Form 3160-4 (November 1983) (formerly 9-330)

UNITED STATES

SUBMIT IN DUPLICATE.

Form approved.

DEPARTMENT	OF	THE	INTERIOR
			CHICKIT

(See other Instructions on reverse side)

		lget Bureau pires August			137
5	LEASE	DESIGNATION	AND	SERIAL	NO.

WELL COM	APLETION OR	RECOMP	LETION R	EPORT AN	D'LOG*	6. IP INDIAN.	ALLOTTEE OR TRIBE NAME
Is. TYPE OF WELL	OIL WRELL	GAS WELL	DRY (ther APR	07 1986	7. UNIT AGREE	MENT NAMB
b. TYPE OF COMPI	LETION:	PI FG	DIFF.	DIDEAL SEL	ND 1441405115	NIES FARM UR LI	FASE NAMB
wert, 🔼 🕠	OVER L EV L	вуск 🗀	RESVE	FARMINGTON	RESOURCE ARE		Leeson Ranch
2. NAME OF OPERATOR	nd Gas Compan	v. Divisio	on of Atla			9. WELL NO.	
3. ADDRESS OF UPERA	TOR						Gardner #1
P. O. Box	1610, Midland	, TX 7970	02			1	POOL, OR WILDCAT
At surface 720	FSL, 930 F	EL, Sec.	27, TWP 25	SN, Rge 3W	te) =	W. Lindi	rith-Gallop/Dakota . м., он вьоск амо винуву
At top prod. Inter	rval reported below	Same		1		27-25N-	3W
At total depth	Same						
			14. PERMIT NO.		1851 ED	12. COUNTY OF	
		<u>_</u>	30 -039-23		29, 1985	TIU ALI	iba NM 19. BLEV. CASINGHEAD
5. DATE SPUDDED	16. DATE T.D. REACHE		MPL. (Ready to		VATIONE (DF. RKE 227 GL	S. RT, GR. ETC.)*	7227
11-23-85 0. TOTAL DEPTH, MD 4	12-17-85	2-18 K T.D., MD & TVD	1 22. IF MULT	IPLE COMPL.	23. INTERVALS		
8135	8100	1	HOW NA	ANT.	DRILLED B	10-8135 TD	
4. PRODUCING INTERV	AL(S). OF THIS COMPL	ETION-TOP, BO		D AND TVD)*	MROS	7 ~	25. WAS DIRECTIONAL SURVEY MADE
Dakota "C"	8024-8042	U. Gallu	p 6956	-7066 🎉			No
L. Gallup	7120-7224				45		27. WAS WELL CORBO
OD EDG CAL			CBL		$-$ epg $_{I,\odot}$	Jana	No
	, GR-DIL-CAL,			ort all strings set	in well)	<u> </u>	
CABING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD) Hot	E SIZE	CEMENTIS	G RECORD	AMOUNT PULLED
	36#	496		-1/4		G RECORD	O O
CASING SIZE	·		12	-1/4	CEMENTIN		
9-5/8	36#	496	12	-1/4	320 SX		0
9-5/8 5-1/2	36# 23#	496 8135	12	-1/4	320 SX		0 0
9-5/8 5-1/2	36# 23# LINE	496 8135 R RECORD	12	-1/4	320 SX 1552 SX 3	-stage	0 0
9-5/8 5-1/2	36# 23# LINE	496 8135 R RECORD	12	-1/4	320 SX 1552 SX 3-	-stage TUBING RECO	0 0
9-5/8 5-1/2	36# 23# LINE	496 8135 R RECORD	12	-1/4 -3/4 .	320 SX 1552 SX 3- 30. size 2-7/8	TUBING RECO	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 0.0000000000000000000000000000000000	36# 23# LINE TOP (MD) BOTT	A96 8135 R RECORD TOM (MD) SA	12 8	-1/4 -3/4	320 SX 1552 SX 3- 30. 812E 2-7/8 CID. SHOT. FRA	TUBING RECO PEPTH SET (MI 6955	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 BIZE NONE 1. PERFORATION RECO	36# 23# LINE TOP (MD) BOTT ORD (Interval, size and 8042-8024 18	496 8135 R RECORD FOM (MD) SA 4 number) 339" h	12 8	-1/4 -3/4	320 SX 1552 SX 3- 30. 812E 2-7/8 CID. SHOT. FRA	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 B. SIZE NONE Dakota "C" L. Gallup	36# 23# LINE TOP (MD) BOTT	496 8135 R RECORD FOM (MD) SA 339" h	12 8 cks cement*	-1/4 -3/4 . SCREEN (MD) 82. A DEPTH INTERV 8042-802	320 SX 1552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT AMOUNT AND KINI 5% HCL & 71,1	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 B. SIZE NONE Dakota "C" L. Gallup	36# 23# LINE TOP (MD) BOTT 08D (Interval, size and 8042-8024 18 7120-7224 27	496 8135 R RECORD FOM (MD) SA 339" h	12 8 cks cement*	SCREEN (MD) 82. A DEPTH INTERV 8042-802 7120-722	320 SX 1552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT AMOUNT AND KINI 5% HCL & 71,1 3% HCL & 124,	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 9. BIZE NONE Dakota "C" L. Gallup	36# 23# LINE TOP (MD) BOTT 08D (Interval, size and 8042-8024 18 7120-7224 27	496 8135 R RECORD FOM (MD) SA 339" h	12 8 cks cement*	SCREEN (MD) 82. A DEPTH INTERV 8042-802 7120-722	320 SX 1552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT AMOUNT AND KINI 5% HCL & 71,1 3% HCL & 124,	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 9. PERPORATION RECU Dakota "C" L. Gallup U. Gallup	36# 23# LINE TOP (MD) BOTT 8042-8024 18 7120-7224 27 6956-7066 34	496 8135 R RECORD FOM (MD) SA 339" h 739" h 439" h	12 8 cks cement* noles noles noles	-1/4 -3/4 -3/4 -3/4 -3/4 -3/4 -3/4 -3/4 -3	320 SX 1552 SX 3- 30. 81ZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT AMOUNT AND KIN 5% HCL & 71,1 3% HCL & 124,	0 0 0 None SQUEEZE ETC. DOF MATERIAL USED 70 gal Gel W/116,600# 278 gal gel W/172,400# 30 gal gel W/92,500# S
9-5/8 5-1/2 9. PERPORATION RECU Dakota "C" L. Gallup U. Gallup	36# 23# LINE TOP (MD) BOTT 8042-8024 18 7120-7224 27 6956-7066 34	496 8135 R RECORD FOM (MD) SA 739" h 739" h 439" h	12 8 cks cement* noles noles noles	-1/4 -3/4 -3/4 -3/4 -3/4 -3/4 -3/4 -3/4 -3	320 SX 1552 SX 3- 30. 81ZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT AMOUNT AND KIN 5% HCL & 71,1 3% HCL & 124, 5% HCL & 93,0	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 B. BIZE NONE 1. PERFORATION RECU Dakota "C" L. Gallup U. Gallup U. Gallup	36# 23# LINE TOP (MD) BOTT 8042-8024 18 7120-7224 27 6956-7066 34	496 8135 R RECORD FOM (MD) SA 339" h 739" h 439" h	12 8 cks cement* noles noles noles	-1/4 -3/4 -3/4 -3/4 -3/4 -3/4 -3/4 -3/4 -3	320 SX 1552 SX 3- 30. 81ZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT AMOUNT AND KIN 5% HCL & 71,1 3% HCL & 124, 5% HCL & 93,0	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 9. PERPORATION RECCUBATION RECCUBATION TO THE PERPORATION OF THE PRODUCTION OF THE PERPORATION	36# 23# LINE TOP (MD) BOTT 8042-8024 18 7120-7224 27 6956-7066 34	496 8135 R RECORD FOM (MD) 8A 4 number) 339" 1 439" 1 N METHOD (Flow	noles noles noles noles noles noles	SCREEN (MD) SCREEN (MD) S	320 SX 1552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT AMOUNT AND KINI 5% HCL & 71,1 3% HCL & 124,	O O O O O O O O O O O O O O O O O O O
PERFORATION RECU Dakota "C" L. Gallup U. Gallup U. Gallup 3.* ATB FIRST PRODUCTS 2-18-86 ATB OF TSST 3-13-86	36# 23# LINE TOP (MD) BOTT 8042-8024 18 7120-7224 27 6956-7066 34 ON PRODUCTION HOURS TESTED 24 CASING PRESSURE	496 8135 R RECORD RM (MD) SA 1	noles noles noles roles proing, gas lift, p	SCREEN (MD) 32. A DEPTH INTERV 8042-802 7120-722 6956-706 DICCTION Hamping—size and	320 SX 320 SX 3552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1 type of pump) GAS-MCV. 594	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT AMOUNT AND KINI 5% HCL & 71,1 3% HCL & 124, 5% HCL & 93,0 WELL AND PYC WATER—BBL 7	O O O O O O O O O O O O O O O O O O O
PERFORATION RECUDENCE DAKOTA "C" L. Gallup U. Gallup U. Gallup U. Gallup 3.* ATB FIRST PRODUCTION 2-18-86 ATB OF TEST 3-13-86 LOW. TURNO PRESS. 275	36# 23# LINE TOP (MD) BOTT 8042-8024 18 7120-7224 27 6956-7066 34 HOURS TESTED 24 CASING PRESSURE 275	496 8135 R RECORD TOM (MD) SA # number) 339" 1 739" 1 439" 1 N METHOD (Flow Flowing CHOKE SIZE CALCULATED 24-HOUR RATE	TROIPES PROD'N. FOR TEST PERIOD	32. A	320 SX 320 SX 3552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1 type of pump) GAS-MCF. 594	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT AMOUNT AND KINI 5% HCL & 71,1 3% HCL & 124, 5% HCL & 93,0 WELL ShuiPro WATER—BBL 7 LR—-HBL. 7	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 PERFORATION RECONSTRUCTION OF GALL OF THE TENT PRODUCTION OF GALL OF THE TENT	36# 23# LINE TOP (MD) BOTT 08D (Interval, size and 8042-8024 18 7120-7224 27 6956-7066 34 6956	496 8135 R RECORD TOM (MD) SA # number) 339" 1 739" 1 439" 1 N METHOD (Flow Flowing CHOKE SIZE CALCULATED 24-HOUR RATE	TROIPS PROD'N. FOR TEST PERIOD OIL.—BBL.	32. A DEPTH INTERV 8042-802 7120-722 6956-706 DI'CTION Hamping—size and OIL—BBL. 81 GAB—MCS	320 SX 320 SX 3552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1 type of pump) GAS-MCF. 594	TUBING RECO DEPTH SET (ME 6955 CTURE, CEMENT AMOUNT AND KINE 5% HCL & 71,1 3% HCL & 124, 5% HCL & 93,0 WELL SAW, Pro WATER—BBL 7 LRHBL. 7	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 9. 8. NONE NONE 1. PERFORATION RECO Dakota "C" L. Gallup U. Gallup U. Gallup 3.* ATE FIRST PRODUCTS 2-18-86 ATE OF TEST 3-13-86 TOWN TURNO PRESS. 275 Vented	36# 23# LINE TOP (MD) BOTT 8042-8024 18 7120-7224 27 6956-7066 34 ION PRODUCTION HOURS TESTED 24 CASING PRESSURE 275 AS (Sold, used for fuel,	496 8135 R RECORD TOM (MD) SA # number) 339" 1 739" 1 439" 1 N METHOD (Flow Flowing CHOKE SIZE CALCULATED 24-HOUR RATE	TROIPS PROD'N. FOR TEST PERIOD OIL.—BBL.	32. A DEPTH INTERV 8042-802 7120-722 6956-706 DI'CTION Hamping—size and OIL—BBL. 81 GAB—MCS	320 SX 320 SX 3552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1 type of pump) GAS-MCF. 594	TUBING RECO DEPTH SET (MI 6955 CTURE, CEMENT AMOUNT AND KINI 5% HCL & 71,1 3% HCL & 124, 5% HCL & 93,0 WELL SAMP Pro WATER—BBL 7 TEST WITNES BODDY WG	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 9. 8128 NONE 11. PERFORATION RECO Dakota "C" L. Gallup U. Gallup U. Gallup 33.* PATE FIRST PRODUCTS 2-18-86 PATE OF TEST 3-13-86 PLOW. TUBING PROSS. 275 34. DISPOSITION OF GALLE OF ATTACHS	36# 23# LINE TOP (MD) BOTT 8042-8024 18 7120-7224 27 6956-7066 34 ION PRODUCTION HOURS TESTED 24 CASING PRESSURE 275 AS (Sold, used for fuel,	496 8135 R RECORD FOM (MD) SA F Number) 339" F 739" F 139" F 139" F 2439" F CALCULATED CHOKE SIZE Vented, etc.)	TROIPS PROD'N. FOR TEST PERIOD OIL.—BBL.	32. A DEPTH INTERV 8042-802 7120-722 6956-706 DI'CTION Hamping—size and OIL—BBL. 81 GAB—MCS	320 SX 320 SX 3552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1 type of pump) GAS-MCF. 594	TUBING RECO DEPTH SET (ME 6955 CTURE, CEMENT AMOUNT AND KINE 5% HCL & 71,1 3% HCL & 124, 5% HCL & 93,0 WELL SAW, Pro WATER—BBL 7 LRHBL. 7	O O O O O O O O O O O O O O O O O O O
P-5/8 5-1/2 P-5/8 5-1/2 P-5/8 5-1/2 P-5/8 5-1/2 P-5/8 NONE 1. PERFORATION RECOUNTS Dakota "C" L. Gallup U. Gallup U. Gallup U. Gallup 1. Gallup U. Gallup 2-18-86 PATE OF TEST 3-13-86 FLOW. TURING PRISES. 275 34. DISPOSITION OF GALLES Vented 35. LIST OF ATTACHS LOGS AS	36# 23# LINE TOP (MD) BOTT 8042-8024 18 7120-7224 27 6956-7066 34 ION PRODUCTION HOURS TESTED 24 CASING PRESSURE 275 AS (Sold, used for fuel,	496 8135 R RECORD ROM (MD) SA SANABER 339" F 739" F 439" F N METHOD (Flow Flowing CHOKE SIZE Vented, etc.) Item #26.	PROD'N. FOR TEST PERIOD OIL.—BBL. 81	SCREEN (MD) 32. A DEPTH INTERV 8042-802 7120-722 6956-706 OIL—BBL. 81 GAB—MCS 594	320 SX 320 SX 3552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1 Expe of pump) GAS-MCV 594	TUBING RECO DEPTH SET (ME 6955 CTURE, CEMENT AMOUNT AND KING 5% HCL & 71,1 3% HCL & 124, 5% HCL & 93,0 WELL SAW Pro WATER—SEL 7 LEST WITNES BODBY WA	O O O O O O O O O O O O O O O O O O O
9-5/8 5-1/2 P9. BIZE NONE The perforation reconstruction of the perforation reconstruction of the perforation of the performance of the perforation of the perfor	36# 23# LINE TOP (MD) BOTT 8042-8024 18 7120-7224 27 6956-7066 34 ON PRODUCTION HOURS TESTED 24 CASING PRESSURE 275 AS (Sold, used for fuel, ments 100	496 8135 R RECORD ROM (MD) SA SANABER 339" F 739" F 439" F N METHOD (Flow Flowing CHOKE SIZE Vented, etc.) Item #26.	PROD'N. FOR TEST PERIOD OIL.—BBL. 81	SCREEN (MD) 32. A DEPTH INTERV 8042-802 7120-722 6956-706 OIL—BBL. 81 GAB—MCS 594	320 SX 320 SX 3552 SX 3- 30. SIZE 2-7/8 CID. SHOT. FRA AL (MD) 4 2000 gal 1 4 3000 gal 1 6 3500 gal 1 Expe of pump) GAS-MCV 594	TUBING RECO DEPTH SET (ME 6955 CTURE, CEMENT AMOUNT AND KING 5% HCL & 71,1 3% HCL & 124, 5% HCL & 93,0 WELL SAW Pro WATER—SEL 7 LEST WITNES BODBY WA	O O O O O O O O O O O O O O O O O O O

				Dakota	Gallup	Mesaverde	Pictured Cliffs		FORMATION	drill-stem, tests, increcoveries):
				7900'	6824'	5282'	3594'		TOP	cluding depth in
				8094'	7454'	5934'	3730		BOTTOM	lerval tested, cu
			ı n	Medium to coarse grained, poorly cemented	Silty, shaly, calcareous, glauconitic, tight sandstones. Hydrocarbon shows throughout.	Carbonaceous shales interbedded with glauconitic sandstones. Very minor hydrocarbon shows.	Calcareous, carbonaceous sandstone, no hydrocarbon shows.		DESCRIPTION, CONTENTS, ETC.	drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and all recoveries):
Dakota	Base Greenhorn	Gallup	Mancos	Mesaverde	Pictured Cliffs	Kirtland- Fruitland	Ojo Alamo			38. GEOL
7900'	7855'	6824'	5934'	5282'		3446'	3310'	MEAS, DEPTH	T.	GEOLOGIC MARKERS
=	=	=	Ξ	=	=	=	Same as meas. depth.	VERT. DEPTH	TOP	

DEVIATION TESTS

<u>DEPTH</u>	DEGREES	DEPTH	DEGREES	RECEIVED
110'	1/2°	3525'	1°	MEDETALD
310'	3/4°	3712'	ī°	100c
498 ¹	3/4°	3896'	ī•	APR 07 1986
825'	1 •	4371'	1-1/4°BUR	EAU OF LAND MANAGEMENT
1131'	1-1/2°	4633'	1-1/4° FAF	RMINGTON RESOURCE AREA
1225'	1-3/4°	5032 '	1°	TODORCE AREA
1315'	1-1/4°	5369'	1°	
1408 '	1 °	5861'	3/4°	
1716	1-1/4°	6165'	3/4°	
2025	1-1/4°	6487 *	1°	
2056'	1-1/2°	6868'	1 °	
2365'	1-1/2°	7323'	1°	
2669'	1 °	7830 '	1 °	
2914'	1 °	8130'	3/4°	
3216'	1 °		-•	

AFFIDAVIT

This is to certify that to the best of my knowledge the above tabutation details the deviation tests taken on ARCO Oil and Gas Company, Division of Atlantic Richfield Company's Gardner #1 well, West Lindrith - Gallup/Dakota Field, 720' FSL & 930' FEL, Section 27-25N-3W, Rio Arriba County, New Mexico.

2-19.86	_	K. F. Flein			
Date		K.L. Flinn Drilling Analyst			
State of Colorado)		APRIATES LL			
County of Denver)	SS	Div.			

Before me, the undersigned authority, on this day personally appeared, K.L. Flinn, known to me to be the Drilling Analyst for ARCO 0il and Gas Company, Division of Atlantic Richfield Company, and to be the person whose name is subscribed to the above statement, who, being duly sworn on oath, states that she has knowledge of the facts stated herein, and that said statement is true and correct.

Subscribed and sworn to before me, a Notary Public in and for said County and State this 19th day of February, 1986.

My commission expires:

My Commission Expires Nov. 4, 1988