structions ons

Expires: February 28, 1995

ROWER 28'14

UNITED STATES

DEPARTMENT OF THE INTERIOR FLD 20 2017										5. LEASE DESIGNATION AND SERIAL NO.			
BUREAU OF LAND MANAGEMENT * REVISED* FIOIC Of									Jicarilla Contract 360				
WELL COMPLETION OR RECOMPLETION: REPORT AND LOG LOG									6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache 7. UNIT AGRIEMENT NAME				
ıa. TYPE OF WOR	к	OIL WELL	X	GAS WELL	DRY	Other			7. UNIT AGRI			,	
Ib. TYPE OF WEL	L								N/A	Repu	it to	lease	
NEW WELL X	WORK OVER	DEEPEN		PLUG BACK	DIFF RESVR.	Other			8, FARM OR 1	EASENAME	, WELL NO.	K	
										Bonanza 12			
Elm Ridge Ex						*****							
Po Box 156 Bloomfield NM 87413, 505-632-3476										30-043-21144 — BBS/ 10, FIELD AND POOL OR WILDCAT			
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*)									Lindrith Gallup Dakota West				
As Surface 1980' FNL X 1700' FWL									11. SEC., T., R., M., OR BLOCK AND SURVEY				
At top prod. Interval t	reported belo	w							OR AREA				
At total depth		Ľ	4. PERMIT I	NO.	DATE WESTER			Surface: "F" Sec.1-T22N-R3W					
			"	4, PERMIT	· · · · · · · · · · · · · · · · · · ·	DATE ISSUED			Sandoval County NM			E	
5. DATE SPUDDED	16 DATE T	D. REACHED	17 DATE	COMPL (F	Ready to prod.)	IS ELEVATIONS (I)	F DVB DT GD F		Canacye		19. ELEV. CA	STNGLJEAD	
11-16-13	l	1-26-13	1		4-14	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7213' GR			13.222.1.002.103.12.03			JANONEA,	
0. TOTAL DEPTH, MI	& TVD	21. PLUG BAG	K T.D., MID &	TVD	22. IF MULTIPL		23. INTERVALS	ROTA	RY TOOLS		CABLE TO	OLS	
7506' MD	т	VD 7460'	MD		HOW MANY	*	DRILLED BY	X					
24. PRODUCING INTE							L	1	·		25. WAS DIRI	ECTIONAL	
					,						SURVEY		
5914' - 6975'											Υє	es	
6. TYPE ELECTRIC A	ND OTHER I	.ogs run	· · · · · ·					-			27. WAS WEI	LL CORED	
		Spectra	Density	, high I	Resolution Inc	duction Log, C	BL LOG						
23.			···			rt all strings set in we	-11)						
CASING SIZE		WEIGHT	LB./FT.	DEPT	H SET (MD)				EMENTING RECORD AMOUNT			PULLED_	
8 5/8" J			24#		521'	12 1/4"			surfrace			bbls	
5 1/2" J	-55	1/	17#		506'	7 7/8"	1280 sks		o surface	9	120	bbls	
					<u>_</u>								
SIZE	т,	DP (MD)	BOTTOM		SACKS CEMENT*	SCREEN (MD)	30.		UBING RE EPTH SET (M				
30/25		J. (MD)	BOTTOM	(NL2)	SACKS CENTENT	SCREEN (ND)	2 3/8"	, D	6904'	~	PACKER	SET (MD)	
							2 3/6		0904				
				1	···	-	ACID, SHOT,	FRACTU	RE CEMES	ET SOUFF:	ZE ETC		
							DEPTH INTERVAL (MD)			AMOUNT AND KIND OF MATERIAL USED			
<u>INTERVAL</u> 6914' - 6975'			.46		282	6914' - 6975'		ACID: 6000 gal of 7 1/2% Mg					
001	•		,	LUL				:Pumped 5593067 MCSF of N2 followed by 67979					
					gals of			17 CP 70Q Delta w/BBC frac fluid.					
								ed 2371 sks of 20/40 CRC w/max BH concent					
33.*						PRODUCTION		<u> </u>					
DATE FIRST PR	ODUCT	ON PRODU	CTION ME	ETHOD (, pumping—size an	d type of pur	np)		L STATI	JS (Produ	cing or shu	
2-4-1						owing					Producin		
DATE OF TEST		HOURS TES	герснок	E SIZE	PROD'N. FOI	OILBBLS.	GASMC	F.	WATER-	BBL.	GAS-OIL	RATIO	
2-12-14		24	3.	/8''	TEST PERIO	24	595		23				
FLOW. TUBING	PRESS	CASING PRE	1		OIL-BBL.	GAS-MC	CF.	WATI	ER-BBL.	OIL GRA	VITY-AP	I (CORR.)	
250		740	24-HO	UR RA1	24		95		23				
34. DISPOSITIO	N OF GA	S (Sold, used	for fuel, ve	nted, etc.)				TEST WI	INESSED	BY		

35. LIST OF ATTACHMENTS

* REVISED CSG WEIGHT*

SIGNED

ACCEPTED FOR RECORD

Vented

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



37. 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 38. GEOLOGIC MARKERS recoveries); DESCRIPTION, CONTENTS, ETC. **FORMATION** TOP воттом TOP NAME TRUE MEAS. DEPTH Surface San Jose VERT. DEPTH Nacimiento 1221' 2323' Ojo Alamo 2471' Kirtland Fruitland 2597' Pictured cliffs 2687' 2790' Lewis 3112' Chacra 4222' Mesa Verde 4986' Mancos 5654' Gallup 6825' Greenhorn 6885' Graneros 6913' Dakota

Schmitt Nutricate: FORM APPROVED (Secondary Company of the Compan

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				MANAGEMI	ENT KIOK F.FR			Contract 360
WELL	COMPI				DEDOM:	an-Field	Offic -6. IF INDIAN, ALLOT	TEE OR TRIBE NAME
***	. COMIT I		_		Hireau of L	and Man	agen 1611 Jicari	
a. TYPE OF WOF	RK	WELL	WELI	L DRY	Othe			it to lease,
o. TYPE OF WEI	LL WORK		PLUC	-	- 7		N/A 8. FARM OR LEASE N)
WELL X	OVER	DEEPEN	BACK		Othe	r		William Willia
NAME OF OPERAT	OR						Bonanza 12	
Im Ridge Ex		Co. LLC					9. API WELL NO.	
							30-043-21144	
			3, 505-632-34	476 th any State requireme	ente *)			
Surface	W E DE (Nepon I	ocurous creaty a		980' FNL X 17	,			p Dakota West
Surface			,	900 FNL A I	TOU FVVL		OR AREA	BLOCK AND SURVEY
top prod. Interval	reported below						OK AREA	
total depth								Sec.1-T22N-R3W
			14. PERMIT	FNO.	DATE ISSUED		12. COUNTY OR PARIS	
DATE SPUDDED	16. DATE T.D. 1	REACHED	17. DATE COMPL.	(Rendy to mod)	18. ELEVATIONS (E	F BKB BT CD E		19. ELEV. CASINGHEAD
11-16-13		2 <i>6-13</i>	1	-4-14	721		GR	D. E.E. T. CASINGIPHALI
TOTAL DEPTH, MI	D & TVD	21. PLUG BACK	I.D., MD & TVD	22. IF MULTIPLE	•	23. INTERVALS	ROTARY TOOLS	CABLE TOOLS
06' мр	TVD	7460′ мі)	TVD TVD		DRILLED BY	X	
PRODUCING INTE	RVAL(S), OF TH	IS COMPLETION-	-TOP, BOTTOM, NAM	Æ (MD AND TVD)*				25. WAS DIRECTIONAL
014' - 6975'								SURVEY MADE
14 - 07/3								Yes
TYPE ELECTRIC A	ND OTHER LOG	s RUN				· · · · · · · · · · · · · · · · · · ·		27. WAS WELL CORED
		Spectral D	ensity, high	Resolution Inc	duction Log, C	BL LOG		
			· · · · · · · · · · · · · · · · · · ·	NG RECORD (Repo	rt all strings set in we	·		
CASING SIZE/GRADE WEIGHT, LE		./FT. DEP			ļ	MENT, CEMENTING RECORD	AMOUNT PULLED	
8 5/8" J 5 1/2" J		24# 15.5#		521' 7506'	12 1/4" 7 7/8"	 	sks to surfrace 0 sks to surface	19 bbls
3 1/2 3	7-55	13.5#		7500	7 770	120	U SKS IU SUITACE	120 bbls
LINE		LINER	RECORD		30.		TUBING RECORD	
SIZE TOP ((4)	BOTTOM (MD)	OA OVE OF CATE	SCREEN (MD)	SIZE	DEPTH SET (MD)	
SIZE	10/-(MLD)	2011011(112)	SACKS CEMENT*			DEI MISEI (MD)	PACKER SET (MD)
SIZE	101	MD	DOTTOM (NES)	SACKS CEMENT		2 3/8"	6904'	PACKER SET (MD)
SIZI:	107 (MD)	DOTTOM (ND)	SACKS CEMENT		2 3/8"	6904'	
PERFORATION R	ECORD (Interv		•)		32.	2 3/8" ACID, SHOT,	6904'	EEZE, ETC.
PERFORATION R	ECORD (Interva		SIZE	NUMBER	32. DEPTH INTE	2 3/8" ACID, SHOT,	6904' FRACTURE, CEMENT SQU AMOUNT AND KIND O	EEZE, ETC. F MATERIAL USED
PERFORATION R	ECORD (Interv		•)		32.	2 3/8" ACID, SHOT, RVAL (MD) 6975'	6904'	EEZE, ETC. F MATERIAL USED MCA w/additives
PERFORATION R	ECORD (Interva		SIZE	NUMBER	32. DEPTH INTE	2 3/8" ACID, SHOT, RVAL (MD) 6975'	6904' FRACTURE, CEMENT SQU AMOUNT AND KIND O ACID: 6000 gal of 7 1/2%	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979
PERFORATION R	ECORD (Interva		SIZE	NUMBER	32. DEPTH INTE	2 3/8" ACID, SHOT, RVAL (MD) 6975'	FRACTURE, CEMENT SQU AMOUNT AND KIND O ACID: 6000 gai of 7 1/2% FRAC: Pumped 5593067 MC	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid.
perforation r IN 6914	ECORD (Intervi TERVAL 4' - 6975'	il, size and number	.46	NUMBER 282	32. DEPTH INTE 6914' -	2 3/8" ACID, SHOT, RVAL (MD) 6975'	6904' FRACTURE, CEMENT SQU AMOUNT AND KIND OF ACID: 6000 gal of 7 1/2% FRAC :Pumped 5593067 MC. gals of 17 CP 700 Delta w/Bit Pumped 2371 sks of 20/40	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid. CRC w/max BH concent
perforation r IN 6914	ECORD (Intervited of the Control of	il, size and number	.46	NUMBER 282	32. DEPTH INTE 6914' - PRODUCTION pumping—size ar	2 3/8" ACID, SHOT, RVAL (MD) 6975'	6904' FRACTURE, CEMENT SQU AMOUNT AND KIND OF ACID: 6000 gal of 7 1/2% FRAC :Pumped 5593067 MC. gals of 17 CP 700 Delta w/Bit Pumped 2371 sks of 20/40	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid. CRC w/max BH concent
perforation r IN 6914 * ATE FIRST PR 2-4-14	ECORD (Intervir TERVAL 4' - 6975'	PRODUCT	SIZE .46	NUMBER 282 (Flowing, gas lift,	32. DEPTH INTE 6914' - PRODUCTION pumping—size ar	2 3/8" ACID, SHOT, RVAL (MD) 6975'	FRACTURE, CEMENT SQU AMOUNT AND KIND O ACID: 6000 gal of 7 1/2% FRAC: Pumped 5593067 MC. gals of 17 CP 700 Delta w/Bı Pumped 2371 sks of 20/40	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid. CRC w/max BH concent ATUS (Producing or shu Producing
PERFORATION R INT 6914 * TE FIRST PR 2-4-14 TE OF TEST	ECORD (Intervir TERVAL 4' - 6975'	PRODUCT	SIZE .46 ION METHOD	NUMBER 282	32. DEPTH INTE 6914' - PRODUCTION pumping—size ar owing OIL—BBLS.	2 3/8" ACID, SHOT, RVAL (MD) 6975' d type of pun GAS-MC	FRACTURE, CEMENT SQU AMOUNT AND KIND O ACID: 6000 gai of 7 1/2% FRAC: Pumped 5593067 MC: gals of 17 CP 70Q Delta w/Bi Pumped 2371 sks of 20/40 IP) LL STA	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid. CRC w/max BH concent
PERFORATION R IN 6914 * TE FIRST PR 2-4-14 TE OF TEST 2-12-14	ECORD (Interview 1 to 1 t	PRODUCT URS TESTER	SIZE .46	NUMBER 282 (Flowing, gas lift, Flo PROD'N. FOI TEST PERIO	32. DEPTH INTE 6914' - PRODUCTION pumping—size ar	2 3/8" ACID, SHOT, RVAL (MD) 6975' d type of pure GAS—MC 595	FRACTURE, CEMENT SQU AMOUNT AND KIND O ACID: 6000 gai of 7 1/2% FRAC: Pumped 5593067 MC: gais of 17 CP 70Q Delta w/Bi Pumped 2371 sks of 20/40 Ap) LL STA WATER-BBL. 23	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid. CRC w/max BH concent ATUS (Producing or shu Producing
* TE FIRST PR 2-4-14 TE OF TEST 2-12-14 OW. TUBING	ECORD (Interview 1 to 1 t	PRODUCT URS TESTE 24 SING PRESS	SIZE .46 ION METHOD CHOKE SIZE	NUMBER 282 (Flowing, gas lift, Flo PROD'N. FOI TEST PERIO	DEPTH INTE 6914' - 6914' - PRODUCTION pumping—size ar owing OIL—BBLS. 24 GAS—MO	2 3/8" ACID, SHOT, RVAL (MD) 6975' ad type of pun GAS-MC 595	FRACTURE, CEMENT SQU AMOUNT AND KIND O ACID: 6000 gai of 7 1/2% FRAC:Pumped 5593067 MC. gais of 17 CP 70Q Delta w/Bi Pumped 2371 sks of 20/40 ADP) LL STA WATER-BBL. 23 WATER-BBL. OIL G	F MATERIAL USED MCA w/additives SF of N2 followed by 67979 3C frac fluid. CRC w/max BH concent ATUS (Producing or shu Producing GAS-OIL RATIO:
* TE FIRST PR 2-4-14 TE OF TEST 2-12-14 OW. TUBING	ECORD (Intervited of the Control of	PRODUCT URS TESTE 24 SING PRESS 740	SIZE .46 ION METHOD CHOKE SIZE 3/8"	NUMBER 282 (Flowing, gas lift, Flo PROD'N. FOI TEST PERIO COIL-BBL.	DEPTH INTE 6914' - 6914' - PRODUCTION pumping—size ar owing OIL—BBLS. 24 GAS—MO	2 3/8" ACID, SHOT, RVAL (MD) 6975' d type of pure GAS—MC 595	FRACTURE, CEMENT SQU AMOUNT AND KIND O ACID: 6000 gai of 7 1/2% FRAC: Pumped 5593067 MC: gais of 17 CP 70Q Delta w/Bi Pumped 2371 sks of 20/40 Ap) LL STA WATER-BBL. 23	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid. CRC w/max BH concent ATUS (Producing or shu Producing GAS-OIL RATIO: RAVITY-API (CORR.)
PERFORATION R IN 6914 ATE FIRST PR 2-4-14 ATE OF TEST 2-12-14 OW. TUBING	ECORD (Intervited of the Control of	PRODUCT URS TESTE 24 SING PRESS 740	SIZE .46 ION METHOD CHOKE SIZE 3/8" CALCULATE 24-HOUR RA	NUMBER 282 (Flowing, gas lift, Flo PROD'N. FOI TEST PERIO COIL-BBL. 24	DEPTH INTE 6914' - 6914' - PRODUCTION pumping—size ar owing OIL—BBLS. 24 GAS—MO	2 3/8" ACID, SHOT, RVAL (MD) 6975' ad type of pun GAS-MC 595	FRACTURE, CEMENT SQU AMOUNT AND KIND OF ACID: 6000 gal of 7 1/2% FRAC :Pumped 5593067 MC. gals of 17 CP 700 Delta w/BI Pumped 2371 sks of 20/40 ID) LL STA WATER-BBL. 23 WATER-BBL. OIL G 23	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid. CRC w/max BH concent ATUS (Producing or shu Producing GAS-OIL RATIO: RAVITY-API (CORR.)
PERFORATION R IN 6914 * TE FIRST PR 2-4-14 TE OF TEST 2-12-14 OW. TUBING	ECORD (Interview TERVAL 4' - 6975' RODUCTION 4 HO F PRESS CA	PRODUCT URS TESTER 24 SING PRESS 740 Sold, used for	SIZE .46 ION METHOD CHOKE SIZE 3/8" CALCULATE 24-HOUR RA' fuel, vented, etc	NUMBER 282 (Flowing, gas lift, Flo PROD'N. FOI TEST PERIO COIL-BBL. 24	DEPTH INTE 6914' - 6914' - PRODUCTION pumping—size ar owing OIL—BBLS. 24 GAS—MO	2 3/8" ACID, SHOT, RVAL (MD) 6975' ad type of pun GAS-MC 595	FRACTURE, CEMENT SQU AMOUNT AND KIND OF ACID: 6000 gal of 7 1/2% FRAC :Pumped 5593067 MC. gals of 17 CP 700 Delta w/BI Pumped 2371 sks of 20/40 ID) LL STA WATER-BBL. 23 WATER-BBL. OIL G 23	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid. CRC w/max BH concent ATUS (Producing or shy Producing) GAS-OIL RATIO: RAVITY-API (CORR.)
TE FIRST PR 2-4-1- TE OF TEST 2-12-14 OW. TUBING 250 DISPOSITIO	RODUCTION 4 HO FOR GRAS (TACHMEN	PRODUCT URS TESTE 24 SING PRESS 740 Sold, used for	SIZE .46 ION METHOD I CHOKE SIZE 3/8" I CALCULATE 24-HOUR RA' fuel, vented, etc	NUMBER 282 (Flowing, gas lift, Fic. PROD'N. FOI TEST PERIO C OIL-BBL. 24	DEPTH INTE 6914' - 6914' - PRODUCTION pumping—size ar owing OIL—BBLS. 24 GAS—MC	2 3/8" ACID, SHOT, RVAL (MD) 6975' dd type of pun GAS—MCI 595	FRACTURE, CEMENT SQU AMOUNT AND KIND OF ACID: 6000 gal of 7 1/2% FRAC :Pumped 5593067 MC. gals of 17 CP 700 Delta w/BI Pumped 2371 sks of 20/40 ID) LL STA WATER-BBL. 23 WATER-BBL. OIL G 23	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid. CRC w/max BH concent ATUS (Producing or shu Producing GAS-OIL RATIO: RAVITY-API (CORR.)
FE FIRST PR 2-4-1- TE OF TEST 2-12-14 DW. TUBING 250 DISPOSITIO	RODUCTION 4 HO FOR GRAS (TACHMEN	PRODUCT URS TESTE 24 SING PRESS 740 Sold, used for	SIZE .46 ION METHOD I CHOKE SIZE 3/8" I CALCULATE 24-HOUR RA' fuel, vented, etc	NUMBER 282 (Flowing, gas lift, Flo PROD'N. FOI TEST PERIO COIL-BBL. 24	DEPTH INTE 6914' - 6914' - PRODUCTION pumping—size ar owing OIL—BBLS. 24 GAS—MC	2 3/8" ACID, SHOT, RVAL (MD) 6975' dd type of pun GAS—MCI 595	FRACTURE, CEMENT SQU AMOUNT AND KIND OF ACID: 6000 gai of 7 1/2% FRAC: Pumped 5593067 MC. gais of 17 CP 70Q Delia w/BI Pumped 2371 sks of 20/40 ADD L STA WATER-BBL. 23 WATER-BBL. OIL G 23 TEST WITNESS	EEZE, ETC. F MATERIAL USED MCA w/additives SF of N2 followed by 67979 BC frac fluid. CRC w/max BH concent ATUS (Producing or shy Producing) GAS-OIL RATIO: RAVITY-API (CORR.)

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37. 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 38. GEOLOGIC MARKERS recoveries); DESCRIPTION, CONTENTS, ETC. FORMATION TOP **BOTTOM** TOP NAME TRUE MEAS. DEPTH San Jose Surface VERT. DEPTH 1221' Nacimiento Ojo Alamo 2323' 2471' Kirtland Fruitland 2597' Pictured cliffs 2687' Lewis 2790' 3112' Chacra 4222' Mesa Verde 4986' Mancos 5654' Gallup 6825' Greenhorn 6885' Graneros 6913' Dakota