Form 3160-4 (October 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE
(See other in-
structions on

FOR APPROVED OMB NO. 1004-0137

Expires: December 31, 1991,

5. LEASE DESIGNATION AND SERIAL NO

ELL CORA					ANAGEMENI					SF-078987	_/_ /
EFF COIM	PLETIC	N OR R	ECOMP	LETI	ON REPO	ORT AND	LOGI	8	6. IF IN	IDIAN, ALLOTTEE	OR TRIBE NAME
TYPE OF WELL:		OIL	GAS X	DRY	y Caher		<del></del>				
	u CTION!					ومعراه والمعارض		1		T AGREEMENT N	
TYPE OF COMPI	VLETION:	C OEEP C	T PLUG	DIF	r o si	- Parisinto	TUN, IN	···'		Canyon Largo	
WELL	OVER	EN	BACK		SVROther _						
								7		Canyon Largo WELL NO.	Unit #82K
NAME OF OPER		DUBCES OF	L & GAS COM	ADANY	,	705		IME		30 <b>-039-2621</b> 5	
ADDRESS AND			L & GAS CON	AIT AIN I	<del>ি</del>	Ha wit	311 11	<del>- 2 ()    </del>		LD AND POOL, O	
PO Boy 4	4280 Farmi	naton NM 8	7499 (50	5) 326	-9700 \ <del>\</del>	1 Es	G 199	ia D		Ballard Picture	
LOCATION OF V	WELL (Report	location clean	y and in accords	ance wit	h any State repu	Namoura JEC	- 0 1-	1			BLOCK AND SURVEY
At surface	1460	'FSL, 1805'F	FEL		<b>~</b>		-a [	Ding	. 0	R AREA	
At top prod. inten	ovel reported t	elow			,	000 (6)	0/M6	שעש	•		
At top prod. anter	van roportos s				(	ON 6	ocit B		J		
At total depth						1	DE NO O		)	Sec. 34, T-25	-N, R-7-W
			ı	14 BC	RMIT NO.	DATE ISSUE				OUNTY OR	13. STATE
				'3. PE	AMILINU.	UNIE 133UE1	•		1	PARISH	
				<u> </u>	· ·			,	<u> </u>	Rio Arriba	New Mexico
DATE SPUDDED	16. DATE	T.D. REACHED			(Ready to prod.)		18. ELEVATION			BR, ETC.)*	19. ELEV. CASINGHEAD
10-19-99	10-2			-29-99				GR, 697		Y TOOLS	CABLE TOOLS
TOTAL DEPTH, M	D &TVD	21. PLUG, B	ACK T.D., MD &TV	VO  22	L IF MULTIPLE CO		23. INTERVA		KUIAR	1 10063	CABLE IOULS
2745'		2717							0-274	5'	<u> </u>
PRODUCTION IN	TERVAL (S) O			TOM, NA	ME (MD AND TVD	<b>)</b> °				25. WAS DIRECT	
										SURVEY MA	VDE.
2523-2575' Pi					<del></del>	·			27. WA	S WELL CORED	
TDT-CCL-GR		OGS RUN								No	
				CA	SING RECORD	(Report all string:	s set in well)				
ASING SIZE/GRAD	DE WEIG	HT, LB./FT.	DEPTH SET (	MD)	HOLE SIZE	TOP OF CE	MENT, CEMEN	ITING RECO	ORD	All	OUNT PULLED
5 1/2		15.5#	134		7 7/8	72 cu.ft.					<del></del>
2 7/8		6.5#	2728		4 3/4	486 cu.ft.	·			ļ	
						B .					
		LINER RE	CORD			30.			Τl	JBING RECORD	
SIZE TOP	P (MD) B	LINER RE	CORD SACKS CEME	NT*	SCREEN (MD)	30. SIZE		DEPTH SET			) ACKER SET (MD)
SIZE TOP	P (MD) BO			NT*	SCREEN (MD)	<del> </del>	C	DEPTH SET			
SIZE TOP		OTTOM (MD)	SACKS CEME			SIZE			(MD)	PJ	ACKER SET (MD)
SIZE TOP	RECORD (Inter	OTTOM (MD)	SACKS CEME		2.	SIZE		RACTURE	(MD) , CEME	P/ NT SQUEEZE, I	ACKER SET (MD)
SIZE TOP	RECORD (Inter	OTTOM (MD)	SACKS CEME	3.	2. DEPTH INTE	SIZE	CID, SHOT, F	RACTURE	(MD) , CEME OUNT AN	PA NT SQUEEZE, I D KIND OF MATE	ACKER SET (MD) ETC. RIAL USED
PERFORATION F	RECORD (Inter	OTTOM (MD)	SACKS CEME	3.	2.	SIZE	CID, SHOT, F	RACTURE AMO	(MD) , CEME OUNT AN	P/ NT SQUEEZE, I	ACKER SET (MD) ETC. RIAL USED
SIZE TOP	RECORD (Inter	OTTOM (MD)	SACKS CEME	3.	2. DEPTH INTE	SIZE	CID, SHOT, F	RACTURE AMO	(MD) , CEME OUNT AN	PA NT SQUEEZE, I D KIND OF MATE	ACKER SET (MD) ETC. RIAL USED
SIZE TOP	RECORD (Inter	OTTOM (MD)	SACKS CEME	3.	2. DEPTH INTE 2523-2575	SIZE ACERVAL (MD)	CID, SHOT, F	RACTURE AMO	(MD) , CEME OUNT AN	PA NT SQUEEZE, I D KIND OF MATE	ACKER SET (MD) ETC. RIAL USED
PERFORATION F 2523-2552', 2	RECORD (Inter 2572-2575'	OTTOM (MD) val, size and nul	SACKS CEME	3	2. DEPTH INTE	SIZE  AC  AC  ERVAL (MD)	466 bbl 36	RACTURE AMO	(MD) , CEME OUNT AN	PA NT SQUEEZE, I D KIND OF MATE 5,000# 20/40	ACKER SET (MD) ETC. RIAL USED
PERFORATION F 2523-2552', 2	RECORD (Inter 2572-2575'	OTTOM (MD) val, size and nul	SACKS CEME	3. 2	2. DEPTH INTE 2523-2575	SIZE  AC  AC  ERVAL (MD)	466 bbl 36	RACTURE AMO	(MD) , CEME OUNT AN	PA NT SQUEEZE, I D KIND OF MATE 5,000# 20/40	CKER SET (MD) ETC. RIAL USED Brady sd
PERFORATION F 2523-2552', 2 3. TE FIRST PRODUC	RECORD (Inter 2572-2575'	OTTOM (MD) val, size and nul	SACKS CEME	(Flowing,	2.  DEPTH INTE 2523-2575  PI gas IIII. pumping-	ACERVAL (MD)  RODUCTION Size and type of put	466 bbl 36	RACTURE AMO 0# linear SCF N2	(MD) , CEME DUNT AN gel, 17	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I	CKER SET (MD) ETC. RIAL USED Brady sd
PERFORATION F 2523-2552', 2  TE FIRST PRODUC	RECORD (Inter 2572-2575'	OTTOM (MD)  Wel, size and nut  PRODU	SACKS CEME	(Flowing,	2. DEPTH INTE 2523-2575 PI gas IIII. pumping	ACERVAL (MD)  RODUCTION Size and type of put	468 bbl 30 515,140 S	RACTURE AMO 0# linear ( SCF N2	(MD) , CEME DUNT AN gel, 17	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I	ETC. RIAL USED Brady sd
PERFORATION F 2523-2552', 2  E FIRST PRODUCTE OF TEST 11-29-99	RECORD (Inter 2572-2575'	OTTOM (MD)  Wel, size and nut  PRODU	SACKS CEME	(Flowing, lowing PROD'TEST I	2.  DEPTH INTE 2523-2575  PI gas IIII. pumping-	ACERVAL (MD)  RODUCTION Size and type of put	468 bbl 30 515,140 S	RACTURE AMO 0# linear ( SCF N2	(MD) , CEME DUNT AN GEI, 17	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I	ETC. RIAL USED Brady sd
PERFORATION F 2523-2552', 2 E FIRST PRODUC E OF TEST 11-29-99	RECORD (Inter 2572-2575' CTION HOUR: 1 SS. CASIN	PRODUI	SACKS CEME  mber)  CTION METHOD  FI  CHOKE SIZE	(Flowing, lowing PROD'TEST I	DEPTH INTE	ACERVAL (MD)  RODUCTION Size and type of pu	468 bbl 30 515,140 S	RACTURE AMC 0# linear ( SCF N2	(MD) , CEME DUNT AN GEI, 17	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I	CKER SET (MD)  ETC.  RIAL USED  Brady sd  (Producing or Shut-in)
PERFORATION F 2523-2552', 2 E FIRST PRODUCT TE OF TEST 11-29-99 W. TUBING PRES	RECORD (Inter 2572-2575' CTION HOUR: 1 SS. CASIN	PRODU	CTION METHOD ( CHOKE SIZE  CALCULATED 24-HOUR RATE	(Flowing, lowing PROD'TEST I	DEPTH INTE	ACERVAL (MD)  RODUCTION Size and type or pu	468 bbl 30 515,140 S	RACTURE AMC 0# linear ( SCF N2	(MD) , CEME DUNT AN GEI, 17	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I WELL STATUS ( SI ER-BBL	CKER SET (MD)  ETC.  RIAL USED  Brady sd  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
PERFORATION F 2523-2552', 2  TE FIRST PRODUCT TE OF TEST 11-29-99 W. TUBING PRES	RECORD (Inter 2572-2575' CTION HOUR: 1 SS. CASIN SI GAS (SOIG, U	PRODUIS TESTED  G PRESSURE  58  58  58  50  50  50  50  50  50  50	CTION METHOD ( CHOKE SIZE  CALCULATED 24-HOUR RATE	(Flowing, lowing PROD'TEST I	DEPTH INTE	ACERVAL (MD)  RODUCTION Size and type of pu	468 bbl 30 515,140 S	RACTURE AMC 0# linear ( SCF N2	(MD) , CEME DUNT AN GEI, 17	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I	CKER SET (MD)  ETC.  RIAL USED  Brady sd  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
PERFORATION F 2523-2552', 2 3. TE FIRST PRODUCT TE OF TEST 11-29-99 DW. TUBING PRES 4. DISPOSITION OF	RECORD (Inter 2572-2575' CTION HOUR: 1 SS. CASIN SI (SOID, U	PRODU	CTION METHOD ( CHOKE SIZE  CALCULATED 24-HOUR RATE	(Flowing, lowing PROD'TEST I	DEPTH INTE	ACERVAL (MD)  RODUCTION Size and type of pu	468 bbl 30 515,140 S	RACTURE AMC 0# linear ( SCF N2	(MD) , CEME DUNT AN GEI, 17	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I WELL STATUS ( SI ER-BBL	CKER SET (MD)  ETC.  RIAL USED  Brady sd  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
PERFORATION F 2523-2552', 2 3. TE FIRST PRODUCT TE OF TEST 11-29-99 OW. TUBING PRES 4. DISPOSITION OF	RECORD (Inter 2572-2575' CTION HOUR: 1 SS. CASIN SI SOF GAS (SOIG, U	PRODUING PRESSURE Sea for rue, ven be sold	CTION METHOD ( FI CHOKE SIZE  CALCULATED 24-HOUR RATE 160, 61C.)	(Flowing, lowing PROD'TEST I	2. DEPTH INTE 2523-2575  PI gas IIII. Pumping— IN FOR OIL—I PERIOD ————————————————————————————————————	ACERVAL (MD)  RODUCTION Size and type of pl  GAS-MCF  645 MCF/D	(ID, SHOT, F 466 bbl 3 515,140 S (ID) GAS-MCF 645 MCF	RACTURE AMC 0# linear ( SCF N2	(MD) , CEME DUNT AN GEI, 17	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I WELL STATUS ( SI ER-BBL	CKER SET (MD)  ETC.  RIAL USED  Brady sd  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
PERFORATION F 2523-2552', 2  3. TE FIRST PRODUC TE OF TEST 11-29-99 OW. TUBING PRES 4. DISPOSITION OF	RECORD (Inter 2572-2575' CTION HOUR: 1 SS. CASIN SI SOF GAS (SOIG, U	PRODUING PRESSURE Sea for rue, ven be sold	CTION METHOD ( FI CHOKE SIZE  CALCULATED 24-HOUR RATE 160, 61C.)	(Flowing, lowing PROD'TEST I	DEPTH INTE	ACERVAL (MD)  RODUCTION Size and type of pl  GAS-MCF  645 MCF/D	(ID, SHOT, F 466 bbl 3 515,140 S (ID) GAS-MCF 645 MCF	RACTURE AMC 0# linear ( SCF N2	(MD) , CEME DUNT AN GEI, 17	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I WELL STATUS ( SI ER-BBL	CKER SET (MD)  ETC.  RIAL USED  Brady sd  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
PERFORATION F 2523-2552', 2  TE FIRST PRODUCT TE OF TEST 11-29-99 TW. TUBING PRES TO DISPOSITION OF	RECORD (Inter 2572-2575' CTION HOUR: 1 SS. CASIN SI SOF GAS (SOIG, U	PRODUI S TESTED  G PRESSURE  58  58  50  To rue, ven  be sold	CTION METHOD ( FI CHOKE SIZE  CALCULATED 24-HOUR RATE 160, 61C.)	(Flowing, lowing PROD'TEST I	2. DEPTH INTE 2523-2575  PI gas IIII. Pumping— IN FOR OIL—I PERIOD ————————————————————————————————————	ACERVAL (MD)  RODUCTION Size and type of pl  GAS-MCF  645 MCF/D	(ID, SHOT, F 466 bbl 3 515,140 S (ID) GAS-MCF 645 MCF	RACTURE AMC 0# linear ( SCF N2	(MD)  , CEME SUNT AN gel, 17  WAT jauge BL	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I  WELL STATUS SI ER-BBL	CKER SET (MD)  ETC.  RIAL USED  Brady sd  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)
PERFORATION F 2523-2552', 2  TE FIRST PRODUCT TE OF TEST 11-29-99 TW. TUBING PRES TO DISPOSITION OF	RECORD (Inter 2572-2575' CTION HOUR: 1 SS. CASIN SI SOF GAS (SOIG, U	PRODUING PRESSURE Sea for rue, ven be sold	CTION METHOD  FI  CHOKE SIZE  CALCULATED  24-HOUR RATE  24-HOUR RATE  add, etc.)	(Flowing, lowing PROD'TEST I	2. DEPTH INTE 2523-2575  PI gas IIII. Pumping— IN FOR OIL—I PERIOD ————————————————————————————————————	ACERVAL (MD)  RODUCTION Size and type of pt.  GAS-MCF  645 MCF/D	(ID, SHOT, F 466 bbl 3 515,140 S (ID) GAS-MCF 645 MCF	RACTURE AMC 0# linear ( SCF N2	(MD)  , CEME SUNT AN gel, 17  WAT jauge BL	NT SQUEEZE, I D KIND OF MATE 5,000# 20/40 I  WELL STATUS SI ER-BBL  TEST WITNESS	CKER SET (MD)  ETC.  RIAL USED  Brady sd  (Producing or shut-in)  GAS-OIL RATIO  OIL GRAVITY-API (CORR.)

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.

DEC 0 3 1999

Dk gry-gry carb sh, coal, grn sil med gry, tight, fine gr ss.  Cliffs 2522' 2745' Bn-Gry, fine grn, tight ss.	0 1859' 2005'	Cr-gr ss. interbedded w/tight, grv.	N > K R
Dk gry-gry carb sh, coal, grn silts, light— Kirtland med gry, tight, fine gr ss. Kirtland Fruitland Bn-Gry, fine grn, tight ss. Pic.Cliffs	Kirtland 2005' 2257' G1	Gry sh interbedded w/tight, gry, fine-gr ss.	
2522' 2745' Bn-Gry, fine grn, tight ss. Pic.Cliffs	2257' 2522'	sh, coal, grn silts, fine gr ss.	Ojo Alamo Kirtland
	2522' 2745'	Bn-Gry, fine grn, tight ss.	Fruittand Pic.Cliffs