'	8556'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks	Dakota	8339'



Form 3160-4

## **UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT**

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

	FOR APPROVED
	OMB NO 3100420137
	Expires December 31/1991
5	LEASE DESIGNATION AND SERIAL NO
	SF-080672 ( O. ) A.

	ETION OR F							
1a TYPE OF WELL	OIL WELL	GAS WELL X	DRY Other			NN	INM-	78408# <sub>7</sub>
b TYPE OF COMPLET						7 UNI	TAGREEMENT	NAME
NEW Y	WORK DEEP-	PLUG	DIFF			8 545	SAN JUA RM OR LEASE NA	AN 27-4 UNIT
WELL	OVER EN	BACK	RESVR Other					
·							WELL NO	27-4 UNIT 109M
NAME OF OPERATO		0 Caa Camaan				9 API		20 20440-000
ADDRESS AND TEL	Resources Oil	& Gas Compan	<u>/</u>			10 FI	ELD AND POOL,	39-30449 - COCA
	39, Farmington, NA	4.87499 (505)	326-9700			10 11.		MESAVERDE
LOCATION OF WEL				uirements)*		11 SE		R BLOCK AND SURVEY
At surface J	(NW/SE), 2495' FS	SL & 2455' FEL				0	R AREA	
	, , , , , , , , , , , , , , , , , , , ,							
At top prod interval	eported below	H (SE/NE), 2240	' FNL & 985' FEI	L			Sec. 23	, T27N, R4W
A	(CE/NE) 00401 FA							
At total depth H	(SE/NE), 2240' FN	IL & 985. FEL						
		14.	PERMIT NO	DATE ISSUE	D		DUNTY OR	13 STATE
							PARISH	New Mexico
5 DATE SPUDDED 16	DATE T.D. REACHED	I17 DATE COM	IPL (Ready to prod )	l	18 ELEVATIONS		o Arriba	19 ELEV CASINGHEAD
06/29/11	08/06/11		10/12/11 GRO	:		6961' KB 6		10 LEEV CACINOTICAD
TOTAL DEPTH, MD &T		BACK T.D , MD &TVD	22 IF MULTIPLE CO	MPL.,	23 INTERVALS	ROTARY	/ TOOLS	CABLE TOOLS
			HOW M		DRILLED BY			1
MD 8556' / 8263' PRODUCTION INTERV		520' / 8227' VD	AME (MD AND TVD)*		<u> </u>		yes 25 WAS DIREC	TIONAL
FRODUCTION INTERV	AL (3) OF THIS COMPLE	TION-TOP, BOTTOM, N	AME (MD AND TVD)				SURVEY M.	
	erde 5704' - 6564	†						YES
GR/CCL/CBL	OTHER LOGS RUN					27 WAS	WELL CORED	No
3		C	ASING RECORD (	Report all strings	set in well)			
CASING SIZE/GRADE	WEIGHT, LB /FT	DEPTH SET (MD)	HOLE SIZE		MENT, CEMENTING		A	MOUNT PULLED
9 5/8" / H-40	32.3#	234'	12 1/4"	Surface	, 76sx(122cf-2	22bbls)		4bbls
		I		1	ST @ 3738',			
7" / 155	22#	E200'	0 2//"	C. men and	14404/472405	205661-1		CObble
7" / J-55 4 1/2" / L-80	23#	5209' 8541'	8 3/4"		344sx(1721cf-			60bbls
4 1/2" / L-80	23# 11.6# LINER RE	8541'	8 3/4" 6 1/4"		344sx(1721cf- ', 237sx(478c	f-895bbls)	BING RECORI	
4 1/2" / L-80	11.6# LINER RE	8541'		TOC@4875	', 237sx(478c	f-895bbls)	···	
4 1/2" / L-80	11.6# LINER RE	<b>8541'</b> CORD	6 1/4"	TOC@4875 30	, 237sx(478c	<b>f-895bbls)</b> ⊤∪	···	D
4 1/2" / L-80	11.6# LINER RE BOTTOM (MD)	8541' ECORD SACKS CEMENT*	6 1/4"  SCREEN (MD)	TOC@4875 30 SIZE 2 3/8"	DEPT	f-895bbls) TU TH SET (MD) 8444'	P	D ACKER SET (MD)
4 1/2" / L-80  SIZE TOP (ME  PERFORATION RECO	11.6# LINER RE BOTTOM (MD)  BO (Interval, size and num	8541' ECORD SACKS CEMENT*	6 1/4"  SCREEN (MD)  32	TOC@4875 30 SIZE 2 3/8" ACI	DEPT 4.7# / L-80 D, SHOT, FRACE	f-895bbls) TU TH SET (MD) 8444' CTURE, CEMEN	P. NT SQUEEZE,	D ACKER SET (MD) ETC.
4 1/2" / L-80  SIZE TOP (ME  PERFORATION RECO	LINER RE BOTTOM (MD)  BOTTOM (MD)  RD (Interval, size and num VI .34" diam.	8541' ECORD SACKS CEMENT*	6 1/4"  SCREEN (MD)	TOC@4875 30 SIZE 2 3/8" ACI	DEPT  4.7# / L-80  D, SHOT, FRACE  Acidize w/ 10	TUTH SET (MD)  STURE, CEMEN  Dobls. Frac'd	P. NT SQUEEZE, I w/ 2,749bb	D ACKER SET (MD) ETC. Is 70% Quality
4 1/2" / L-80  SIZE TOP (ME  PERFORATION RECO  SITE TOP (ME  PERFORATION RECO  SITE ON TOP (ME  PERFORATION RECO  SITE OF (ME  PERFORATION RECO  PERFORATION RECO  SITE OF (ME  PERFORATIO	11.6# LINER RE BOTTOM (MD)  RD (Interval, size and num V/ .34" diam. = 25 Holes	8541' ECORD SACKS CEMENT*	6 1/4"  SCREEN (MD)  32	TOC@4875 30 SIZE 2 3/8" ACI	DEPT  4.7# / L-80  D, SHOT, FRACE  Acidize w/ 10	TURE, CEMEN Dbbls. Frac'd oam w/ 40,2	P. NT SQUEEZE, I w/ 2,749bb	D ACKER SET (MD) ETC.
4 1/2" / L-80 9 SIZE TOP (ME PERFORATION RECO Dint Lookout/LMF v SPF @ 6210'- 6564' MF / Cliffhouse w/	11.6# LINER RE BOTTOM (MD)  RD (Interval, size and num V/ .34" diam. = 25 Holes 34" diam.	8541' ECORD SACKS CEMENT*	6 1/4"  SCREEN (MD)  32  6210'-	TOC@4875 30 SIZE 2 3/8" ACI	4.7# / L-80 D, SHOT, FRACE Acidize w/ 10 Slickwater F N2:1,361,000	TURE, CEMEN Dobls. Frac'd oam w/ 40,2'	P. NT SQUEEZE, I w/ 2,749bb/ 74# 20/40 Br	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total
4 1/2" / L-80 9 SIZE TOP (ME PERFORATION RECO Dint Lookout/LMF v SPF @ 6210'- 6564' MF / Cliffhouse w/	11.6# LINER RE BOTTOM (MD)  RD (Interval, size and num V/ .34" diam. = 25 Holes 34" diam.	8541' ECORD SACKS CEMENT*	6 1/4"  SCREEN (MD)  32	TOC@4875 30 SIZE 2 3/8" ACI	4.7# / L-80 D, SHOT, FRACE Acidize w/ 10 Slickwater F N2:1,361,000 Acidize w/ 10	TUH SET (MD) 8444'  CTURE, CEMEN Obbls, Frac'd Oam w/ 40,2' OSCF. Obbls, Frac'd	P NT SQUEEZE, I w/ 2,749bb/ 74# 20/40 Br	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total Is 70% Quality
PERFORATION RECOINT LOOKOUT/LMF with Color of Co	11.6# LINER RE BOTTOM (MD)  RD (Interval, size and num V/ .34" diam. = 25 Holes 34" diam.	8541' ECORD SACKS CEMENT*	6 1/4"  SCREEN (MD)  32  6210'-	TOC@4875 30 SIZE 2 3/8" ACI	4.7# / L-80 D, SHOT, FRACE Acidize w/ 10 Slickwater F N2:1,361,000 Acidize w/ 10	respective for the service of the service for	P NT SQUEEZE, I w/ 2,749bb/ 74# 20/40 Br	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total
9 SIZE TOP (ME PERFORATION RECOIDING LOOKOUT/LMF v SPF @ 6210'- 6564' MF / Cliffhouse w/.: SPF @ 5704' - 6094 V Total Holes = 50	11.6# LINER RE BOTTOM (MD)  RD (Interval, size and num v/ .34" diam. = 25 Holes 34" diam. = 25 Holes	8541' ECORD SACKS CEMENT*	6 1/4"  SCREEN (MD)  32  6210'-	TOC@4875 30 SIZE 2 3/8" ACI	4.7# / L-80 D, SHOT, FRACE Acidize w/ 10 Slickwater F N2:1,361,000 Acidize w/ 10 Slickwater fo	respective for the service of the service for	P NT SQUEEZE, I w/ 2,749bb/ 74# 20/40 Br	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total Is 70% Quality
PERFORATION RECOIDING LOOKOUT/LMF vs. PF @ 6210'- 6564' MF / Cliffhouse w/ SPF @ 5704' - 6094 V Total Holes = 50	LINER RE BOTTOM (MD)  BOTTOM (MD)  RD (Interval, size and num  VI .34" diam.  = 25 Holes 34" diam.  = 25 Holes	8541' ECORD SACKS CEMENT*	6 1/4"  SCREEN (MD)  32  6210'-  5704'-	TOC@4875 30 SIZE 2 3/8" ACI 6564'	4.7# / L-80  D. SHOT, FRACE Acidize w/ 10 Slickwater fr N2:1,361,000 Acidize w/ 10 Slickwater fo N2:1,154,700	TURE, CEMEN Dbbls, Frac'd Oam w/ 40,2' OSCF. Dbbls, Frac'c Oam w/ 36,37	P NT SQUEEZE, I w/ 2,749bb 74# 20/40 Br I w/ 2,439bb 14# 20/40 Br	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total Is 70% Quality
PERFORATION RECOIDING LOOKOUT/LMF vs. PF @ 6210'- 6564' MF / Cliffhouse w/ SPF @ 5704' - 6094 V Total Holes = 50	LINER RE D (Interval, size and num V/ .34" diam. = 25 Holes  PRODUCTION PRODUCTION PRODUCTION	8541' ECORD SACKS CEMENT*	6 1/4"  SCREEN (MD)  32  6210'-  5704'-	TOC@4875 30 SIZE 2 3/8" ACI 6564'	4.7# / L-80  D. SHOT, FRACE Acidize w/ 10 Slickwater fr N2:1,361,000 Acidize w/ 10 Slickwater fo N2:1,154,700	TURE, CEMEN Dbbls, Frac'd Oam w/ 40,2' OSCF. Dbbls, Frac'c Oam w/ 36,37	P NT SQUEEZE, I w/ 2,749bb 74# 20/40 Br I w/ 2,439bb 14# 20/40 Br	ETC. Is 70% Quality rady Sand. Total Is 70% Quality
## 4 1/2" / L-80  ## SIZE TOP (MC  PERFORATION RECO  Dint Lookout/LMF v  PF @ 6210'- 6564'  ## / Cliffhouse w/.  ## 5704' - 6094  ## V Total Holes = 50  ## Total First PRODUCTION  10/12/11 GR	LINER RE D (Interval, size and num V/ .34" diam. = 25 Holes  PRODUCTION PRODUCTION PRODUCTION	8541' ECORD SACKS CEMENT'  ber)  CTION METHOD (Flowin)  DWING  CHOKE SIZE PR	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  DD'N FOR OILB	TOC@4875 30 SIZE 2 3/8" ACI 6564' 6094'	4.7# / L-80  D. SHOT. FRACE Acidize w/ 10 Slickwater F N2:1,361,000 Acidize w/ 10 Slickwater fo N2:1,154,700	TURE, CEMEN Dibls. Frac'd coam w/ 40,2 DSCF. Dbbls. Frac'd Dbbls. Frac'd Dbbls. Frac'd Dbbls. Frac'd DBCF.	P NT SQUEEZE, I w/ 2,749bb/74# 20/40 Br I w/ 2,439bb/1# 20/40 Br	ETC. Is 70% Quality rady Sand. Total Is 70% Quality
4 1/2" / L-80  9 SIZE TOP (ME  PERFORATION RECO) bint Lookout/LMF v SPF @ 6210'- 6564' WF / Cliffhouse w/. SPF @ 5704' - 6094 V Total Holes = 50 3 TE FIRST PRODUCTION 10/12/11 GROTE	11.6#  LINER RE  BOTTOM (MD)  RD (Interval, size and num  V/ .34" diam.  = 25 Holes  34" diam.  = 25 Holes  PRODUCTION PRODUCT  HOURS TESTED	8541' ECORD SACKS CEMENT*  Diber)  CTION METHOD (Flowing)  CHOKE SIZE PRI TEX	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  DD'N FOR OIL-B	TOC@4875 30 SIZE 2 3/8" ACI 6564' 6094'	DEPT  4.7# / L-80  D. SHOT, FRACE  Acidize w/ 10  Slickwater F N2:1,361,000  Acidize w/ 10  Slickwater fc N2:1,154,700  GASMCF	TURE, CEMEN Diblis, Frac'd oam w/ 40,2 DSCF. Dibbls, Frac'd oam w/ 36,37 DSCF.	P P P P P P P P P P P P P P P P P P P	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total Is 70% Quality ady Sand. Total
4 1/2" / L-80  9 SIZE TOP (ME  PERFORATION RECOIDING LOOKOUT/LMF v SPF @ 6210'- 6564' MF / Cliffhouse w/.: SPF @ 5704' - 6094 V Total Holes = 50  3 TE FIRST PRODUCTION 10/12/11 GROTE OF TEST	11.6#  LINER RE BOTTOM (MD)  BOTTOM (MD)  RD (Interval, size and num v/ .34" diam. = 25 Holes 34" diam. = 25 Holes  PRODUCTION PRODUCTION C FLC HOURS TESTED	8541' ECORD SACKS CEMENT'  Diber)  CTION METHOD (Flowing)  CHOKE SIZE 1/2"  PRI TES 1/2"	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  DD'N FOR OILBST PERIOD  n	TOC@4875 30 SIZE 2 3/8" ACI 6564' 6094'	4.7# / L-80 D. SHOT, FRACE Slickwater F N2:1,361,000 Acidize w/ 10 Slickwater fo N2:1,154,700	TURE, CEMEN Dibbls. Frac'd oam w/ 40,2' SCF. Dibbls. Frac'd oam w/ 36,37 DSCF.	P P SQUEEZE, I w/ 2,749bb/74# 20/40 Br I w/ 2,439bb/1# 20/40 Br I well status	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total  Is 70% Quality ady Sand. Total  (Producing or shut-in)  GAS-OIL RATIO
## 4 1/2" / L-80  ## SIZE TOP (ME  PERFORATION RECOIDED TO TO TOP (ME  PERFORATION RECOIDED TO TOP (ME  ## 10	11.6#  LINER RE  BOTTOM (MD)  RD (Interval, size and num  V/ .34" diam.  = 25 Holes  34" diam.  = 25 Holes  PRODUCTION PRODUCT  HOURS TESTED	8541' ECORD SACKS CEMENT'  Diber)  CTION METHOD (Flowing)  CHOKE SIZE 1/2"  PRITE 1/2"	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  DD'N FOR OIL-B	TOC@4875 30 SIZE 2 3/8" ACI 6564' 6094'	4.7# / L-80 D. SHOT, FRACE Slickwater F N2:1,361,000 Acidize w/ 10 Slickwater fo N2:1,154,700	TURE, CEMEN Diblis, Frac'd oam w/ 40,2 DSCF. Dibbls, Frac'd oam w/ 36,37 DSCF.	P P P P P P P P P P P P P P P P P P P	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total Is 70% Quality ady Sand. Total
4 1/2" / L-80  SIZE TOP (MC  PERFORATION RECO- Sint Lookout/LMF v PF @ 6210'- 6564' MF / Cliffhouse w/. PF @ 5704' - 6094 V Total Holes = 50  3 TE FIRST PRODUCTION 10/12/11 GR( TE OF TEST  10/19/11 DW TUBING PRESS  SI-1243psi	11.6#  LINER RE  BOTTOM (MD)  RD (Interval, size and num  V/ .34" diam.  = 25 Holes  34" diam.  = 25 Holes  PRODUCTION PRODUCTION FLC HOURS TESTED  1hr.  CASING PRESSURE  SI-1020psi	8541' ECORD SACKS CEMENT*  Diber)  CTION METHOD (Flowing)  CHOKE SIZE PRITE 1/2"  CALCULATED (24-HOUR RATE)	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  DD'N FOR OILBST PERIOD  n	TOC@4875 30 SIZE 2 3/8" ACI 6564' 6094'	## A.7# / L-80 D. SHOT, FRACE Acidize w/ 10 Slickwater F N2:1,361,000 Acidize w/ 10 Slickwater fo N2:1,154,700  GASMCF  40 mcf	TURE, CEMEN Dibbls. Frac'd oam w/ 40,2' SCF. Dibbls. Frac'd oam w/ 36,37 DSCF.	NT SQUEEZE, I w/ 2,749bb/ 74# 20/40 Br I w/ 2,439bb 11# 20/40 Br I well status SI R-BBL 2 / bwph	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total  Is 70% Quality ady Sand. Total  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR)
4 1/2" / L-80  SIZE TOP (MC  PERFORATION RECO- Sint Lookout/LMF v PF @ 6210'- 6564' MF / Cliffhouse w/. PF @ 5704' - 6094 V Total Holes = 50  3 TE FIRST PRODUCTION 10/12/11 GR( TE OF TEST  10/19/11 DW TUBING PRESS  SI-1243psi	11.6#  LINER RE  BOTTOM (MD)  RD (Interval, size and num  V/ .34" diam.  = 25 Holes  34" diam.  = 25 Holes  PRODUCTION PRODUCTION PRODUCTION C FLC HOURS TESTED  1hr.  CASING PRESSURE  SI-1020psi (Sold, used for fuel, vente)	8541' ECORD SACKS CEMENT*  Diber)  CTION METHOD (Flowing)  CHOKE SIZE PRITE 1/2"  CALCULATED (24-HOUR RATE)	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  DD'N FOR OIL-B ST PERIOD n	TOC@4875 30 SIZE 2 3/8" ACI 6564'  6094'  ze and type of pum BL /a / boph GASMCF	## A.7# / L-80 D. SHOT, FRACE Acidize w/ 10 Slickwater F N2:1,361,000 Acidize w/ 10 Slickwater fo N2:1,154,700  GASMCF  40 mcf	TURE, CEMERODE STATE OF THE SET (MD) 8444'  STURE, CEMERODE STATE	NT SQUEEZE, I w/ 2,749bb 74# 20/40 Br I w/ 2,439bb 14# 20/40 Br I well status SI R-BBL	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total  Is 70% Quality ady Sand. Total  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR)
4 1/2" / L-80 9 SIZE TOP (ME PERFORATION RECOIDING LOOKOUT/LMF v SPF @ 6210'- 6564' MF / Cliffhouse w/ SPF @ 5704' - 6094 V Total Holes = 50 3 TE FIRST PRODUCTION 10/12/11 GROTE TO TEST 10/19/11 OW TUBING PRESS SI-1243psi 4 DISPOSITION OF GAS	11.6#  LINER RE  BOTTOM (MD)  BOTTOM (MD)  RD (Interval, size and num  VI .34" diam.  = 25 Holes  34" diam.  = 25 Holes  PRODUCTION PRODUC FLC HOURS TESTED  1hr.  CASING PRESSURE  SI-1020psi (Sold, used for fuel, vente) To be sold	8541' ECORD SACKS CEMENT*  Diber)  CTION METHOD (Flowing)  CHOKE SIZE PRITE 1/2"  CALCULATED (24-HOUR RATE)	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  DD'N FOR OIL-B ST PERIOD n	TOC@4875 30 SIZE 2 3/8" ACI 6564'  6094'  ze and type of pum BL /a / boph GASMCF	## A.7# / L-80 D. SHOT, FRACE Acidize w/ 10 Slickwater F N2:1,361,000 Acidize w/ 10 Slickwater fo N2:1,154,700  GASMCF  40 mcf	TURE, CEMERODE STATE OF THE SET (MD) 8444'  STURE, CEMERODE STATE	NT SQUEEZE, I w/ 2,749bb/ 74# 20/40 Br I w/ 2,439bb 11# 20/40 Br I well status SI R-BBL 2 / bwph	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total  Is 70% Quality ady Sand. Total  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR)
4 1/2" / L-80  9 SIZE TOP (MC  PERFORATION RECOIDING LOOKOUT/LMF v SPF @ 6210'- 6564'.  WF / Cliffhouse w/.  SPF @ 5704' - 6094  V Total Holes = 50  3 TE FIRST PRODUCTION 10/12/11 GROUT TO THE ST  10/19/11  OW TUBING PRESS  SI-1243psi 4 DISPOSITION OF GAS  5 LIST OF ATTACHMEN	11.6#  LINER RE  BOTTOM (MD)  BOTTOM (MD)  RD (Interval, size and num  VI .34" diam.  = 25 Holes  34" diam.  = 25 Holes  PRODUCTION PRODUCTION FLC HOURS TESTED  1hr.  CASING PRESSURE  SI-1020psi (Sold, used for fuel, vente) To be sold	8541' ECORD SACKS CEMENT*  DESCRIPTION METHOD (Flow)  DWING CHOKE SIZE PROPERTY  CALCULATED CALCULA	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  5704'-  DD'N FOR OILBST PERIOD n  DILBBL  n/a / bopd	TOC@4875 30 SIZE 2 3/8" ACI 6564' 6094' ze and type of pum BL /a / boph GASMCF 948 mc1	DEPT  4.7# / L-80  D. SHOT, FRAC  Acidize w/ 10  Slickwater F  N2:1,361,000  Acidize w/ 10  Slickwater f  N2:1,154,700  GAS-MCF  40 mcf	TURE, CEMERODE STATE OF THE SET (MD) 8444'  STURE, CEMERODE STATE	NT SQUEEZE, I w/ 2,749bb/ 74# 20/40 Br I w/ 2,439bb 11# 20/40 Br I well status SI R-BBL 2 / bwph	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total  Is 70% Quality ady Sand. Total  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR)
4 1/2" / L-80 9 SIZE TOP (ME PERFORATION RECO DINT LOOKOUT/LMF v SPF @ 6210'- 6564' MF / Cliffhouse w/. SPF @ 5704' - 6094 V Total Holes = 50 10/12/11 GRO TOP TUBING PRESS SI-1243psi 10/19/11 OW TUBING PRESS SI-1243psi 10/19/11 SIST OF ATTACHMEN THE SIST OF ATTACH	11.6#  LINER RE  BOTTOM (MD)  BOTTOM (MD)  RD (Interval, size and num  V/ .34" diam.  = 25 Holes  34" diam.  = 25 Holes  HOURS TESTED  Thr.  CASING PRESSURE  SI-1020psi (Sold, used for fuel, vente)  To be sold  Saveride / Başin Da	8541' ECORD SACKS CEMENT'  DEFINITION METHOD (Flowing)  CHOKE SIZE PROPERTY  1/2"  CALCULATED CALCU	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  5704'-  DD'N FOR OIL-B ST PERIOD n  DIL-BBL  n/a / bopd  d well under DH	TOC@4875 30 SIZE 2 3/8"  ACI 6564'  6094'  2e and type of pum  BL  /a / boph  GASMCF  948 mc1	DEPT  4.7# / L-80  D. SHOT, FRACE  Acidize w/ 10  Slickwater F  N2:1,361,000  Acidize w/ 10  Slickwater fc  N2:1,154,700  GASMCF  40 mcf	TURE, CEMERODE STATE OF THE SET (MD) 8444'  STURE, CEMERODE STATE	NT SQUEEZE, I w/ 2,749bb/ 74# 20/40 Br I w/ 2,439bb 11# 20/40 Br I well status SI R-BBL 2 / bwph	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total  Is 70% Quality ady Sand. Total  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR)
9 SIZE TOP (ME PERFORATION RECOIDING LOOKOUT/LMF v SPF @ 6210'- 6564' MF / Cliffhouse w/.: SPF @ 5704' - 6094 V Total Holes = 50 VITE FIRST PRODUCTION 10/12/11 GROVE OF TEST 10/19/11 OW TUBING PRESS	11.6#  LINER RE  BOTTOM (MD)  BOTTOM (MD)  RD (Interval, size and num  V/ .34" diam.  = 25 Holes  34" diam.  = 25 Holes  HOURS TESTED  Thr.  CASING PRESSURE  SI-1020psi (Sold, used for fuel, vente)  To be sold  Saveride / Başin Da	8541' ECORD SACKS CEMENT'  DEFINITION METHOD (Flowing)  CHOKE SIZE PROPERTY  1/2"  CALCULATED CALCU	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  5704'-  DD'N FOR OIL-B ST PERIOD n  DIL-BBL  n/a / bopd  d well under DH	TOC@4875 30 SIZE 2 3/8"  ACI 6564'  6094'  2e and type of pum  BL  /a / boph  GASMCF  948 mc1	DEPT  4.7# / L-80  D. SHOT, FRACE  Acidize w/ 10  Slickwater F  N2:1,361,000  Acidize w/ 10  Slickwater fc  N2:1,154,700  GASMCF  40 mcf	TURE, CEMERODE STATE OF THE SET (MD) 8444'  STURE, CEMERODE STATE	NT SQUEEZE, I w/ 2,749bb/ 74# 20/40 Br I w/ 2,439bb 11# 20/40 Br I well status SI R-BBL 2 / bwph	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total  Is 70% Quality ady Sand. Total  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR)
4 1/2" / L-80  9 SIZE TOP (ME  PERFORATION RECO  Dint Lookout/LMF v  SPF @ 6210'- 6564'  MF / Cliffhouse w/.  SPF @ 5704' - 6094  V Total Holes = 50  3 TE FIRST PRODUCTION 10/12/11 GRO TE OF TEST 10/19/11  OW TUBING PRESS  SI-1243psi 4 DISPOSITION OF GAS  5 LIST OF ATTACHMEN nis is a Blando Mes	11.6#  LINER RE  BOTTOM (MD)  BOTTOM (MD)  RD (Interval, size and num  V/ .34" diam.  = 25 Holes  34" diam.  = 25 Holes  HOURS TESTED  Thr.  CASING PRESSURE  SI-1020psi (Sold, used for fuel, vente)  To be sold  Saveride / Başin Da	8541' ECORD SACKS CEMENT'  DEFINITION METHOD (Flowing)  CHOKE SIZE PROPERTY  1/2"  CALCULATED CALCU	6 1/4"  SCREEN (MD)  32  6210'-  5704'-  5704'-  DIL-BBL  n/a / bopd  d well under DHd dorrect as determined	TOC@4875 30 SIZE 2 3/8"  ACI 6564'  6094'  2e and type of pum  BL  /a / boph  GASMCF  948 mc1	DEPT  4.7# / L-80  D. SHOT, FRACE  Acidize w/ 10  Slickwater F  N2:1,361,000  Acidize w/ 10  Slickwater fc  N2:1,154,700  GASMCF  40 mcf  WA  AZ.  records	TURE, CEMERODE STATE OF THE SET (MD) 8444'  STURE, CEMERODE STATE	NT SQUEEZE, I w/ 2,749bb/ 74# 20/40 Br I w/ 2,439bb 11# 20/40 Br I well status SI R-BBL 2 / bwph	D ACKER SET (MD)  ETC. Is 70% Quality rady Sand. Total  Is 70% Quality ady Sand. Total  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR)

Title 18 U S C Section 1001, makes a crime for any person knowingly and willfully to make to any department of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ACCEPTED FOR RECORD

NOV 0 9 2011

API # 30-039-30449			SAN JUAN 27-4 UNIT 109M			
Ojo Alamo	3418'	3638'	White, cr-gr ss.		Ojo Alamo	3418'
Kirtland	3638'	3892'	Gry sh interbedded w/tight, gry, fine-gr ss.	~	Kirtland	3638'
Fruitland	3892'	4060'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.		Fruitland	3892'
Pictured Cliffs	4060'	4232'	Bn-Gry, fine grn, tight ss.	2	Pic.Cliffs	4060'
Lewis	4232'	4616'	Shale w/siltstone stringers		Lewis	4232'
Huerfanito Bentonite	4616'	5069'	White, waxy chalky bentonite		Huerfanito Bent.	4616'
Chacra	5069'	5692'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	ý,	Chacra	5069'
Mesa Verde	5692'	5953'	Light gry, med-fine gr ss, carb sh & coal		Mesa Verde	5692'
Menefee	5953'	6244'	Med-dark gry, fine gr ss, carb sh & coal		Menefee	5953'
Point Lookout	6244'	6797'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation		Point Lookout	6244'
Mancos	6797'	7421'	Dark gry carb sh.		Mancos	6797'
Gallup	7421'	8230'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. interbed sh		Gallup	7421'
Greenhorn	8230'	8295'	Highly calc gry sh w/thin Imst.		Greenhorn	8230'
Graneros	8295'	8339'	Dk gry shale, fossil & carb w/pyrite incl.		Graneros	8295'
Dakota	8339'	8556'	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay Y shale breaks		Dakota	8339'

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