. Form 3160-4 (October 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other InFOR APPROVED

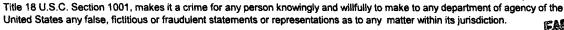
OMB NO. 1004-0137

	Expires:	December	31,	1991
5. LEASE	DESIGNA	TION AND	SER	IAL NO.

VELL COM									87		
	PLETION	OR RE	COMPL	ETION REP	ORT AND	LOG*	6. IF	INDIAN, ALLOTTE	E OR TRIBE NAME		
a. TYPE OF WELL:		OIL WELL	GAS X	DRY	.) - 1- 11- 11	16	7				
		WELL	WELL [ب ا			7. UI	NIT AGREEMENT	NAME		
TYPE OF COMP	LETION:	OEEP-	aug 🗀	DIFF.	Grahama -		<u> </u>	Lambe IRM OR LEASE N	ALCE WELL NO		
WELL	OVER	EN	PLUG BACK	RESVROther			8. "		AME, WELL NO.		
			,					1E			
NAME OF OPER		0050 011		IDANY			9. AF	30-045-338	04		
ADDRESS AND	TELEPHONE NO		a GAS COM	IPANT			10. F	IELD AND POOL,			
	4289, Farming	-	7499 (50	5) 326-9700			1	Basin Dako			
				ance with any State re	quirements)*		11. 9		R BLOCK AND SURVEY		
At surface	Unit M (SWS	W) 1220' F	SL, 1125' FV	N L			- '	OR AREA			
							1	Sec.21 T31	N R10W, NMPM		
At top prod. inter	al reported belo	w Sa	ame as ab	ove							
At total depth	Same as a	ahove									
At total deput	Janie as e	above					1				
			F	4. PERMIT NO.	DATE ISSUE	D	12. 0	OUNTY OR	13. STATE		
						- (PARISH	Nove Maria			
. DATE SPUDDED	IS DATE TO	REACHED	IT, DATE CO	OMPL. (Ready to prod.)	L	18. ELEVATIONS (DF	RKR PT	San Juan	New Mexico 19. ELEV. CASINGHEAD		
				1 2/5/06		GL 6135'	KB	6150'	1.0. ELLY, CASINGFIEAD		
TOTAL DEPTH, ME			T.D., MD &TVD	22. IF MULTIPLE CO		23. INTERVALS		RY TOOLS	CABLE TOOLS		
مد دروس		7400		HOWA	IANY*	DRILLED BY	l		1		
7440		7438'	N-TOP BOTTO	M, NAME (MD AND TVD	<u>*</u>	L 	yes	25. WAS DIRECT	TIONAL		
- PRODUCTION INTO	ERVAL (3) OF THE	3 COMPLETIO	M-10F, BO110	M, MAME (MD AMD) VD	,			SURVEY MA			
Basin Dakot									No		
TYPE ELECTRIC A		RUN					27. WA	S WELL CORED	M-		
Cased hole	GRICEL							*	No		
CASING SIZE/GRADI	- I WEIGHT I	BET IO	EPTH SET (MC	CASING RECORD		Set in well) IENT, CEMENTING RE	CORD	r	MOUNT PULLED		
9 5/8"			12 1/4"	surface; 100		JORD	8 bbls				
7"	20# J-55		3146'	8 3/4"	surface; 575s			60 bbls			
41/2	11.6# J-		7440'	6 1/4"	TOC 2165' 50	5 sx (707 cf)					
		INER RECO	KU		30.		10	BING RECORD			
				· COPER (MO)	SIZE	DEDTH SE			CKED SET (MD)		
SIZE TOP (ACKS CEMENT	SCREEN (MD)	SIZE 2-3/8"	7339'			CKER SET (MD)		
SIZE TOP (MD) BOTTO	M (MD) S	SACKS CEMENT	SCREEN (MD)					CKER SET (MD)		
SIZE TOP (MD) BOTTO	M (MD) S	SACKS CEMENT	32.	2-3/8"	7339' D, SHOT, FRACTUR	T (MD)	PA NT SQUEEZE, E	тс.		
PERFORATION RE	MD) BOTTO	M (MD) S	SACKS CEMENT		2-3/8"	7339' D, SHOT, FRACTUR 10 bbls 15% HCI	T (MD)	PA NT SQUEEZE, E	тс.		
PERFORATION RE 2SPF 40' - 7367' = 2	MD) BOTTO	M (MD) S	SACKS CEMENT	32.	2-3/8"	7339' D, SHOT, FRACTUR	T (MD)	PA NT SQUEEZE, E	тс.		
PERFORATION RE (SPF 40' - 7367' = 2015)	CORD (Interval, st	M (MD) S	SACKS CEMENT	32.	2-3/8"	7339' D, SHOT, FRACTUR 10 bbls 15% HCI	T (MD)	PA NT SQUEEZE, E	тс.		
PERFORATION RE (SPF 40' - 7367' = 2015)	CORD (Interval, st	M (MD) S	SACKS CEMENT	32.	2-3/8"	7339' D, SHOT, FRACTUR 10 bbls 15% HCI	T (MD)	PA NT SQUEEZE, E	тс.		
PERFORATION RE (SPF 40' - 7367' = 2015)	CORD (Interval, st	M (MD) S	SACKS CEMENT	32.	2-3/8"	7339' D, SHOT, FRACTUR 10 bbls 15% HCI	T (MD)	PA NT SQUEEZE, E	тс.		
PERFORATION RE (SPF 40' - 7367' = 2015)	CORD (Interval, st	M (MD) S	SACKS CEMENT	32.	2-3/8"	7339' D, SHOT, FRACTUR 10 bbls 15% HCI	T (MD)	PA NT SQUEEZE, E	тс.		
PERFORATION RE (SPF 40' - 7367' = 2015)	CORD (Interval, st	M (MD) S	SACKS CEMENT	32.	2-3/8"	7339' D, SHOT, FRACTUR 10 bbls 15% HCI	T (MD)	PA NT SQUEEZE, E	тс.		
PERFORATION RE 2SPF 40' - 7367' = 2:1SPF 50' - 7330' = 3:	CORD (Interval, st. 8 holes 5 holes	M (MD) S	SACKS CEMENT	32. 7250' - 7367'	ACII	7339' D. SHOT, FRACTUF 10 bbls 15% HCI Water	T (MD)	PA NT SQUEEZE, E 0000# Sand, 2	ETC. 2333 bbis Slick		
PERFORATION RE 2SPF 40' - 7367' = 2:1SPF 50' - 7330' = 3:	CORD (Interval, st. 8 holes 5 holes	M (MD) S	SACKS CEMENT	32. 7250' - 7367' PR	ACII	7339' D. SHOT, FRACTUF 10 bbls 15% HCI Water	E, CEME. Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2	тс.		
PERFORATION RE 2SPF 40' - 7367' = 2:1SPF 50' - 7330' = 3:	CORD (Interval, st. 8 holes 5 holes	M (MD) S se and number	N METHOD (FIG	32. 7250' - 7367'	ACII ACII ODUCTION ze and type of pumi	7339' D. SHOT, FRACTUF 10 bbls 15% HCI Water	E, CEME. Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2	ETC. 2333 bbis Slick		
PERFORATION RE 2SPF 40' - 7367' = 2:1SPF 50' - 7330' = 3:	CORD (Interval, st. B holes holes	M (MD) S se and number	N METHOD (FA)	32. 7250' - 7367' PR wing, gas III, pumping-s Flowing	ACII ACII ODUCTION ze and type of pumi	7339' D. SHOT, FRACTUF 10 bbls 15% HCI Water	E, CEME. Acid, 4	NT SQUEEZE, E 0000# Sand, 2 WELL STATUS (F	etc. 1333 bbis Slick Foducing or shut-in)		
PERFORATION RE 2SPF 40' - 7367' = 20 1SPF 50' - 7330' = 30 E FIRST PRODUCTION SI E OF TEST	MD) BOTTO CORD (Interval, sc B holes holes HOURS TEST	M (MD) S se and number PRODUCTION TED CHC	N METHOD (FIG.	32. 7250' - 7367' PR wing, gas lift, pumping-s Flowing ROD'N FOR OIL-B EST PERIOD 04 b	ACII ACII ODUCTION ze and type of pumi	7339' D, SHOT, FRACTUR 10 bbls 15% HCI Water GAS-MCF 1.08 mcf	T (MD) RE, CEME Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2 WELL STATUS (F SI R-BBL .04 bbls	etc. 2333 bbis Silck Froducing or shul-in) GAS-OIL RATIO		
PERFORATION RE 2SPF 40' - 7367' = 211SPF 50' - 7330' = 311E FIRST PRODUCTION SI E OF TEST	CORD (Interval, st. B holes holes HOURS TEST	PRODUCTION TED CHC	N METHOD (PIO	32. 7250' - 7367' PR wing, gas M. pumping-s Flowing ROD'N FOR OIL-B EST PERIOD	ACII ACII ODUCTION ze and type of pum	7339' D, SHOT, FRACTUF 10 bbls 15% HCI Water	T (MD) RE, CEME Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2 WELL STATUS (F SI R-BBL .04 bbls	etc. 1333 bbis Slick Foducing or shut-in)		
PERFORATION RE SPF 40' - 7367' = 20' 1SPF 50' - 7330' = 30' E FIRST PRODUCTION SI E OF TEST 11/13/06 W. TUBING PRESS.	CORD (Interval, st. B holes hours test Casing pre	PRODUCTION TED CHC	N METHOD (FIG.	32. 7250' - 7367' PR wing, gas Mr, pumping-s Flowing ROD'N FOR OIL-B EST PERIOD OIL-BBL	ACII ODUCTION Zei and type of pumil BL GAS—MCF	7339' D, SHOT, FRACTUF 10 bbls 15% HCI Water GAS-MCF 1.08 mcf WATER-	T (MD) RE, CEME Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2 WELL STATUS (F SI R-BBL .04 bbls	etc. 2333 bbis Silck Froducing or shul-in) GAS-OIL RATIO		
PERFORATION RE SPF 10' - 7367' = 2' 1SPF 50' - 7330' = 3' 1SPF 50' - 7350'	CORD (Interval, state of the st	PRODUCTION TED CHC SSURE CAL 24-1	N METHOD (FIGURE 1) N METHOD (FIGURE 1) N METHOD (FIGURE 1) OKE SIZE PI	32. 7250' - 7367' PR wing, gas lift, pumping-s Flowing ROD'N FOR OIL-B EST PERIOD 04 b	ACII ACII ODUCTION ze and type of pumi	7339' D, SHOT, FRACTUR 10 bbls 15% HCI Water GAS-MCF 1.08 mcf	T (MD) RE, CEME Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2 WELL STATUS (F SI R-BBL .04 bbls	Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR.)		
PERFORATION RE SPF 40' - 7367' = 20' 1SPF 50' - 7330' = 30' E FIRST PRODUCTION SI E OF TEST 11/13/06 W. TUBING PRESS.	CORD (Interval, state of the st	PRODUCTION TED CHC SSURE CAL 24-1 Tuel, vented, etc.	N METHOD (FIGURE 1) N METHOD (FIGURE 1) N METHOD (FIGURE 1) OKE SIZE PI	32. 7250' - 7367' PR wing, gas Mr, pumping-s Flowing ROD'N FOR OIL-B EST PERIOD OIL-BBL	ACII ODUCTION Zei and type of pumil BL GAS—MCF	7339' D, SHOT, FRACTUF 10 bbls 15% HCI Water GAS-MCF 1.08 mcf WATER-	T (MD) RE, CEME Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2 WELL STATUS (F SI R-BBL .04 bbls	Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR.)		
PERFORATION RESPENDENCE SPF 40' - 7367' = 20 1SPF 50' - 7330' = 30 EFIRST PRODUCTION SI E OF TEST 11/13/06 W. TUBING PRESS. 1986# DISPOSITION OF G	CORD (Interval, st. B holes hours test Casing pre 1974# AS (Sold, used for To be sents	PRODUCTION TED CHC SSURE CAL 24-1 tuel, vented, ell sold	N METHOD (FIGURE 1) N METHOD (FIGURE 1) N METHOD (FIGURE 1) OKE SIZE PI	32. 7250' - 7367' PR wing, gas Mr, pumping-s Flowing ROD'N FOR OIL-B EST PERIOD OIL-BBL	ACII ODUCTION Zei and type of pumil BL GAS—MCF	7339' D, SHOT, FRACTUF 10 bbls 15% HCI Water GAS-MCF 1.08 mcf WATER-	T (MD) RE, CEME Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2 WELL STATUS (F SI R-BBL .04 bbls	Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR.)		
PERFORATION REPORT TO PERFORATION REPORT TO PERFORM TO	MD) BOTTO CORD (Interval, st. B holes holes hours test CASING PRE 1974# AS (Soll, used for To be s ENTS ne Basin Dake	PRODUCTION TED CHO SSURE CAL 24-1- Tuel, verted, et iold	N METHOD (FIG. 1) N METHOD (FIG. 1)	32. 7250' - 7367' PR wing, gas in, pumping-s Flowing ROD'N FOR EST PERIOD OIL-BBL 1 bpd	ACII ODUCTION ze and type of pum BL GAS-MCF 25.92 mcfd	7339' D. SHOT, FRACTUF 10 bbls 15% HCI Water 7) GAS-MCF 1.08 mcf WATER- 1 bwpd	T (MD) RE, CEME Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2 WELL STATUS (F SI R-BBL .04 bbls	Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR.)		
PERFORATION RESPENDENCE SPENDENCE SPENDENCE SI E FIRST PRODUCTION SI E OF TEST 11/13/06 W. TUBING PRESS. 1986# DISPOSITION OF GUILDING SI E OF ATTACHMING IS A STAND A SION OF GUILDING PRESS.	CORD (Interval, st. B holes holes hours test CASING PRE 1974# AS (Sold, used for To be sents ne Basin Dake he foregoing and a	PRODUCTION TED CHC SSURE CAL 24-1 fuel, vented, ell sold ota well. ttached informa	N METHOD (Flood) N METHOD (Flood) OKE SIZE FILE CULATED HOUR RATE C.)	32. 7250' - 7367' PR wing, gas Mr, pumping-s Flowing ROD'N FOR OIL-B EST PERIOD OIL-BBL	ACII ODUCTION ze and type of pum BL GAS-MCF 25.92 mcfd	7339' D. SHOT, FRACTUF 10 bbls 15% HCI Water 7) GAS-MCF 1.08 mcf WATER- 1 bwpd	T (MD) RE, CEME Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2 WELL STATUS (F SI R-BBL .04 bbls	Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR.)		
PERFORATION RESPE 10' - 7367' = 20' 1SPF 50' - 7330' = 30' EFIRST PRODUCTION SI E OF TEST 11/13/06 W. TUBING PRESS. 1986# DISPOSITION OF GUILDED	MD) BOTTO CORD (Interval, st. B holes holes hours test CASING PRE 1974# AS (Soll, used for To be s ENTS ne Basin Dake	PRODUCTION TED CHC SSURE CAL 24-1 fuel, vented, ell sold ota well. ttached informa	N METHOD (Flood) N METHOD (Flood) OKE SIZE FILE CULATED HOUR RATE C.)	32. 7250' - 7367' PAWING, gas iff, pumping—s Flowing ROD'N FOR EST PERIOD OIL—BBL 1 bpd and correct as determine	ACII ODUCTION ze and type of pum BL GAS—MCF 25.92 mcfd	7339' D. SHOT, FRACTUF 10 bbls 15% HCI Water 7) GAS-MCF 1.08 mcf WATER- 1 bwpd	T (MD) RE, CEME Acid, 4	PA NT SQUEEZE, E 0000# Sand, 2 WELL STATUS (F SI R-BBL .04 bbls	Producing or shul-in) IGAS-OIL RATIO OIL GRAVITY-API (CORR.)		

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

JAN U 9 2007





	Dakota	Graneros	Greenhorn	La Ventana	1	Gallin		Point Lookout	Menefee		Mesa Verde		Chacra	Huerfanito Bentonite	Lewis	Pictured Cliffs		Fruitland	Kirtland	Ojo Alamo
	7247'	7195′	7143′	XXXX	d H	6417/	1	5118'	4712'		4617'		3943′	3587′	3030′	2873′		2596′	1528′	1497'
!		7247'	7195′	XXXX	i	71437		5415'	5118'		4712'		4617′	3943′	3587′	3030′		2873′	2596'	1528′
	It to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Dk gry shale, fossil & carb w/pyrite incl.	Highly calc gry sh w/thin lmst.	Wt to lt buff to med grn sl carb bent	silts & very fine gr gry ss w/irreq.interbed sh	Lit gry to him calc cash micro class	sh breaks in lower part of formation	Med-light gry, very fine gr ss w/frequent	Med-dark gry, fine gr ss, carb sh & coal	& coal	Light gry, med-fine gr ss, carb sh	w/drk gry shale	Gry fn grn silty, glauconitic sd stone	White, waxy chalky bentonite	Shale w/siltstone stringers	Bn-Gry, fine grn, tight ss.	med gry, tight, fine gr ss.	Dk gry-gry carb sh, coal, grn silts, light-	Gry sh interbedded w/tight, gry, fine-gr ss.	White, cr-gr ss.
	. Co				Dakota	Graneros	Greenhorn	Gallup	Mancos	Point Lookout	Menefee	Mesa Verde	Chacra	Huerfanito Bent.	Lewis	Pic.Cliffs		Fruitland	Kirtland	Ojo Alamo
					7247'	7195′	7143′	6417'	5415′	5118′	4712′	4617′	3943'	3587′	3030′	2873 ') ЛОМ -	1528′	1497′