FORM 3160-4 (July 1992)

**UNITED STATES** DEPARTMENT OF THE INTERIOR SUBMIT IN DUPLICATE\* FORM APPROVED (See other in-structions ons reverse side) OMB NO 1004-0137

Expires.	February	28,	1995

5, LE	ASE DESIGNATION AND SERIAL NO
	BIA 360

		BUKE	AU UF	LAND	WANAGEW	IEF	41			<u> </u>	DIA	
WELL	COM	PLETION	OR R	ECON	IPLETION	F	REPORT A	ND LO	}*		N, ALLOTTEE Jicarilla	OR TRIBE NAME  Apache
1a. TYPE OF WORL	·	OIL WELL	X	GAS	DRY	П	Othor				REEMENT NA	
1b. TYPE OF WELL		WELL		WELL	_		Other			N/A		
NEW 🔽	WORK [	DEEPEN	$\neg$	PLUG	DIFF [	$\neg$	DEC	OF HA	7 == 0	FARM OR	LEASE NAM	IE, WELL NO
2 NAME OF OPERATO	OVER L			BACK	L RESVR.		Oper		1 2 2 2		- 0	•
		n Co 11 C								Bonanz 9 API WELI		<del></del>
Elm Ridge Ex 3 ADDRESS AND TEL	EPHONE NO	n Co. LLC			**		Con lan lan	0000	117	30-043-		
Po Box 156 B			3 505	632-347	<b>'</b> 6		FEE	3 29 21	JIZ		ND POOL OR	WILDCAT
4 LOCATION OF W						ents	*)		100	Lindrith	Gallup [	Dakota West
At Surface				1	930' FSL x 1	197	*) 70' Farming	iton Field	J UTIK			
At top prod Interval re	eported belo	ow.					70' 拒絕可以 Bureau of	Land Ivia	naye	OR AREA		
At total depth										"J" Sec.	12-T22N	1-R3W
THE TOTAL COPIE			1	14 PERMIT	NO		DATE ISSUED			12 COUNTY		13 STATE
			l							Sandov	al Coun	<del></del>
		D REACHED 2-24-11	17 DAT		Ready to prod )		18 ELEVATIONS (D. <b>718</b>					19 ELEV CASINGHEAD
12-12-11 20 TOTAL DEPTH ME		21 PLUG BAC	KTD. MD		27-12 22 IF MULTIF	ΊΕ (		23 INTERVAL	GL S BC	OTARY TOOLS		CABLE TOOLS
		ľ	•		HOW MAN		,	DRILLED B		JIMKI TOOLS	1	CIBBL TOOLS
7190' MD 24 PRODUCING INTEL			MD N-TOP BO		TVD IE (MD AND TVD)*				]^			25. WAS DIRECTIONAL
(6944'-6991') L	undrith	Gallup Dako	ta West	(Squee2	ed off)							SURVEY MADE
(6754'-6813')L	ındrıth (	Gallup Dakoi	a West	(Produc	ing)							
		~										
26 TYPE ELECTRIC A	ND OTHER	LOGS RUN Spectral	Densit	v hiah l	Resolution Ir	ndı	uction Log, C	BLIOG				27. WAS WELL CORED
23		Оросиц	Donon			***	all strings set in we		-			
CASING SIZE/	GRADE	WEIGHT,	LB /FT		H SET (MD)		HOLE SIZE	<del>.                                      </del>	EMENT,	CEMENTING R	ECORD	AMOUNT PULLED
8 5/8" J	-55	241	ŧ		396'		12 1/4"	26	0 sks	to surface	9	
5 1/2" J	-55	15.5	#	7	'153'		7 7/8"	12	70 sks	to surfac	e	
							····					
29. SIZE	1 77	DP (MD)	R RECOR		SACKS CEMENT	~*	SCREEN (MD)	30	<del>,                                     </del>	DEPTH SET (N		
SIZE	1	JP (MD)	BOTTO	VI (IVID)	SACKS CEMENT	_	SCREEN (MD)	2 3/8"	+	6849'	AD)	PACKER SET (MD)
								2 3/0	+	0043		
31. PERFORATION R	FCORD (Int	erval size and num	or)	لسنس	- "	_	32	ACID, SHOT	, FRACT	URE, CEME	NT SQUEE	ZE, ETC.
	<u>rerval</u>		SLZ	<u>ZE</u>	NUMBER		DEPTH INTE	RVAL (MD)	T	AMOUNT AN	D KIND OF N	MATERIAL USED
694	4'-6991	•	.4	6	188		6944'-6	5991'	ACID:	10,000 gal o	f 7 1/2% M	CA w/additives
675	4'-6813	3'	.4	6	184		6754'-6	3813'	FRAC.	Pumped 164	4 gal of N2 fo	ollowed by 28,374 gals o
												25 gals of 17CP 70Q Def
									Pumpe	ed 716 sks o	20/40 CR	C w/max BH concentra
33.*	ODLICTI	and property	TYONI NA	POPLIOD (	E1		RODUCTION				k r. com a mi	VIC (D I
DATE FIRST PR 1-20-1		ON PRODUC	HON MI	ETHOD (			umping—size and <i>ving</i>	i type ot pun	1p)			US (Producing or shi <i>Producing</i>
DATE OF TEST		HOURS TEST	ЕВСНО	KE SIZE	PROD'N. FOI		DIL-BBLS.	GASMC	F.	WATER-		GAS-OIL RATIO
1-20-12		24	-   :	3/4"	TEST PERIO		27.5			27	.5	
FLOW. TUBING	PRESS	CASING PRES			OIL-BBL.		GAS-MC	F.	. WA	TER-BBL.	OIL GRA	VITY-API (CORR.)
0_		0		DUR RAT	27.5					27.5	<u></u>	
34. DISPOSITION	N OF GAS	S (Sold, used fo	r fuel, ve	nted, etc.)						TEST WI	TNESSED	ВУ
35. LIST OF AT	ГАСНМЕ	ENTS			· · · · · · · · · · · · · · · · · · ·							
36 I hereby certify, the	at the forego	ing and attached in	formation is	s complete a	nd correct as deter	mine	ed from all available	records				
SIGNED	uco	le alley			TITLE		Produ	ıctıon Ass	istant		DATE	2/17/2012
			*/	See Instru	finns and Spane	s for	r Additional Data o	n Raversa Sir	(e)			
		_	1.	Jog madul	and opaces	, (0)	AGGINOHAL DATA U	III VOADIDO OIL	,			

& Revised item #24 21271 ..

ROVD MAR 7'12 OIL CONS. DIV. DIST. 3

ACCEPTED FOR RECORD

MAR 0 5 2012

FARMINGTON FIELD OFFICE BY IL Solvers

MOCD

drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and 38. GEOLOGIC MARKERS recoveries); FORMATION TOP воттом DESCRIPTION, CONTENTS, ETC. TOP NAME TRUE MEAS. DEPTH San Jose Surface VERT. DEPTH Nacimiento 1151' Ojo Alamo 2250' 2358' Kirtland 2558' Pictured cliffs 2710' Lewis 2975' Chacra 4064' Mesa Verde 4860' Mancos 6668' Greenhorn 6753' Dakota

SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all

FORM 3160-4 (July 1992)

**UNITED STATES** DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE\* FORM APPROVED 1 OMB NO. 1004-013

(See other in-structions ons reverse side)

OMB NO. 1004-0137

Expires. February 28 1005

WELL CON			MANAGEME					360			
	IPLETION C	R RECON	IPLETION I	REPORT A	ND LOG	3*	6 IF INDIAN, ALLOTTE  Jicarilla	Apach FB 22	2012		
1a. TYPE OF WORK	OIL X	GAS WELL	DRY	Other			7 UNIT AGREEMENT N	AME	2012		
1b. TYPE OF WELL	WELL C	y WELL		_ Oulei			N/A	Farmington Fi	ield Office		
NEW WORK		PLUG		1		ŀ	8 FARM OR LEASE NA	Muleal of Land	Monagome		
WELL NAME OF OPERATOR	R DEEFEN _	J BACK	RESVR.	Other	·	_		Pareau Or Land r	wanayeme		
	: 0- 110						Bonanza 9 9 API WELL NO				
Elm Ridge Explorate  ADDRESS AND TELEPHONE				<del></del>			30-043-21002 <del></del>	-0001			
Po Box 156 Bloomf		EUE 633 34	76				10 FIELD AND POOL OF				
LOCATION OF WELL (Re				c *)			Lindrith Gallup				
At Surface	, , , , , , , , , , , , , , , , , , , ,	II SEC, T R., M, OR B									
			1930' FSL x 19	70 1 22		1	OR AREA	LOCK AND SURVEY			
At top prod Interval reported be	elow					1	OK AREA				
At total depth							"J" Sec.12-T22				
		14 PERMIT	NO	DATE ISSUED		-	12 COUNTY OR PARISH				
a management last name		La piese soi es		ļ., <u></u>			Sandoval Cour	**····			
	12-24-11	17 DATE COMPL	(Ready to prod ) 27-12	18 ELEVATIONS (E		GL.		19 ELEV CASINGHEAD			
0 TOTAL DEPTH, MD & TVD	21 PLUG BACK		22 IF MULTIPLE		23 INTERVALS		ARY TOOLS	CABLE TOOLS			
7190' MD	TVD 6900' ME		TVD HOW MANY	•	DRILLED BY						
4 PRODUCING INTERVAL(S).	OF THIS COMPLETION-	TOP, BOTTOM, NAI		······································	ــــــــــــــــــــــــــــــــــــــ			25 WAS DIRECTIONAL			
'6944'-6991') Lindriti	h Gallup Dakota	West	,					SURVEY MADE			
6754'-6813')Lındrıth	i Gallup Dakota	West									
6 TYPE ELECTRIC AND OTHE		)anatu hiah	Possiution Ind	luntion I on C	201100			27 WAS WELL CORED			
	Spectrarit		Resolution Ind								
3 CASING SIZE/GRADE	WEIGHT, LB		NG RECORD (Repor	HOLE SIZE	·	EMENT CE	EMENTING RECORD				
O( === === O( === ==	11310111, 00							AMOUNT PULLED			
8 5/8" J-55	24#		396	12 1/4"							
8 5/8" J-55 5 1/2" J-55	24# 15.5#		396' 7153'	12 1/4" 7 7/8"							
8 5/8" J-55 5 1/2" J-55	24# 15.5#		7153'	7 7/8"			o surface				
5 1/2" J-55	15.5#	RECORD				70 sks t					
5 1/2" J-55	15.5#				30 SIZE	70 sks t	o surface	PACKER SET (MD)			
5 1/2" J-55	15.5# LINER	RECORD	7153'	7 7/8"	127	70 sks t	o surface	PACKER SET (MD)			
5 1/2" J-55	15.5# LINER	RECORD	7153'	7 7/8"	30 SIZE 2 3/8"	70 sks t	TUBING RECORD EPTH SET (MD) 6849'				
5 1/2" J-55  9 SiZE  1. PERFORATION RECORD (1)	LINER TOP (MD) Interval, size and number	RECORD BOTTOM (MD)	7153' SACKS CEMENT*	7 7/8"  SCREEN (MD)  32	30 SIZE 2 3/8"	70 sks t	TUBING RECORD EPTH SET (MD) 6849' GRE, CEMENT SQUE	EZE, ETC.			
5 1/2" J-55  9 SiZE  1. PERFORATION RECORD (INTERVA	LINER TOP (MD) Interval, size and number	RECORD BOTTOM (MD)  SIZE	7153' SACKS CEMENT* NUMBER	7 7/8"  SCREEN (MD)  32  DEPTH INTE	30 SIZE 2 3/8" ACID, SHOT	70 sks t	TUBING RECORD EPTH SET (MD) 6849' BRE, CEMENT SQUEL MOUNT AND KIND OF	EZE, ETC. MATERIAL USED			
5 1/2" J-55  9 SiZE  1. PERFORATION RECORD (1) INTERVA 6944'-699	LINER TOP (MD) Interval, size and number	RECORD BOTTOM (MD)  SIZE .46	SACKS CEMENT*  NUMBER 188	7 7/8"  SCREEN (MD)  32  DEPTH INTE  6944'-	30 SIZE 2 3/8" ACID, SHOT: RVAL (MD) 6991'	70 sks t	TUBING RECORD EPTH SET (MD) 6849'  ORE, CEMENT SQUE MOUNT AND KIND OF 0,000 gal of 7 1/2% M	EZE, ETC.  MATERIAL USED  ACA Wadditives			
5 1/2" J-55  9 Size  1. Perforation record (INTERVA	LINER TOP (MD) Interval, size and number	RECORD BOTTOM (MD)  SIZE	7153' SACKS CEMENT* NUMBER	7 7/8"  SCREEN (MD)  32  DEPTH INTE	30 SIZE 2 3/8" ACID, SHOT: RVAL (MD) 6991'	70 sks t	TUBING RECORD EPTH SET (MD) 6849'  RE, CEMENT SQUEL MOUNT AND KIND OF 0,000 gal of 7 1/2% N Pumped 1644 gal of N2	EZE, ETC.  MATERIAL USED  ACA W/additives followed by 28,374 gals of			
5 1/2" J-55  9 Size  1. perforation record ( INTERVA 6944'-699	LINER TOP (MD) Interval, size and number	RECORD BOTTOM (MD)  SIZE .46	SACKS CEMENT*  NUMBER 188	7 7/8"  SCREEN (MD)  32  DEPTH INTE  6944'-	30 SIZE 2 3/8" ACID, SHOT: RVAL (MD) 6991'	70 sks t	TUBING RECORD DEPTH SET (MD) 6849' ORE, CEMENT SQUEI MOUNT AND KIND OF 0,000 gal of 7 1/2% N Pumped 1644 gal of N2 ta w/BBC frac fluid 80,2	EZE, ETC.  MATERIAL USED  ACA w/additives followed by 28,374 gals of 25 gals of 17CP 70Q Delt.			
5 1/2" J-55  9 SIZE  1. PERFORATION RECORD (1) INTERVA 6944'-699 6754'-681	LINER TOP (MD) Interval, size and number	RECORD BOTTOM (MD)  SIZE .46	7153'  SACKS CEMENT*  NUMBER 188 184	7 7/8"  SCREEN (MD)  32  DEPTH INTE  6944'-(	30 SIZE 2 3/8" ACID, SHOT: RVAL (MD) 6991'	70 sks t	TUBING RECORD DEPTH SET (MD) 6849' ORE, CEMENT SQUEI MOUNT AND KIND OF 0,000 gal of 7 1/2% N Pumped 1644 gal of N2 ta w/BBC frac fluid 80,2	EZE, ETC.  MATERIAL USED  ACA W/additives followed by 28,374 gals of			
5 1/2" J-55  9 SIZE  1. PERFORATION RECORD (INTERVA 6944'-699 6754'-681)	LINER TOP (MD)  Interval, size and number L 13'	RECORD BOTTOM (MD)  SIZE .46 .46	7153'  SACKS CEMENT*  NUMBER 188 184	7 7/8"  SCREEN (MD)  32  DEPTH INTE 6944'-( 6754'-(	30 SIZE 2 3/8" ACID, SHOT EVAL (MD) 6991' 6813'	70 sks t	TUBING RECORD DEPTH SET (MD) 6849'  GRE, CEMENT SQUEI MOUNT AND KIND OP 0,000 gal of 7 1/2% N Pumped 1644 gal of N2 ta w/BBC frac fluid 80,2 716 sks of 20/40 CF	EZE, ETC.  MATERIAL USED  MCA w/additives followed by 28,374 gals of 25 gals of 17CP 70Q Delt.  PC w/max BH concentra			
5 1/2" J-55  9 SIZE  1. PERFORATION RECORD (INTERVA 6944'-699 6754'-681)	LINER TOP (MD)  Interval, size and number L 13'	RECORD BOTTOM (MD)  SIZE .46 .46	SACKS CEMENT*  NUMBER 188 184  P (Flowing, gas lift, p	7 7/8"  SCREEN (MD)  32  DEPTH INTE 6944'-( 6754'-(	30 SIZE 2 3/8" ACID, SHOT EVAL (MD) 6991' 6813'	70 sks t	TUBING RECORD DEPTH SET (MD) 6849'  GRE, CEMENT SQUEI MOUNT AND KIND OP 0,000 gal of 7 1/2% N Pumped 1644 gal of N2 ta w/BBC frac fluid 80,2 716 sks of 20/40 CF	EZE, ETC.  MATERIAL USED  ACA w/additives followed by 28,374 gals of 25 gals of 17CP 70Q Delt.			
5 1/2" J-55  9 SIZE  1. PERFORATION RECORD (INTERVA 6944'-699 6754'-681)  3.*  DATE FIRST PRODUCT 1-20-12	LINER TOP (MD) Interval, size and number L D1' 13'	RECORD BOTTOM (MD)  SIZE .46 .46 .46 ON METHOD (	SACKS CEMENT*  NUMBER 188 184  P (Flowing, gas lift, p	7 7/8"  SCREEN (MD)  32  DEPTH INTE 6944'-1 6754'-1 PRODUCTION DUMPING—Size and wing	30 SIZE 2 3/8" ACID, SHOT EVAL (MD) 6991' 6813'	TO sks t	TUBING RECORD DEPTH SET (MD) 6849'  GRE, CEMENT SQUEI MOUNT AND KIND OP 0,000 gal of 7 1/2% N Pumped 1644 gal of N2 ta w/BBC frac fluid 80,2 716 sks of 20/40 CF	EZE, ETC.  MATERIAL USED  MCA w/additives followed by 28,374 gals of 125 gals of 17CP 70Q Delt. PC w/max BH concentra  FUS (Producing or shu			
5 1/2" J-55  9 SIZE  1. PERFORATION RECORD (INTERVA 6944'-699 6754'-681)  13.*  DATE FIRST PRODUCT 1-20-12	LINER TOP (MD) Interval, size and number L D1' 13'	RECORD BOTTOM (MD)  SIZE .46 .46 .46 ON METHOD (	SACKS CEMENT*  NUMBER 188 184  P (Flowing, gas lift, Flo	7 7/8"  SCREEN (MD)  32  DEPTH INTE 6944'-1 6754'-1 PRODUCTION DUMPING—Size and wing	30 SIZE 2 3/8" ACID, SHOT ERVAL (MD) 6991' 6813'	TO sks t	TUBING RECORD REPTH SET (MD) 6849' RE, CEMENT SQUEI RE, CEMENT SQUEI RE, COMENT AND KIND OF 0,000 gal of 7 1/2% N Pumped 1644 gal of N2 ta w/BBC frac fluid 80,2 1716 sks of 20/40 CF	EZE, ETC.  MATERIAL USED  ACA w/additives  followed by 28,374 gais of  125 gals of 17CP 70Q Delt.  EC w/max BH concentra  FUS (Producing or shu  Producing			
5 1/2" J-55  9 SIZE  I. PERFORATION RECORD (INTERVA 6944'-695 6754'-681)  3.*  DATE FIRST PRODUCT 1-20-12  DATE OF TEST 1-20-12	LINER TOP (MD) Interval, size and number L O1' 13'  TION PRODUCTI HOURS TESTEI	RECORD BOTTOM (MD)  SIZE .46 .46 .46  CHOKE SIZE 3/4" CALCULATE	SACKS CEMENT*  NUMBER 188 184  P (Flowing, gas lift, p Flo PROD'N. FOI TEST PERIO	SCREEN (MD)  32  DEPTH INTE 6944'-( 6754'-(  PRODUCTION Dumping—size and wing OIL—BBLS.	30 SIZE 2 3/8" 2 3/8" ACID, SHOT (RVAL (MD) 6991' 6813' d type of pum	FRACTU ACID: 11 FRACE: F 700 Delt Pumped	TUBING RECORD DEPTH SET (MD) 6849'  DRE, CEMENT SQUEL MOUNT AND KIND OF 0,000 gal of 7 1/2% N Pumped 1644 gal of N2 ta w/BBC frac fluid 80, 2 1716 sks of 20/40 CF  LL STAT WATER-BBL. 27.5	EZE, ETC.  MATERIAL USED  ACA w/additives  followed by 28,374 gais of  125 gals of 17CP 70Q Delt.  CC w/max BH concentra  FUS (Producing or shu  Producing			
5 1/2" J-55  9 SIZE  1. PERFORATION RECORD (INTERVA) 6944'-695 6754'-681  3.* DATE FIRST PRODUC' 1-20-12 DATE OF TEST 1-20-12 FLOW. TUBING PRESS 0	LINER TOP (MD)  Interval, size and number L 13'  TION PRODUCTI HOURS TESTEI 24 CASING PRESS 0	RECORD BOTTOM (MD)  SIZE .46 .46 .46  CHOKE SIZE 3/4" CALCULATE 24-HOUR RAT	SACKS CEMENT*  NUMBER 188 184  Flowing, gas lift, p FROD'N, FOI TEST PERIO OIL-BBL. 27.5	32 DEPTH INTE 6944'-1 6754'-1 PRODUCTION DIMPING—Size and wing OIL—BBLS. 27.5	30 SIZE 2 3/8" 2 3/8" ACID, SHOT (RVAL (MD) 6991' 6813' d type of pum	TO SKS t  D  A  FRACTU  A  ACID: 11  FRAC: F  70Q Delt  Pumped	TUBING RECORD DEPTH SET (MD) 6849'  ORE, CEMENT SQUE MOUNT AND KIND OF 0,000 gal of 7 1/2% M Pumped 1644 gal of N2 18 WBBC frac fluid 80,2 1716 sks of 20/40 CR  LL STAT WATER-BBL. 27.5  ER-BBL. OIL GR	EZE, ETC.  MATERIAL USED  ACA W/additives followed by 28,374 gals of 125 gals of 17CP 70Q Delt.  EC w/max BH concentra  FUS (Producing or shu Producing  GAS-OIL RATIO  AVITY-API (CORR.)			
5 1/2" J-55  9 SIZE  1. PERFORATION RECORD (INTERVA) 6944'-695 6754'-681  3.* DATE FIRST PRODUC' 1-20-12 DATE OF TEST 1-20-12 FLOW. TUBING PRESS 0	LINER TOP (MD)  Interval, size and number L 13'  TION PRODUCTI HOURS TESTEI 24 CASING PRESS 0	RECORD BOTTOM (MD)  SIZE .46 .46 .46  CHOKE SIZE 3/4" CALCULATE 24-HOUR RAT	SACKS CEMENT*  NUMBER 188 184  Flowing, gas lift, p FROD'N, FOI TEST PERIO OIL-BBL. 27.5	32 DEPTH INTE 6944'-1 6754'-1 PRODUCTION DIMPING—Size and wing OIL—BBLS. 27.5	30 SIZE 2 3/8" 2 3/8" ACID, SHOT (RVAL (MD) 6991' 6813' d type of pum	TO SKS t  D  A  FRACTU  A  ACID: 11  FRAC: F  70Q Delt  Pumped	TUBING RECORD  TUBING RECORD  TUBING RECORD  TUBING RECORD  TUBING RECORD  TO BE THE T	EZE, ETC.  MATERIAL USED  ACA W/additives followed by 28,374 gals of 125 gals of 17CP 70Q Delt.  EC w/max BH concentra  FUS (Producing or shu Producing  GAS-OIL RATIO  AVITY-API (CORR.)			
5 1/2" J-55  9 SIZE  1. PERFORATION RECORD (INTERVA) 6944'-699 6754'-681  1-20-12 DATE OF TEST 1-20-12 FLOW. TUBING PRESS 0 14. DISPOSITION OF G	LINER TOP (MD)  Interval, size and number L O1' O3'  HOURS TESTEI 24 CASING PRESS O AS (Sold, used for the size of	RECORD BOTTOM (MD)  SIZE .46 .46 .46  CHOKE SIZE 3/4" CALCULATE 24-HOUR RAT	SACKS CEMENT*  NUMBER 188 184  Flowing, gas lift, p FROD'N, FOI TEST PERIO OIL-BBL. 27.5	32 DEPTH INTE 6944'-1 6754'-1 PRODUCTION DIMPING—Size and wing OIL—BBLS. 27.5	30 SIZE 2 3/8" 2 3/8" ACID, SHOT (RVAL (MD) 6991' 6813' d type of pum	TO SKS t  D  A  FRACTU  A  ACID: 11  FRAC: F  70Q Delt  Pumped	TUBING RECORD DEPTH SET (MD) 6849'  ORE, CEMENT SQUE MOUNT AND KIND OF 0,000 gal of 7 1/2% M Pumped 1644 gal of N2 18 WBBC frac fluid 80,2 1716 sks of 20/40 CR  LL STAT WATER-BBL. 27.5  ER-BBL. OIL GR	EZE, ETC.  MATERIAL USED  ACA W/additives followed by 28,374 gals of 125 gals of 17CP 70Q Delt.  EC w/max BH concentra  FUS (Producing or shu Producing  GAS-OIL RATIO  AVITY-API (CORR.)			
5 1/2" J-55  SIZE  SIZE	LINER TOP (MD)  Interval, size and number L O1' O3'  HOURS TESTEI 24 CASING PRESS O AS (Sold, used for the size of	RECORD BOTTOM (MD)  SIZE .46 .46 .46  CHOKE SIZE 3/4" CALCULATE 24-HOUR RAT	SACKS CEMENT*  NUMBER 188 184  Flowing, gas lift, p FROD'N, FOI TEST PERIO OIL-BBL. 27.5	32 DEPTH INTE 6944'-1 6754'-1 PRODUCTION DIMPING—Size and wing OIL—BBLS. 27.5	30 SIZE 2 3/8" 2 3/8" ACID, SHOT (RVAL (MD) 6991' 6813' d type of pum	TO SKS t  D  A  FRACTU  A  ACID: 11  FRAC: F  70Q Delt  Pumped	TUBING RECORD DEPTH SET (MD) 6849'  ORE, CEMENT SQUE MOUNT AND KIND OF 0,000 gal of 7 1/2% M Pumped 1644 gal of N2 18 WBBC frac fluid 80,2 1716 sks of 20/40 CR  LL STAT WATER-BBL. 27.5  ER-BBL. OIL GR	EZE, ETC.  MATERIAL USED  ACA W/additives followed by 28,374 gals of 125 gals of 17CP 70Q Delt.  EC w/max BH concentra  FUS (Producing or shu Producing  GAS-OIL RATIO  AVITY-API (CORR.)			
5 1/2" J-55  9 SIZE  1. PERFORATION RECORD (INTERVA 6944'-698 6754'-681)  13.*  DATE FIRST PRODUCT 1-20-12  DATE OF TEST 1-20-12  FLOW. TUBING PRESS 0  14. DISPOSITION OF G.  15. LIST OF ATTACHM	LINER TOP (MD)  Interval, size and number L 13'  TION PRODUCTI HOURS TESTEI 24 CASING PRESS 0 AS (Sold, used for the state of the state	SIZE .46 .46  ON METHOD ( CHOKE SIZE 3/4" CALCULATE 24-HOUR RA7 fuel, vented, etc.)	SACKS CEMENT*  NUMBER 188 184  P(Flowing, gas lift, p Flo PROD'N. FOI TEST PERIO OIL-BBL. 27.5	SCREEN (MD)  32  DEPTH INTE 6944'-( 6754'-(  PRODUCTION DUMPING—Size and wing OIL—BBLS. 27.5  GAS—MC	30 SIZE 2 3/8"  ACID, SHOT EVAL (MD) 6991' 6813'  d type of pum GAS-MC	TO SKS t  D  A  FRACTU  A  ACID: 11  FRAC: F  70Q Delt  Pumped	TUBING RECORD DEPTH SET (MD) 6849'  ORE, CEMENT SQUE MOUNT AND KIND OF 0,000 gal of 7 1/2% M Pumped 1644 gal of N2 18 WBBC frac fluid 80,2 1716 sks of 20/40 CR  LL STAT WATER-BBL. 27.5  ER-BBL. OIL GR	EZE, ETC.  MATERIAL USED  ACA W/additives followed by 28,374 gals of 125 gals of 17CP 70Q Delt.  EC w/max BH concentra  FUS (Producing or shu Producing  GAS-OIL RATIO  AVITY-API (CORR.)			
5 1/2" J-55  9 SIZE  1. PERFORATION RECORD (INTERVA 6944'-695 6754'-681)  3.*  DATE FIRST PRODUCT 1-20-12  DATE OF TEST 1-20-12  FLOW. TUBING PRESS 0  4. DISPOSITION OF G.  5. LIST OF ATTACHM  6 I hereby certify that the fore	LINER TOP (MD)  Interval, size and number L 13'  TION PRODUCTI HOURS TESTEI 24 CASING PRESS 0 AS (Sold, used for the state of the state	SIZE .46 .46  ON METHOD ( CHOKE SIZE 3/4" CALCULATE 24-HOUR RA7 fuel, vented, etc.)	SACKS CEMENT*  NUMBER 188 184  P(Flowing, gas lift, p Flo PROD'N. FOI TEST PERIO OIL-BBL. 27.5	SCREEN (MD)  32  DEPTH INTE 6944'-( 6754'-( 6754'-(  DUMPING-Size and wing OIL-BBLS. 27.5  GAS-MC	30 SIZE 2 3/8"  ACID, SHOT EVAL (MD) 6991' 6813'  d type of pum GAS-MC	70 sks t	TUBING RECORD DEPTH SET (MD) 6849'  ORE, CEMENT SQUE MOUNT AND KIND OF 0,000 gal of 7 1/2% M Pumped 1644 gal of N2 18 WBBC frac fluid 80,2 1716 sks of 20/40 CR  LL STAT WATER-BBL. 27.5  ER-BBL. OIL GR	EZE, ETC.  MATERIAL USED  ACA w/additives  followed by 28,374 gais of  125 gals of 17CP 70Q Delt.  EC w/max BH concentra  FUS (Producing or shu  Producing  GAS-OIL RATIO  AVITY-API (CORR.)  D BY			

RCVD FEB 24'12 OIL CONS. DIV. DIST. 3

ACCEPTED FOR RECORD

FEB 2 3 2012

FARMINGTON FIELD OFFICE BY

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); FORMATION TOP TOP DESCRIPTION, CONTENTS, ETC. BOTTOM TRUE NAME MEAS. DEPTH San Jose Surface VERT. DEPTH Nacimiento 1151' Ojo Alamo 2250' Kirtland 2358' Pictured cliffs 2558' Lewis 2710' 2975' Chacra Mesa Verde 4064 4860' Mancos Greenhorn 6668' Dakota 6753'

FORM 3160-4 (July 1992)

OMB NO 1004-0137 DIST. 3 **UNITED STATES** Expires February 28, 1995 **DEPARTMENT OF THE INTERIOR** LEASE DESIGNATION AND SERIAL NO BUREAU OF LAND MANAGEMENT FEB 17 2012 **BIA 360** 6 IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG' Jicarilla Apache DRY Harmington Field Office UNIT AGREEMENT NAME OIL X 1a. TYPE OF WORK Bureau of Land Managemer 1b. TYPE OF WELL PLUG BACK 8 FARM OR LEASE NAME WELL NO NEW X WORK DEEPEN Other 2 NAME OF OPERATOR Bonanza 9 9. API WELL NO Elm Ridge Exploration Co LLC 3 ADDRESS AND TELEPHONE NO 30-043-21002 10 FIELD AND POOL OR WILDCAT Po Box 156 Bloomfield NM 87413, 505-632-3476 4 LOCATION OF WELL (Report locations clearly and in accordance with any State requirements \*) Lindrith Gallup Dakota West 1930' FSL x 1970' FEL 11 SEC T R M, OR BLOCK AND SURVEY OR AREA At top prod. Interval reported below At total depth "J" Sec.12-T22N-R3W 14 PERMIT NO DATE ISSUED 12 COUNTY OR PARISH Sandoval County NM 15 DATE SPUDDED 16 DATE T D REACHED 7 DATE COMPL (Ready to prod.) 8 ELEVATIONS (DF RKB RT GR. ETC )\* 9 ELEV CASINGHEAD 12-12-11 12-24-11 1-27-12 7186 GL 21 PLUG BACK T.D. MD & ROTARY TOOLS CABLE TOOLS HOW MANY DRILLED BY MD TVD 6900' MD TVD 24 PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP BOTTOM NAME (MD AND TVD)\*(6944'-6991') Lindrith Gallup Dakota West 25 WAS DIRECTIONAL (6754'-6813')Lındrıth Gallup Dakota West 26 TYPE ELECTRIC AND OTHER LOGS RUN 27 WAS WELL CORED Spectral Density, high Resolution Induction Log, CBL LOG CASING RECORD (Report all strings set in well) CASING SIZE/GRADE WEIGHT LB /FT DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED 8 5/8" J-55 24# 401' 12 1/4' 260 sks to surface 5 1/2" J-55 15.5# 7153 7 7/8' 1270 sks to surface TUBING RECORD LINER RECORD SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT\* SCREEN (MD) DEPTH SET (MD) PACKER SET (MD 2 3/8 6849' ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. 31. PERFORATION RECORD (Interval, size and number) DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED SIZE NUMBER INTERVAL 6944'-6991' 46 188 6944'-6991 ACID: 10,000 gal of 7 1/2% MCA w/additives 6754'-6813 6754'-6813' 46 184 FRAC · Pumped 1644 gal of N2 followed by 28,374 gals of 70Q Delta w/BBC frac fluid 80,225 gals of 17CP 70Q Delt. Pumped 716 sks of 20/40 CRC w/max BH concentra

33."				PRODUCTION						
DATE FIRST PRODUCT	TION PRODUCTI	ON METHOD (	Flowing, gas lift.	, pumping-size and	type of pump)		LL STAT	US (Producing or she		
1-20-12	1-20-12 Flowing							Producing		
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOI	OIL-BBLS.	GAS-MCF.	WATER-	BBL.	GAS-OIL RATIO		
1-20-12	24	3/4"	TEST PERIO	27.5		27.	5			
FLOW. TUBING PRESS	CASING PRESSI	CALCULATE	OIL-BBL.	GAS-MCI	F	WATER-BBL.	OIL GRA	AVITY-API (CORR.)		
0	О	24-HOUR RAT	27.5			27.5	}			
34. DISPOSITION OF GA	AS (Sold, used for f	uel, vented, etc.)				TEST WI	TNESSED	) BY		
35. LIST OF ATTACHM	ENTS									

36 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Production Assistant TITLE

2/17/2012

ACCEPTED FOR RECORD

FEB 17 2012

FARMINGTON FIELD OFFICE

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.

GEOLOGIC MARKERS

recoveries),	тор		TO			
FORMATION	ТОР	воттом	DESCRIPTION, CONTENTS, ETC.	NAME		TRUE
San Jose	Surface		,	NAME	MEAS. DEPTH	VERT. DEPTH
Nacimiento	1151'					VERT. DET III
Ojo Alamo	2250'					
Kirtland						
Distance deliffs	2358'					
Pictured cliffs	2558'					
Lewis	2710'					Ì
Chacra	2975'					
Mesa Verde	4064'					
Mancos	4860'					
Greenhorn	6668'					
Dakota	6753'					
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