(October 1990)

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

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

FOR APPROVED OMB NO 1004-0137

2**^~**

Expires* December 31, 1991

5. LEASE DESIGNATION AND SERIAL NO

SF-	079	901	12
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	OMPL	ETIO	N OR	REC	OMP	LETIC	ON REP	ORT AND) LO	G*	6 IF	INDIAN, ALLOTTE	EE OR TRIBE NAME
ta TYPE OF	WELL		OIL WELI,	\prod	GAS WELL X	DRY	Other				7		
b TYPE OF	COMPLET	FION					190 17		A BIZ		7. UI	NIT AGREEMENT San Juan 3	
o in Eoi	NEW Y	WORK	DEEP-		PLUG	DIFF			AF		B. FA	RM OR LEASE N	
	WELL	OVER	EN	Ц	BACK	RES	VR GOTHER	OT 0	2007	,			31-6 Unit #13H
2. NAME OF	OPERAT	OR									9 AF	WELL NO.	51-0 0111t # 1511
	nocoPhil							uot Land N	Aanad	ement	30-039-29652		
3 ADDRESS					-o /F	OE) 20	e ozooEa	imington Fi	eld Of	fice	10 F	IELD AND POOL.	
	BOX 428				99 (5	dance wit	b any State re	equirements)*			11 8	Basin Dk/E	R BLOCK AND SURVEY
At surface		nit M (S		•			-	yar omone ,			ı	OR AREA	
, , , , , , , , , , , , , , , , , , , ,		(0	,.		,						1		R6W, NMPM
At top pro	d interval	reported be	low	San	ne as a	above						R	CVD OCT 9 '07
At total de		nit M (S	M/C\A/\ 7	40' E	CI 774'	' E\A/I						1	ML CONS. DIV.
At total de	apui U	ilir ivi (3	11311) 1	49 F	3L, ///	LAAL					ł		DIST. 3
						14. PEF	MIT NO	DATE ISSU	ED		1	OUNTY OR	13. STATE
											1	PARISH	New Mexico
5. DATE SPU	DDED 16	. DATE T.C	D. REACHEI	D	17 DATE	COMPL. (Ready to prod.)	18. EL	EVATIONS (DF,	RKB, RT,	Rio Arriba BR, ETC.)*	19. ELEV CASINGHEAD
9/26/06		10/14				28/07			GL	6275	KB	6291	-
D. TOTAL DEF	PTH, MD &T	VD T	21 PLUG, I	BACK T.	D., MD &TV	/D 22.	F MULTIPLE C			TERVALS RILLED BY	ROTAR	RY TOOLS	CABLE TOOLS
793	341/79051/	7831'		7841	'77773°		2	••	-		yes		1
PRODUCTI	ION INTERV	AL (S) OF T	HIS COMPL	ETION-1	TOP, BOTT	OM, NAME	(MD AND TVE))*	*			25. WAS DIRECT	
Blanco	Mesa V	erde 494	40' - 572	29'								SURVEY MA	No
TYPE ELEC	CTRIC AND	OTHER LOG	S RUN								27 WA	S WELL CORED	
Cemer	nt Bond	Log/G	amma	Ray	Casing	Colla	r						No
1								(Report all string					
9 5/8" H-		WEIGHT 32.3#	, LB./FT		TH SET (A		HOLE SIZE	TOP OF CE		EMENTING REC (107 cf)	ORD	1 bbls	MOUNT PULLED
7" J-55	70	23#			3595'	8 3		surface 649		(1322 cf)		40 bbls	
4 1/2" N-	-80	11.6#			7930'	6 1	4"	TOC 4080'; 1				includes squ	
											_		
	TOD (MD)	1 8077	LINER RI			C	CDEEN (MD)	30.		DEDTHICET		BING RECORD	
SIZE	TOP (MD)	вотт	LINER RI OM (MD)		KS CEMEN	NT° S	CREEN (MD)	30. SIZE 2-3/8**		DEPTH SET 7806 '			CKER SET (MD)
SIZE			OM (MD)	SAC		NT* S	CREEN (MD)	SIZE 2-3/8**		7806'	(MD)	PA	CKER SET (MD)
SIZE			OM (MD)	SAC		32.		SIZE 2-3/8**	ID, SHO	7806' T, FRACTURE	(MD)	PA NT SQUEEZE, E	CKER SET (MD)
PERFORATI	ION RECOR	RD (Interval,	OM (MD) size and nur	SAC		32.	1' - 5729'	SIZE 2-3/8**	ID, SHO	7806' T, FRACTURE ed 10500 ga	(MD) , CEMEN	PA NT SQUEEZE, E lickwater/Foa	CKER SET (MD)
PERFORATION OF THE PERFORATION OF THE PERFORATION OF THE PERFORMANCE OF THE PERFORMANCE OF THE PERFORATION OF THE PERFORMANCE O	ION RECOR	RD (Interval, :	OM (MD) size and nur holes	SAC		32.		SIZE 2-3/8**	ID, SHO	7806' T, FRACTURE	(MD) , CEMEN	PA NT SQUEEZE, E lickwater/Foa	CKER SET (MD)
PERFORATION OF THE PERFORATION OF THE PERFORATION OF THE PERFORMANCE OF THE PERFORMANCE OF THE PERFORATION OF THE PERFORMANCE O	ION RECOR	RD (Interval, :	OM (MD) size and nur holes	SAC		32. 550	1' - 5729'	SIZE 2-3/8**	ID, SHO	7806' IT, FRACTURE ed 10500 ga ix 100000# 20	(MD) , CEMEN I 60Q S 0/40 AZ	PA VT SQUEEZE, E lickwater/Foa Sand.	CKER SET (MD) ETC Im Pad, pumped
PERFORATION OF THE PERFORATION OF THE PERFORATION OF THE PERFORMANCE OF THE PERFORMANCE OF THE PERFORATION OF THE PERFORMANCE O	ION RECOR	RD (Interval, :	OM (MD) size and nur holes	SAC		32. 550		SIZE 2-3/8**	Pump appro	7806' T, FRACTURE ed 10500 ga ix 100000# 20	(MD) , CEMEN I 60Q S 0/40 AZ	PA VT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur	CKER SET (MD) ETC am Pad, pumped mped 10500 gal
PERFORATION OF THE PERFORATION OF THE PERFORATION OF THE PERFORMANCE OF THE PERFORMANCE OF THE PERFORMANCE OF THE PERFORATION OF THE PERFORMANCE O	ION RECOR	RD (Interval, :	OM (MD) size and nur holes	SAC		32. 550	1' - 5729'	SIZE 2-3/8**	Pump appro	7806' T, FRACTURE ed 10500 ga ix 100000# 20	(MD) , CEMEN I 60Q S 0/40 AZ	PA VT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur	CKER SET (MD) ETC Im Pad, pumped
PERFORATION OF THE PERFORATION OF THE PERFORATION OF THE PERFORMANCE OF THE PERFORMANCE OF THE PERFORATION OF THE PERFORMANCE O	ION RECOR	RD (Interval, :	OM (MD) size and nur holes	SAC		32. 550	1' - 5729'	SIZE 2-3/8**	Pump appro	7806' IT, FRACTURE ed 10500 ga ix 100000# 20 thead 10 bbls lickwater/Fo	(MD) , CEMEN I 60Q S 0/40 AZ	PA VT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur	CKER SET (MD) ETC am Pad, pumped mped 10500 gal
PERFORATI	ION RECOR	RD (Interval, :	OM (MD) size and nur holes	SAC		32. 550	1' - 5729' 10' - 5413'	SIZE 2-3/8**	Pump appro	7806' IT, FRACTURE ed 10500 ga ix 100000# 20 thead 10 bbls lickwater/Fo	(MD) , CEMEN I 60Q S 0/40 AZ	PA VT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur	CKER SET (MD) ETC am Pad, pumped mped 10500 gal
PERFORATION OF THE PERFORATION OF THE PERFORATION OF THE PERFORMANCE PERFORMANCE PERFORATION OF THE PERFORAT	729' - 55 5413' - 4	(interval, solution) (interval	OM (MD) size and nur holes 0 holes	SAC	KS CEMEN	32. 550 494	1' - 5729' 10' - 5413' IM, pumping-si	SIZE 2-3/8** AC	Pump appro Spear 60Q S	7806' IT, FRACTURE ed 10500 ga ix 100000# 20 thead 10 bbls lickwater/Fo	(MD) , CEMEN I 60Q S 0/40 AZ	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur d, pumped ap WELL STATUS (F	CKER SET (MD) ETC am Pad, pumped mped 10500 gal
PERFORATION PERFORMENT PROPERTY PROPERT	TON RECOR 729' - 55 5413' - 4	20 (Interval, :: 001' = 30 940' = 30	OM (MD) Size and nur holes 0 holes	SAC	KS CEMEN	32. 550 494 494 500 Flo	1' - 5729' 10' - 5413' PR IIII. pumping—si wing	AC AC ODUCTION Ze and type of puri	Spear (60Q S 20/40	7806' IT, FRACTURE Red 10500 ga ix 100000# 2i thead 10 bbls Ilickwater/Fo AZ Sand	(MD) , CEMEN I 60Q S 0/40 AZ	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur d, pumped ap WELL STATUS (F	CKER SET (MD) ETC am Pad, pumped mped 10500 gal prox 100000#
PERFORATI 1SPF O/LMF 5 MF/CH = 5	729' - 55 5413' - 4	(interval, solution) (interval	OM (MD) Size and nur holes 0 holes	nber)	KS CEMEN	32. 550 494	1' - 5729' 10' - 5413' 10' - 5413' 11' - 5729' 10' - 5413' 11' - 5729' 10' - 5413' 10' - 5413' 10' - 5413'	AC AC ODUCTION Ze and type of puri	Pump appro Spear 60Q S	7806' IT, FRACTURE Red 10500 ga ix 100000# 2i thead 10 bbls Ilickwater/Fo AZ Sand	(MD) , CEMEN I 60Q S 0/40 AZ	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur d, pumped ap WELL STATUS (F	CKER SET (MD) ETC Im Pad, pumped mped 10500 gal pprox 100000#
PERFORATI 1SPF O/LMF 57 MF/CH = 5	729' - 55 5413' - 4	ilities HOURS TES	OM (MD) size and nuc holes 0 holes PRODUC	SAC TION M CHOKE	KS CEMEN	32. 550 494 494 Floopropin Fi	1' - 5729' 10' - 5413' PR IM, pumping—si wing DR OIL—BI	AC AC CODUCTION Ze and type of puri	Spear (60Q S 20/40	7806' IT, FRACTURE ed 10500 ga x 100000# 2' thead 10 bbls ilickwater/Fo AZ Sand	(MD) , CEMEN 160Q S 0/40 AZ s 15% Ham Pac	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur J, pumped ap WELL STATUS (F SI R-BBL	CKER SET (MD) ETC am Pad, pumped mped 10500 gal prox 100000# Producing or shul-in) GAS-OIL RATIO
PERFORATI 1SPF O/LMF 57 MF/CH = 5	729' - 55 5413' - 4	10 (Interval, 10 (Interval, 10) 11 = 30 940' = 30 11 11 11 11 11 11 11 1	OM (MD) size and nuc holes 0 holes PRODUC	TION M CHOKE	KS CEMEN	32. 550 494 6wing, gas Flo	1' - 5729' 10' - 5413' PR IM, pumping—si wing DR OIL—BI	AC AC ODUCTION Ze and type of puri	Spear 60Q S 20/40	7806' IT, FRACTURE led 10500 ga ix 100000# 20 head 10 bbls lickwater/Fo AZ Sand	(MD) , CEMEN 160Q S 0/40 AZ s 15% Ham Pac	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur J, pumped ap WELL STATUS (F SI R-BBL	CKER SET (MD) ETC am Pad, pumped mped 10500 gal prox 100000#
PERFORATION OF TUBING PO	729' - 55 5413' - 4	ilities HOURS TES	OM (MD) size and nuc holes 0 holes PRODUC	TION M CHOKE	ETHOD (FA	32. 550 494 494 Floopropin Fi	1' - 5729' 10' - 5413' 10' - 5413' PR IM, pumping—si wing DR OIL—BI	AC AC CODUCTION Ze and type of puri	Spear 60Q S 20/40	7806' IT, FRACTURE led 10500 ga ix 100000# 2i thead 10 bbls lickwater/Fo AZ Sand MCF WATER-BE	(MD) , CEMEN 160Q S 0/40 AZ s 15% Ham Pac	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur J, pumped ap WELL STATUS (F SI R-BBL	CKER SET (MD) ETC am Pad, pumped mped 10500 gal prox 100000# Producing or shul-in) GAS-OIL RATIO
PERFORATION OF THE PERFORATION OF THE PERFORMANCE OF TEST 9/25/07 W TUBING PI	729' - 55 5413' - 4 DUCTION N/O Fac	ilities HOURS TES 774# Sold, used to	OM (MD) Size and nuc holes PRODUC STED ESSURE	SAC TION M CHOKE 1/2 CALCUI 24-HOU	ETHOD (FA	32. 550 494 494 Floopropin Fi	1' - 5729' 10' - 5413' 10' - 5413' PR IM, pumping—si wing DR OIL—BI	AC AC CODUCTION Zee and type of purification GASMCF	Spear 60Q S 20/40	7806' IT, FRACTURE ed 10500 ga x 100000# 2' thead 10 bbls ilickwater/Fo AZ Sand	(MD) , CEMEN 160Q S 0/40 AZ s 15% Ham Pac	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur J, pumped ap WELL STATUS (F SI R-BBL	CKER SET (MD) ETC Im Pad, pumped Imped 10500 gal Improx 100000# Producing or shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
PERFORATION PERFORATION SPF O/LMF 5 AF/CH = 5 E FIRST PRO SI V E OF TEST 9/25/07 W TUBING PI B# DISPOSITION	729' - 55 5413' - 4	ilities HOURS TES CASING PR 774# To be	OM (MD) Size and nuc holes PRODUC STED ESSURE	SAC TION M CHOKE 1/2 CALCUI 24-HOU	ETHOD (FA	32. 550 494 494 Floopropin Fi	1' - 5729' 10' - 5413' 10' - 5413' PR IM, pumping—si wing DR OIL—BI	AC AC CODUCTION Zee and type of purification GASMCF	Spear 60Q S 20/40	7806' IT, FRACTURE led 10500 ga ix 100000# 2i thead 10 bbls lickwater/Fo AZ Sand MCF WATER-BE	(MD) , CEMEN 160Q S 0/40 AZ s 15% Ham Pac	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur d, pumped ap WELL STATUS (F SI R-BBL	CKER SET (MD) ETC am Pad, pumped mped 10500 gal prox 100000# Producing or shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
PERFORATION OF THE PERFORMANCE OF TEST 9/25/07 W TUBING POSITION OF THE PERFORMANCE OF TEST 9/25/07 W TUBING POSITION OF THE PERFORMANCE OF TEST	729' - 55 5413' - 4 DUCTION N/O Fac	illities HOURS TES 774# Sold, used to To be	OM (MD) Size and nur holes holes PRODUC ESSURE w huel, vente	SAC Tiber) CHOKE 1/2 CALCUI 24-HOU	ETHOD (FA	32. 550 494 494 Flo PROD'N FI TEST PER	1' - 5729' 10' - 5413'	AC AC AC CODUCTION Ze and type of puri BL GAS-MCF 1584 mcf/d	Spear 60Q S 20/40	7806' IT, FRACTURE led 10500 ga ix 100000# 2i thead 10 bbls lickwater/Fo AZ Sand MCF WATER-BE	(MD) , CEMEN 160Q S 0/40 AZ s 15% Ham Pac	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur d, pumped ap WELL STATUS (F SI R-BBL	CKER SET (MD) ETC Im Pad, pumped Imped 10500 gal Improx 100000# Producing or shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
PERFORATI 1SPF O/LMF 5: WF/CH = 5 SI V TE OF TEST 9/25/07 W TUBING PI B DISPOSITION LIST OF ATT IS WILL BE A	729' - 55 5413' - 4 DUCTION N/O Fac PRESS. N OF GAS (illities HOURS TES TO be sakota/Bla	OM (MD) Size and nur holes 0 holes PRODUC STED ESSURE or fuel, vente sold nco Mes	CHOKE 1/2 CALCUI 24-HOU ad, etc.)	ETHOD (FA	32. 550 494 494 Flo PROD'N FI TEST PER OILBBI	1' - 5729' 10' - 5413' FR IIII, pumping—si wing OR OIL—BI	AC AC AC CODUCTION Ze and type of puri BL GAS-MCF 1584 mcf/d	Spear 60Q S 20/40	7806' IT, FRACTURE led 10500 ga ix 100000# 2i thead 10 bbls lickwater/Fo AZ Sand MCF WATER-BE	(MD) , CEMEN 160Q S 0/40 AZ s 15% Ham Pac	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur d, pumped ap WELL STATUS (F SI R-BBL	CKER SET (MD) ETC Im Pad, pumped Imped 10500 gal Improx 100000# Producing or shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
PERFORATION TO SIVE TO	729' - 55 5413' - 4 DUCTION N/O Fac TACHMENTS Basin Da	ilities HOURS TES TO be sakota/Bla	OM (MD) Size and nuc holes holes PRODUC STED ESSURE w tuel, vente sold nco Mes attached infe	CHOKE 1/2 CALCUI 24-HOU ad, etc.)	ETHOD (FA	32. 550 494 494 Flo PROD'N FI TEST PER OILBBI	1' - 5729' 10' - 5413' FR IIII, pumping—si wing OR OIL—BI	AC AC AC CODUCTION Ze and type of pun BL GAS-MCF 1584 mcf/d	Spear 60Q S 20/40	7806' IT, FRACTURE led 10500 ga ix 100000# 2i thead 10 bbls lickwater/Fo AZ Sand MCF WATER-BE	(MD) , CEMEN 160Q S 0/40 AZ s 15% Ham Pac	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur d, pumped ap WELL STATUS (F SI R-BBL	CKER SET (MD) ETC Im Pad, pumped Imped 10500 gal Improx 100000# Producing or shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)
PERFORATI ISPF O/LMF 57 IF/CH = 5 EFIRST PRO SI V E OF TEST V TUBING PI BH DISPOSITION LIST OF ATT S WILL BE A	729' - 55 5413' - 4 DUCTION N/O Fac TACHMENTS Basin Da	illities HOURS TES TO be sakota/Bla	OM (MD) Size and nuc holes holes PRODUC STED ESSURE w tuel, vente sold nco Mes attached infe	CHOKE 1/2 CALCUI 24-HOU ad, etc.)	ETHOD (FA	32. 550 494 494 Flo PROD'N FI TEST PER OILBBI	1' - 5729' 10' - 5413' FR IIII, pumping—si wing OR OIL—BI	AC	Spear 60Q S 20/40	7806' IT, FRACTURE led 10500 ga ix 100000# 2i thead 10 bbls lickwater/Fo AZ Sand MCF WATER-BE	(MD) , CEMEN 160Q S 0/40 AZ s 15% Ham Pac	PA NT SQUEEZE, E lickwater/Foa Sand. ICL Acid, pur d, pumped ap WELL STATUS (F SI R-BBL	CKER SET (MD) ETC Im Pad, pumped Imped 10500 gal Improx 100000# Producing or shul-in) GAS-OIL RATIO OIL GRAVITY-API (CORR.)

Ojo Alamo	2341'	2470′	White, cr-gr ss.	Ojo Alamo	2341'
Kirtland	2470'	2985'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2470'
Fruitland	2985′	3186′	Dk gry-gry carb sh, coal, grn silts, light-	Fruitland	2985'
			med gry, tight, fine gr ss.		
Pictured Cliffs	3186′	•	Bn-Gry, fine grn, tight ss.	Pic.Cliffs	3186'
Lewis	,	4024'	Shale w/siltstone stringers	Lewis	,
Huerfanito Bentonite	4024'	4419'	White, waxy chalky bentonite	Huerfanito Bent.	4024'
Chacra	4419′	4936'	Gry fn grn silty, glauconitic sd stone	Chacra	4419'
			w/drk gry shale	Mesa Verde	4936'
Mesa Verde	4936'	5283′	Light gry, med-fine gr ss, carb sh	Menefee	5283′
			& coal	Point Lookout	5545′
Menefee	5283′	5545'	Med-dark gry, fine gr ss, carb sh & coal	Mancos	5885′
Point Lookout	5545'	5885'	Med-light gry, very fine gr ss w/frequent	Gallup	6841'
			sh breaks in lower part of formation	Greenhorn	7561′
Mancos	5885′	6841'	Dark gry carb sh.	Graneros	7604′
Gallup	6841'	7561'	Lt gry to brn calc carb micac glauc	Dakota	7713′
			silts & very fine gr gry ss w/irreg.interbed sh	, , , , , , , , , , , , , , , , , , ,	
Greenhorn	7561′	7604′	Highly calc gry sh w/thin lmst.	1	•
Graneros	7604'	7604′	Dk gry shale, fossil & carb w/pyrite incl.	•	
Dakota	7713′		Lt to dk gry foss carb sl calc sl silty		
			ss w/pyrite incl thin sh bands clay & shale break	s	5