Form 3460-4 _/October 100)

AFK 2 3 2008

UNITED STATES

UNITED STATES

Latin Managenterise other inBEPARTMENT OF THE INTERIOR to Field Office severae adde)

BUREAU OF LAND MANAGEMENT

FOR APPROVED OMB NO. 1004-0137

		CAPACO.			,	
5.	LEASE	DESIGNA	TION	AND	SERIA	L NO

											1	USA SF-080)511	
WELL (COMPL	ETIO	N OR I	RECOM	PLET	ION R	EPO	RT AND LO	OG*	نصيحت بمناسبي بسيد	6. IF	INDIAN, ALLOTTE	E OR TRIBE NAME	
1a. TYPE O	F WELL.		METT OIF	GAS WELL	X	DRY	Other				1			
			MELL	WELL	التتا]				7 UI	NIT AGREEMENT N	AME	
b. TYPE O	F COMPLE						,							
	METT 2	WORK OVER	DEEP- EN	PLUG BACK	Ш	DIFF RESVR	Other				8. FA	ARM OR LEASE NA	ME, WELL NO.	
											L		igton 9M	
2. NAME C											9. AI	PI WELL NO.		
3. ADDRES				IL & GAS	COMPAN	Y, LP					10.5	30-039-3039		
	D BOX 42			# 87499	(505)	326-970	0				ì	ico MV/Basin		
				early and in a				uirements)*					BLOCK AND SURVEY	
At surfac	e U	nit A (NE	NE) 670'	FNL & 815	FEL							OR AREA		
											Sec.	31, T27N, R7V	V, NMPM	
At top pr	od. interval	reported b	elow	Same as	above							RCVD AP	R 25 '08	
At total o	iepth S	ame as a	bove									JI		
					14. F	PERMIT NO),	DATE ISSUED			12. (COUNTY OR	_13. STATE	
					- ' ' '							PARISH DIC	The state of the s	
				1/9 8	19P COLES	78		1			<u> </u>		New Mexico	
15. DATE SP		3. DATE T. 1/26/	D. REACHE!	5 17.0	4/20/08	L. (Ready to	proa. ;		18. ELEVAT	IONS (DF, RKB, R 6675'	T, BR, 6 KB	ETC.)* 6690*	19. ELEV. CASINGHEAD	
20. TOTAL D				BACK T.D., ME		22. IF MUL	TIPLE C	OMPL	23. INTERV			RY TOOLS	CABLE TOOLS	
						1	HOW	MANY	DRILLE	D BY			•	
7458' 24. PRODUC	TONINGEO	(A) (C) OF 3	7456		077014	1	2		<u> </u>		yes	25. WAS DIRECT	701141	
24. PRODUC	HON INTER	/AL (5) UF	HIS COMPL	ETION-TOP, B	OTTOM, N	AME (IMD AM	D 1VD)-					SURVEY MA		
	o Mesave		5012' - 5	5396'								<u> </u>	No	
26. TYPE ELI			GS RUN								27. WA	S WELL CORED		
GR/C	CL/CBL										<u> </u>		No	
28. CASING SIZ	7E/CRADE	I WEIGH	T, LB./FT.	Т осрти с	ET (MD)	CASING		D (Report all string) ENTING RECORD		1	OUNT PULLED	
8 5/8", .		24#	1, LOJF 1.	995	ET (MD)	12 1/4"	SIZE	surface: 981 sx		(1356 cf)		110 bbls	OUAL POLCED	
4 1/2",		11.6#		7457	· · · · · · · · · · · · · · · · · · ·	7 7/8"		TOC surface, 1	112 sx (2	(1166 cf)		23 bbls		
						<u> </u>								
29. SIZE	TOP (MD) I BOT	TOM (MD)	SACKS C	ENENT•	SCREEN (MD) SIZE DEPTH SET					TUBING RECORD (MD) PACKER SET (MD)			
SIZE	TOP (IMD	' -	TOM (MD)	SACKS C	CMEIAI	- SCREE	* (IVIC)	SIZE DEPTH SET 7450°			TABLET GET (ME)			
												<u> </u>		
31 PERFORA		RD (Interval,	size and nur	mber)		32.	200	AC				SQUEEZE, ETC		
.34" @ 1 5 5012' - 539		oles										HCL. Frac w/57,414 gals 60Q 30,000# 20/40 Brady Sand		
						N2 = 1,370,100 SCF						50,000# 20140 Brady Garia		
total holes	3 = 24													
33. DATE FIRST PE	RODUCTION		PRODUC	CTION METHO	D (Flowing.	gas lift, pum		PRODUCTION and type of pump)				IWELL STATUS (F	roducing or shut-in)	
SI W/O Fac		- 1				Flowing	-	, .,				SI	,	
DATE OF TEST		HOURS TO	ESTED	CHOKE SIZE		'N FOR	OIL-B	BL	GAS-MCF		WAT	ER-BBL	GAS-OIL RATIO	
4142101		i	_	4108	IEST	PERIOD	1	0 hh	2 75	•				
4/13/00 FLOW, TUBING		CASING P	RESSURE	1/2"	n OIL	-BBL		0 boph GAS-MCF	3.75 mcl	n Water-88		0	OIL GRAVITY-API (CORR.)	
SI - 88		SI - 7		24-HOUR RA	-	0 bopd		90 mcfd			0	٠.		
34. DISPOSIT				ed, etc.)		<u> </u>		1			-	TEST WITNESSE	DBY	
To be			les to be	set befo	re first p	producti	on.					<u>L</u>		
				r order #27										
36. I hereby co	ertify that the	foregoing an	d attached in	nformation is co	emplete and	correct as de	termined	from all available reco	ords					
SIGNED X	lan I		RUA	,_	TITLE	Regulate	ory Tec	chnician			DATE	4/21/08		

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it 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.

ASCEPTED FOR RECULT

APR 2 4 2008

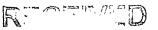




Well Name			Harrington 9M		
Cio Alamo	2010'	2119'	White, cr-gr ss.	Ojo Alamo	2010'
Kirtland	2119'	2400'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2119'
Fruitland	2400'	2833'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	2400'
Pictured Cliffs	2833'	3023'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	2833'
Lewis	3023'	3358'	Shale w/siltstone stringers	Lewis	3023'
Huerfanito Bentonite	3358'	3780'	White, waxy chalky bentonite	Huerfanito Bent.	3358'
Chacra	3780'	4452'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	3780'
Mesa Verde	4452'	4574'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4452'
Menefee	4574'	5138'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4574'
Point Lookout	5138'	5426'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5138'
Mancos	5426'	6309'	Dark gry carb sh.	Mancos	5426'
Gallup	6309'	7131'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. Interbeb sh	Gallup	6309'
Greenhorn	7131'	7196'	Highly calc gry sh w/thin lmst.	Greenhorn	7131'
Graneros	7196'	7238'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7196'
Dakota	7238'	•	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shall breaks	Dakota	7238'

A CONTRACTOR OF THE CONTRACTOR

SIGNED



UNITED STATES

APR 2 3 SUBMIT, IN DUPLICATE*

FOR APPROVED OMB NO 1004-0137

(54,555, 1555)	D	EPARTMEN	T OF THE	INTER	NOR		structions on reverse side)		Evnirae De	ecember 31, 1991	
	J.	BUREAU OF	LAND MANA	GEMEN	RIOR Ileau or Land r IT-armington Fi	Mana	gem ent	5. LE		ON AND SERIAL NO.	
					'I-armington Fi	ieia C	mice	İ	USA SF-086	0511	
WELL COMPI	ETION OR	RECOMP	FTION	REPC	ORT AND I	OG*		6. IF	INDIAN, ALLOTTE	E OR TRIBE NAME	
1a. TYPE OF WELL:	OIL	GAS V			THE PARTY OF THE P			1			
	WELL	WELL	DRY	Other			•	7 U	NT AGREEMENT	NAME	
b. TYPE OF COMPLE	TION:										
WEAT	WORK DEEP	- PLUG BACK	DIFF RESVR	Other				8. FA	RM OR LEASE N	AME, WELL NO.	
							•	<u> </u>	Harri	ngton 9M	
2. NAME OF OPERAT								9. AF	WELL NO.		
	ON RESOURCES	OIL & GAS CO	MPANY, LP					 	30-039-3039		
3 ADDRESS AND TEI	.ephone no. 89, Farmington, N	IM 87400 /5	05) 326-97	700					co MV/Basir		
4. LOCATION OF WEL					irements)*					BLOCK AND SURVEY	
At surface U	nit A (NENE) 670'	FNL & 815 FE	L .	·	•			1 (OR AREA		
	, ,							Sec.	31, T27N, R7	W, NMPM	
At top prod. interval	reported below	Same as abo	ve					l	rcvd ap	'R 25 '08	
At total domain S	ame as above							1	OIL COM	IS. DIV.	
At total depth S	alle as above							05.3			
			14. PERMIT N	Ю.	DATE ISSUED			12. C	OUNTY OR	13. STATE	
								1	PARISH Pio Arriba	New Mexico	
15. DATE SPUDDED 11	B. DATE T.D. REACHE	D 17 DATE	COMPL. (Ready	to prod.)	 	18. EL	EVATIONS (DF, F	KB, RT,		19. ELEV. CASINGHEAD	
1/19/08	1/26/08		20/08			GL	6675'	KB	6690'		
20. TOTAL DEPTH, MD &	TVD 21. PLUG,	BACK T.D., MD &TV	/D 22.1F M	ULTIPLE C	OMPL., MANY*		TERVALS RILLED BY	ROTAR	RY TOOLS	CABLE TOOLS	
7458'	745	6'		2		"	INICCED DI	yes		{	
24. PRODUCTION INTER	VAL (S) OF THIS COMP	LETION-TOP, BOTT	OM, NAME (MD	AND TVD)	•	·		10	25. WAS DIRECT		
Basin Dakota	7252' -	7450'							SURVEY MA	NO No	
26. TYPE ELECTRIC AND			···········					27. WA	S WELL CORED		
GR/CCL/CBL										No	
28.			CASING I	RECORD	(Report all strings s	et in we	#)				
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET	<u>`</u>	E SIZE			MENTING RECO	RD		OUNT PULLED	
8 5/8", J-55 4 1/2", L-80	24# 11.6#	995' 7457'	12 1/4 7 7/8**		TOC surface, 1		(1356 cf)		110 bbls 23 bbls		
		1					. (2017 0.)				
29.	LINER F	RECORD						π	BING RECORD		
SIZE TOP (MD) BOTTOM (MD)	SACKS CEME	NT* SCRE	EN (MD)	SIZE		DEPTH SET	(MD)	PA	CKER SET (MD)	
		 			2-3/8"		7450'				
31 PERFORATION RECO	RD (Interval, size and nu	ımber)	32.		ACIE	, SHO	r, Fracture, (CEMEN	T SQUEEZE, ET	C.	
.34" @ 2 SPF			7252)					15% HCL. Frac w/102,186 gals		
7354' - 7450' = 44 h .34" @ 1 SPF	oles		ļ	slickwater w/40,0					00# 20/40 TLC Sand		
7252' - 7335' = 15 h	oles										
total holes ≈ 59					600.065.81						
33. DATE FIRST PRODUCTION	PRODU	CTION METHOD (F	lowing, gas lift, pu		RODUCTION e and type of pump)				WELL STATUS (F	roducing or shut-in)	
St W/O Facilities			Flowi						SI		
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-E	3BL	GAS-	MCF	WATE	R-BBL	GAS-OIL RATIO	
4/20/08	1	1/2"		-	.75 boph	22.5	mcfh	1	.13 bwph		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED	OIL-BBL		GAS-MCF		WATER-BE	1		OIL GRAVITY-API (CORR.)	
CI BOOM	61 7404	24-HOUR RATE	40.1		F40 51				L		
SI - 880# 34, DISPOSITION OF GAS	SI -712# (Sold, used for fuel, veri	ted, etc.)	00 87	18 bopd 540 mcfd			L	3.12 bwpd TEST WITNESSED BY			
To be sold. W/		•	irst produc	tion.							
35. LIST OF ATTACHMENT	S										
	well being DHC pe			4.4					 		
36. I hereby certify that the	no oguniy and attacmed i	morniauon is comple	ana quin collect 98	veremine	o nom an avanadie rec	JUI US			THE PARTY OF THE P		

*(See Instructions and Spaces for Additional Data on Reverse Side)

Regulatory Technician

Title 18 U.S.C. Section 1001, makes it 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.

TITLE



5-

DATE 4/21/08

Well Name			Harrington 9M		
Qio Alamo	2010'	2119'	White, cr-gr ss.	Ojo Alamo	2010'
Kirtland	2119'	2400'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2119'
Fruitland	2400'	2833'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss	Fruitland	2400'
Pictured Cliffs	2833'	3023'	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	2833'
Lewis	3023'	3358'	Shale w/siltstone stringers	Lewis	3023'
Huerfanito Bentonite	3358'	3780'	White, waxy chalky bentonite	Huerfanito Bent.	3358'
Chacra	3780'	4452'	Gry fn grn silty, glauconitic sd stone w/drk gry shale	Chacra	3780'
Mesa Verde	4452'	4574'	Light gry, med-fine gr ss, carb sh & coal	Mesa Verde	4452'
Menefee	4574'	5138'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4574'
Point Lookout	5138'	5426'	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Point Lookout	5138'
Mancos	5426'	6309'	Dark gry carb sh.	Mancos	5426'
Gallup	6309'	7131'	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg. Interbeb sh	Gallup	6309'
Greenhorn	7131'	7196'	Highly calc gry sh w/thin lmst.	Greenhorn	7131'
Graneros	7196'	7238'	Dk gry shale, fossil & carb w/pyrite incl.	Graneros	7196'
Dakota	7238'	1	Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shall breaks	Dakota	7238'

.

r. *** 1. ·

į.