Form 3160-4 (November 1983)

LINITED STATES

SUBMIT IN DUPLICATE.

Form approved. Budget Bureau No. 1004-0137

				ND MANA					SF-078		TEE OR TRIBE NAME
WELL CO	MPLETION	I OR R	RECO	MPLETI	ION R	EPORT A	ND LO	G *	U. IA IADIAA	, ALLOI	IND OR TRIBE NAME
ia. TYPE OF WEL	LL: on	i.L X	GAS WELL	DE	RY (ther			7. UNIT AGRI	EEMENT	NAME
b. TYPE OF COM							F -			. •	
WELL X	OVER EN	EP-	BACK	DIFF	vr. C	Other			S. FARM OR	LEASE !	NAME
2. NAME OF OPERAT	ron		 -						Grace	Fed	deral /9
annon Ener		porat	e d						9. WELL NO.		
3. ADDRESS OF OPE						_	==0.4	_	2		
934 F.M. 1											OR WILDCAT
At surface nit E, 181	•	25' F			u	orano regiant	,		11. SEC., T., OR AREA	R., М., О	Gallup & BERNER BLOCK AND SURVEY
At total depth									sec.	19-1	LZ3N-KOW
				14. PEF	RMIT NO.	D	ATE ISSUED		12. COUNTY (O B.	13. STATE
				,	43-20				Sandov		MM
5. DATE SPUDDED	16. DATE T.D.	· ·		•	Ready to	prod.) 18.			RT, GR, ETC.)*	19. E	LEV. CASINGHEAD
/11/90	9/20/9			/4/90	-;= ;;=	IN D. COMP.	6 971 1		6947	<u> </u>	
O. TOTAL DEPTH, MD	j	O MD	D., MD &	TVD 22.	HOW MA	IPLE COMPL.,	23. INT	ERVALS LLED BY	ROTARY TOO	LSI İ	CABLE TOOLS
700 MD		O MD	ON—TO	P. BOTTOM	N/A	AND TVD)*		→	X		WAS DIRECTIONAL
5270' Top				.,		·-,				20.	SURVEY MADE YES
5474' Bot											TEO
3. TYPE ELECTRIC		RUN							1	27. ₩▲	S WELL CORED
mpensated	Density									NO)
	Density		CAS	ING RECO	RD (Repor	rt all strings t	et in well)			N C)
	Density			ING RECO		rt all strings t		MENTING	RECORD	N (AMOUNT PULLED
		/ FT . DI		ST (MD)	HOLE				RECORD B	-	
CASINO SIZE	WEIGHT, LB.	/FT. DI	EPTH S	ET (MD)	HOLE	SIZE	250 sl	ks. "	B" 5/35 po		AMOUNT PULLED
8. CABINO SIZE 8 5/8"	weight, lb.	/FT. DI	ветн si	ET (MD)	HOLE	2 1/4"	250 sl	ks. "	В"		AMOUNT PULLED N/A
CASINO SIZE 8 5/8" 4 1/2"	weight, lb.	/ FT . Di	328' 684'	ET (MD)	HOLE	2 1/4"	250 sl 650 sl x 250	ks. " ks. 6 sks.	B" 5/35 po 50/50	z poz	AMOUNT PULLED N/A
8. CABINO SIZE 8 5 / 8 " 4 1 / 2 "	23# 11.6#	/FT. DI	328 ' 684 '	ET (MD)	1	2 1/4" 7 7/8"	250 sl 650 sl x 250	ss. 6	B" 5/35 po 50/50	z poz	N/A N/A
CASINO SIZE 8 5 / 8 !! 4 1 / 2 !!	weight, lb.	/ FT . Di	328 ' 684 '	ET (MD)	1	2 1/4"	250 sl 650 sl x 250	ks. " ks. 6 sks.	B" 5/35 po 50/50 TUBING RECO	z poz	AMOUNT PULLED N/A N/A PACKER SET (MD)
CASINO SIZE 8 5/8" 4 1/2"	23# 11.6#	/FT. DI	328 ' 684 '	ET (MD)	1	2 1/4" 7 7/8"	250 sl 650 sl x 250	ss. 6	B" 5/35 po 50/50	z poz	N/A N/A
8 5/8" 4 1/2" 8 8/8" 4 1/2"	WEIGHT, LB. 23# 11.6#	/FT. DI	328 ' 684 ' 684 ' (MD)	ET (MD)	1	2 1/4" 7 7/8"	250 sl 650 sl x 250	sks. 13/8	B" 5/35 po 50/50 TUBING RECO	Z POZ PRD	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A
8. CASINO SIZE 8 5 / 8 " 4 1 / 2 " 9. SIZE N / A	WEIGHT, LB. 23# 11.6#	/FT. DI	328 ' 684 ' 684 ' (MD)	ET (MD)	1	2 1/4" 7 7/8" SCREEN (MD)	250 sl 650 sl x 250 30. size 2 3	sks. 3/8	B" 5/35 po 50/50 TUBING RECO	Z POZ PRD	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE, ETC.
CASINO SIZE 8 5/8" 4 1/2" B. BIZE N/A	WEIGHT, LB. 23# 11.6# TOP (MD)	LINER R BOTTOM	328 ' 684 ' 684 ' (MD)	ET (MD)	HOLE 1	2 1/4" 7 7/8" SCREEN (MD)	250 sl 650 sl x 250 30. SIZE 2 3	sks. 11 3/8	B" 5/35 po 50/50 TUBING RECO DEPTH SET (M 5340 URE, CEMENT	Z POZ DRD D) C SQUE	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE, ETC.
8. CABINO SIZE 8 5 / 8 " 4 1 / 2 " 9. BIZE N / A 1. PERFORATION REC 5 3 8 4 - 9 2 5 4 7 2 - 7 4 5 4 4 2 - 4 4	WEIGHT, LB. 23# 11.6# TOP (MD) CORD (Interval, s 4 JS	LINER R BOTTOM	328 ' 684 ' 684 ' (MD)	ET (MD)	HOLE 1	2 1 / 4 " 7 7 / 8 " SCREEN (MD) 32. DEPTH INTE	250 sl 650 sl x 250 30. SIZE 2 3	sks. 11 3/8	B" 5/35 po 50/50 TUBING RECO DEPTH SET (M 5340 URE, CEMENT	Z POZ DRD D) C SQUE	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE, ETC.
8. CABINO SIZE 8 5 / 8 " 4 1 / 2 " 9. BIZE N / A 1. PERFORATION REC 5 3 8 4 - 9 2 5 4 7 2 - 7 4	WEIGHT, LB. 23# 11.6# TOP (MD) CORD (Interval, s 4 JS	LINER R BOTTOM	328 ' 684 ' 684 ' (MD)	ET (MD)	HOLE 1	2 1 / 4 " 7 7 / 8 " SCREEN (MD) 32. DEPTH INTE	250 sl 650 sl x 250 30. SIZE 2 3	sks.	B" 5/35 po 50/50 TUBING RECO DEPTH SET (M 5340 URE, CEMENT	Z POZ DRD D) C SQUE	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE, ETC.
8. CABINO SIZE 8 5/8" 4 1/2" 9. BIZE N/A 1. PERFORATION REC 5384-92 5472-74 5442-44 5270-72	WEIGHT, LB. 23# 11.6# TOP (MD) CORD (Interval, s 4 JS	LINER R BOTTOM	328 ' 684 ' 684 ' (MD)	ET (MD)	HOLE 1	2 1/4" 7 7/8" SCREEN (MD) 32. DEPTH INTE 5270-54	250 sl 650 sl x 250 30. SIZE 2 3	sks.	B" 5/35 po 50/50 TUBING RECO DEPTH SET (M 5340 URE, CEMENT	Z POZ DRD D) C SQUE	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE, ETC.
8. CASINO SIZE 8 5/8" 4 1/2" 9. SIZE N/A 1. PERFORATION REC 5384-92 5472-74 5442-44 5270-72	WEIGHT, LB. 23# 11.6# TOP (MD) CORD (Interval, s 4 JS 2 JS	LINER R BOTTOM ize and nu PF PF	328 1684 1684 1684 1684 1684 1684 1684 168	SACKS CE	HOLE 1 MENT* PRODU	2 1 / 4 " 7 7 / 8 " SCREEN (MD) 32. DEPTH INTE 5 2 7 0 - 5 4	250 sl 650 sl x 250 30. size 2 3 ACID. SHOT	8 / 8 1 1 1 1 1 1 1 1 1	B" 55/35 po 50/50 TUBING RECO DEPTH SET (M 5340 URE. CEMENT OUNT AND KINI 000# 20	z poz poz po z po z poz po z poz poz poz	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE, ETC. ATERIAL USED S d x N2 F o
S. CASINO SIZE 8 5/8" 4 1/2" 9. SIZE N/A 1. PERFORATION REC 5384-92 5472-74 5442-44 5270-72 3.* ATE FIRST PRODUCT:	WEIGHT, LB. 23# 11.6# TOP (MD) CORD (Interval, s 4 JS 2 JS	LINER R BOTTOM ize and nu PF PF	328 1 684 1 684 1 EECORD (MD)	SACKS CE	HOLE 1 MENT* PRODU	2 1/4" 7 7/8" SCREEN (MD) 32. DEPTH INTE 5270-54	250 sl 650 sl x 250 30. size 2 3 ACID. SHOT	8 / 8 1 1 1 1 1 1 1 1 1	B" 5/35 po 50/50 TUBING RECO DEPTH SET (M 5340 URE, CEMENT OUNT AND KING	PRD D) T SQUE 7 40	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE, ETC. ATERIAL USED S d x N2 F o
8. CASINO SIZE 8 5/8" 4 1/2" 9. SIZE N/A 1. PERFORATION REC 5384-92 5472-74 5442-44 5270-72 3.* ATE FIRST PRODUCT: 10/4/90	WEIGHT, LB. 23# 11.6# TOP (MD) CORD (Interval, s 4 JS 2 JS	LINER R BOTTOM PF PF UCTION ME	328 1 684 1 684 1 EECORD (MD)	SACKS CE	PRODU	2 1 / 4 " 7 7 / 8 " SCREEN (MD) 32. DEPTH INTE 5 2 7 0 - 5 4	250 sl 650 sl x 250 30. size 2 3 ACID. SHOT	(S. " (S. 6 Sks. 3/8 . FRACT AM 100,	B" 5/35 po 50/50 TUBING RECO DEPTH SET (M 5340 URE, CEMENT OUNT AND KING	PRD PO Z PRD PO STATUS P-in) O d u c	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE, ETC. ATERIAL USED S d x N2 F o
8 5/8" 4 1/2" 9. 81ZE N/A 1. PERFORATION REC 5384-92 5472-74 5442-44 5270-72	TOP (MD) CORD (Interval, s 4 JS 2 JS	LINER R BOTTOM PF PF UCTION ME Un ger	EPTH SI 328' 684' EECORD (MD) EMber)	SACKS CE	PRODU	2 1 / 4 " 7 7 / 8 " SCREEN (MD) 32. DEPTH INTE 5 2 7 0 - 5 4	250 sl 650 sl x 250 30. size 2 3 ACID. SHOT RVAL (MD) 74	(S. " (S. 6 Sks. 3/8 . FRACT 100,	B" 5/35 po 50/50 TUBING RECO DEPTH SET (M 5340 URE, CEMENT OUNT AND KIND OOO# 20	PRD PO Z PRD PO STATUS P-in) O d u c	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE, ETC. ATERIAL USED Sd x N2 Fo (Producing or
S. CABINO SIZE 8 5/8" 4 1/2" 3. BIZE N/A 1. PERFORATION REC 5384-92 5472-74 5442-44 5270-72 3. CABINO SIZE N/A 10/4/90 ATE OF TEST 10/4/90	WEIGHT, LB. 23# 11.6# TOP (MD) CORD (Interval, s 4 JS 2 JS ION PROD P1	LINER R BOTTOM FF UCTION ME UTI GE T CHOSE N RE CALCEL	EPTH SI 328' 684' EECORD (MD) ETHOD (Life SIZE /A ULATED	Flowing, gatt	PRODU	2 1 / 4 " 7 7 / 8 " SCREEN (MD) 32. DEPTH INTE 5 2 7 0 - 5 4 **CTION Aping—size as	250 sl 650 sl x 250 30. size 2 3 ACID. SHOT RVAL (MD) 74	(S. " (S. 6 Sks. 3/8 . FRACT 100, mp) WATER—	B" 5/35 po 50/50 CUBING RECO DEPTH SET (M 5340 URE, CEMENT OUNT AND KINI OOO# 20 WELL Shail Pr WATER—BBL 2 -RBL.	POZ POZ POZ PORD PO Z PORD PO Z PORD PO Z POZ POZ POZ POZ POZ POZ POZ POZ POZ PO	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE, ETC. ATERIAL USED Sd x N2 Fo (Producing or cing CAS-OIL BATIO 10,000 AVITY-API (CORE.)
8. CASINO SIZE 8 5/8" 4 1/2" 9. SIZE N/A 1. PERFORATION REC 5 3 8 4 - 9 2 5 4 7 2 - 7 4 5 4 4 2 - 4 4 5 2 7 0 - 7 2 3.* ATE FIRST PRODUCT: 1 0 / 4 / 9 0 ATE OF TEST	TOP (MD) CORD (Interval, s 4 JS 2 JS LON PROD P1 HOURS TESTED 2 4	LINER R BOTTOM FF UCTION ME UTI GE T CHOSE N RE CALCEL	EPTH SI 328 1 684 1 EECORE (MD) EMber) ETHOD (Life Size / A	Flowing, gatt	PRODU	2 1 / 4 " 7 7 / 8 " SCREEN (MD) 32. DEPTH INTE 5 2 7 0 - 5 4 CCTION Aping—size as OIL—BBL. 1 0 GAS—M	250 sl 650 sl x 250 30. size 2 3 ACID. SHOT RVAL (MD) 74	(S. " (S. 6 Sks. 3/8 . FRACT 100, mp) WATER—	B" 5/35 po 50/50 PUBING RECO DEPTH SET (M 5340 URE, CEMENT OUNT AND KINI 000# 20 WELL Shail Pr WATER—BBL 2	POZ POZ POZ PORD PO Z PORD PO Z PORD PO Z POZ POZ POZ POZ POZ POZ POZ POZ POZ PO	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE. ETC. ATERIAL USED Sd x N2 Fo (Producing or cing AS-OIL RATIO 10,000
A 5 / 8 !! 4 1 / 2 !! 4 1 / 2 !! A 1 / 4 / 9 0 A 1	WEIGHT, LB. 23# 11.6# TOP (MD) CORD (Interval, s 4 JS 2 JS ION PROD P1 HOURS TESTED 24 CABING PRESSU 400	LINER R BOTTOM ize and nu PF PF CHOK Un ger CHOK N RE CALCL	EPTH SI 328 1 684 1 684 1 EECORD (MD) EMber) THOD (Lift E SIZE /A ULLATED OUR RAT	Flowing, ga t PROD'N TEST F	PRODU	2 1 / 4 " 7 7 / 8 " SCREEN (MD) 32. DEPTH INTE 5 2 7 0 - 5 4 CCTION Aping—size as OIL—BBL. 1 0 GAS—M	250 sl 650 sl x 250 30. size 2 3 ACID. SHOT RVAL (MD) 74	(S. " (S. 6 Sks. 3/8 . FRACT 100, mp) WATER—	B" 55/35 po 50/50 CUBING RECO DEPTH SET (M 5340 URE, CEMENT OUNT AND KINI OUNT AND KINI Pr WATER—BBL 2 -NBL. CCE, TED	POZ POZ POZ POZ POZ POZ POZ POZ	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE. ETC. ATERIAL USED Sd x N2 Fo (Producing or cing (AS-OIL RATIO 10,000 AVITY-API (COXE.)
8. CASINO SIZE 8 5/8" 4 1/2" 9. SIZE N/A 1. PERFORATION REC 5 3 8 4 - 9 2 5 4 7 2 - 7 4 5 4 4 2 - 4 4 5 2 7 0 - 7 2 3.* ATE FIRST PRODUCT: 1 0 / 4 / 9 0 ATE OF TEST 1 0 / 4 / 9 0 OW. TURING PRESS. 2 0 0 4. DISPOSITION OF G. S o 1 d	TOP (MD) CORD (Interval, s 4 JS 2 JS ION PROD P1 HOURS TESTED 24 CASING PRESSU 400 AS (Sold, used for	LINER R BOTTOM ize and nu PF PF CHOK Un ger CHOK N RE CALCL	EPTH SI 328 1 684 1 684 1 EECORD (MD) EMber) THOD (Lift E SIZE /A ULLATED OUR RAT	Flowing, ga t PROD'N TEST F	PRODU	2 1 / 4 " 7 7 / 8 " SCREEN (MD) 32. DEPTH INTE 5 2 7 0 - 5 4 CCTION Aping—size as OIL—BBL. 1 0 GAS—M	250 sl 650 sl x 250 30. size 2 3 ACID. SHOT RVAL (MD) 74	(S. " (S. 6 Sks. 3/8 . FRACT 100, mp) WATER—	B" 55/35 po 50/50 TUBING RECO DEPTH SET (M 5340 URE. CEMENT OUNT AND KINI 000# 20 WELL Shain P r WATER—BBL 2	POZ POZ POZ POZ POZ POZ POZ POZ	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE. ETC. ATERIAL USED Sd x N2 Fo (Producing or cing (AS-OIL RATIO 10,000 AVITY-API (COXE.)
8. CASINO SIZE 8 5/8" 4 1/2" 9. SIZE N/A 1. PERFORATION REC 5 3 8 4 - 9 2 5 4 7 2 - 7 4 5 4 4 2 - 4 4 5 2 7 0 - 7 2 3.* THE FIRST PRODUCT 1 0 / 4 / 9 0 ATE OF TEST 1 0 / 4 / 9 0 OW. TUBING PRESS. 2 0 0 6. DISPOSITION OF G. S o 1 d 6. LIST OF ATTACHS	TOP (MD) CORD (Interval, s 4 JS 2 JS ION PROD P1 HOURS TESTED 24 CASING PRESSU 400 AS (Sold, used for	LINER R BOTTOM FF CHOK Unger CHOK N RE CALC 24-Re r fuel, vent	EECORD (MD) Flowing, ga t PROD'N TEST F	PRODU	2 1 / 4 " 7 7 / 8 " SCREEN (MD) 32. DEPTH INTE 5 2 7 0 - 5 4 CCTION Aping—size as OIL—BBL. 1 0 GAS—M	250 sl 650 sl x 250 30. size 2 3 ACID. SHOT RVAL (MD) 74	(S. " (S. 6 Sks. 3/8 . FRACT 100, mp) WATER—	B" 55/35 po 50/50 CUBING RECO DEPTH SET (M 5340 URE, CEMENT OUNT AND KINI OUNT AND KINI Pr WATER—BBL 2 -NBL. CCE, TED	POZ POZ POZ POZ POZ POZ POZ POZ	AMOUNT PULLED N/A N/A N/A PACKER SET (MD) N/A EZE. ETC. ATERIAL USED S d X N2 Fo (Producing or cing cas-oil ratio 10,000 avity-api (corr.)	

drill-stem, tests, increcoveries):	cluding depth i	show all important a nterval tested, cus	SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):	38. GEOI	GEOLOGIC MARKERS	
FORMATION .	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TOP	ď
Ojo Alamo	1260	1440		NAME	MEAS, DEPTH	TRUE
rk1	1440	1920				VENI. DEFIN
Picture Cliffs	1920	2000				
Lewis	2000	2785		, .		
hac	2785	3410				
ı. f	3440	3440				
Menefee	3440					
Point Lookout	4200					
Gallup	5250					
			10:10	7		
			7/ 65,700			
		R				
		-	10 No. 10 No.			
····						
-						