FORM 3160-4 (July 1992)

ces for Additional Data on Reverse Side)
Title 18 U S C Section 1001, makes at a crume for any person

mended

UNITED STATES
DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE: FORM APPROVED
(See other in Structions on Expires February 28, 199)

Teverse side is Lease Designation and Serial No

		_ BURE	AU OF L	AND MA	ANAGEME	NT			BIA	Cont Cont	ract 40	4 - 0042		
WELL COMPLETION OR RECOMPLETION REPORT AND LOG*									6 If INDIAN, ALLOTTEE OR TRIBE NAMEMAR 15 2012 Jicarilla Apache					
1a. TYPE OF WORK		OIL X		GAS X	DRY	1			7 UNIT AGREEN		A CE	- Tiald Office		
1b. TYPE OF WORK		WELLL	,	WELL		Other					Farmingt	on Field Office		
NEW X W	VORK DVER	DEEPEN		PLUG BACK	DIFF RESVR.	Other			8 FARM OR LEA	ASE NAM	<u>, wadureau of</u> L	and Managen		
2 NAME OF OPERATOR									Jicarilla 40		3			
Elm Ridge Exploration Co. LLC 9 API WELL NO 3 ADDRESS AND TELEPHONE NO 30.030.30248														
00-033-302														
C Box 100 Bloomile a 1414 67410											WILLICAT			
4 LOCATION OF WELL (Report locations clearly and in accordance with any State requirements*) At Surface 1750' FSL X 1730' FEL										cos				
At top prod Interval repor	rted below								OR AREA					
At total depth									"J" Sec. 35	5-T241	N-R5W			
Att total depar			14 PE	ERMII NO		DATE ISSUED			12 COUNTY OR PARISH 13 STATE					
						1			Rio An	riba	NM			
11-22-11			17 DATE CO	3-5-12		18 ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6787' GL					19 ELEV CASINGHEAD			
20 TOTAL DEPTH, MD & T		21 PLUG BACK ² 7109' мі		, MD & TVD 22 IF MULTIPLE HOW MANY*				ROT	ROTARY TOOLS		CABLE TOOLS			
24 PRODUCING INTERVA	L(S), OF TH	S COMPLETION-	-10P, BOTTON		O AND TVD)*		<u> </u>	_,			25 WAS DIRECTIONAL SURVEY MADE			
(6272' - 6398') Bas (5644' - 5840') Basi 26 TYPE ELECTRIC AND C	m Manco	s (Producing	***								27 WAS WELL CORED			
20 TIFE ELECTRIC AND	OTHER LOO		Density, I	high Re	solution Inc	duction Log. (CBL LOG			1	27 WAS WELL CORED			
23				CASING F	RECORD (Repo	rt all strings set in w	vell)							
CASING SIZE/GRA	ADE	WEIGHT, LE	./FT	DEPTH SET	(MD)	HOLE SIZE	TOP OF CE	MENT, CE	MENTING RECOR	D	AMOUNT PULLED			
8 5/8"		24#	# 381'			12 1/4" 260 sks t			surface					
5 1/2"		15.5#		715	7154' 7 7/		1100 sks to surface							
SIZE SIZE	TOP	DP (MD) BOT				SCREEN (MD)	30		TUBING RECORD DEPTH SET (MD) PACKER SET (MD)					
SIZE	TOP (F	VII.D)	BOTTOM (MD)		SACKS CEMENT*	SCREEN (MD)	2 3/8"		5644'	Treatme digit (1415)				
				-+-		 	2 3/0	 -	3044					
31. PERFORATION RECO	OPD (Internal	l size and number	·			22	ACID, SHOT, F	RACTUI	RE. CEMENT S	OUEEZI	E, ETC.			
INTE		ii, size anu numbe	SIZE		NUMBER	DEPTH INT	ERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED					
								ACID	D · 19000 gals 7 1/2" MCA Acid w/ additives					
6272' - 6398' .46 228						6272' - 6398' FRAG			Pumped 4550					
5644' -	5840'		46		262	5644' - 5840' gals			Cp 17Q delta i					
							17 CP			w/BBC f	rac fluid.			
								Pumpe	d 2150 sks 20/4	10 CRC	w/ max BH concentration	on		
33.* DATE FIRST PROD	UCTION	PRODUCT	ON METH	IOD (Flow	ing, gas lift, p		d type of pump)		L		IS (Producing or sh			
2-28-12 DATE OF TEST	HO	URS TESTES	CHOKE	SIZE		owing OIL—BBLS,	GAS-MCF.		WATER-BI		Producing GAS-OIL RATIO			
3-1-12	1	24	1/2"	PK	OD N. FOI	14	0A5-MC1.	· .	"ATEK-DI	71.4	GAS-OIL KATIO			
FLOW. TUBING PR	RESS CA				ST PERIO IL-BBL.	GAS-MC		WAT	FR-RRI O	II. CRA	VITY-API (CORR			
50		280	CALCUL 24-HOUR	ALL		1		1						
34. DISPOSITION O	OF GAS (S	Sold, used for						٠	TEST WITN	ESSED	BY			
35. LIST OF ATTAC	CHMENT	rs						, , , , , , , , , , , , , , , , , , , ,	1,,					
26 1 hombu	La Ca	and are 3 1 2												
36 I hereby certify that th				mpicte and c	orrect as determi	med from all availabl	e records							
SIGNED /	100	all	}		TTTLE	Admin	istrative Spe	ecialis	<u>t </u>	DATE	3/5/2012			

ACCEPTED FOR RECORD

MAR 2 1 2012

FARMINGTON FIELD OFFICE BY TI_So NESS

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 DESCRIPTION, CONTENTS, ETC. TOP TOP воттом TRUE NAME MEAS. DEPTH San Jose Surface VERT. DEPTH Nacimiento 965' Ojo Alamo 1974' Kirtland 2060' Pictured Cliffs 2417' Lewis 2494' Chacra 2842' Mesa Verde 3918' Mancos 4792' Greenhorn 6603' Dakota 6713'

FORM 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR SUBMIT IN DUPLICATE* FORM APPROVED
(See other in OMB NO 1004-0137

structions ons	Expires	February 28, 1995
reverse side	5 LEASE DE	ESIGNATION AND SERIAL NO

	BUREAU OF LAND MANAGEMENT									BIA Contract 40			
WELL COMPLETION OR RECOMPLETION REPORT AND LOG*										6 IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache			
1a. TYPE OF WORK		OIL WELL	x	GAS WELL	K DRY	Other		7	UNIT AGREEN				
b. TYPE OF WELL		WELL	لنتا	WELL		Office							
	work	DEEPEN		PLUG	DIFF [7		8	FARM OR LEA	ASE NAME,	WELL NO		
NEW X NAME OF OPERATOR	OVER	DELIEN	<u> </u>	BACK	RESVR	Other	El Maria			000			
Elm Ridge Exp		Co. 11 C			LE				API WELL NO		·		
ADDRESS AND TELEP		CO LLC			* 41		Marin FL. W		0-039-30		2062		
Po Box 156 Blo	oomfield	NM 874	13					10	FIELD AND P	OOL OR W	ILDCAT		
LOCATION OF WE				ordance with	any State requirement	MAR 08 2	N12		tero Gall	up			
At Surface				1	750' FSL X 1		V 146						
At top prod. Interval reported below				Farmington Field Office						OR AREA			
At total depth				Bureau of Land Managemen						"J" Sec. 35-T24N-R5W			
w total depth				14 PERMIT NO DATE ISSUED					12 COUNTY OR PARISH 13 STATE				
									Rio Ar		NM		
	DATE 1 D I		17 DA	TE COMPL (R		18 ELEVATIONS (T				15	ELEV CASINGHEA		
11-22-11 20 IOTAL DEPTH, MD &		- 8-11 21 PLUG BAG	KID MD	& TVD	1-42 3/5/16 122 IF MULTIPL		23 INTERVALS	GL	RY TOOLS	L	CABLE TOOLS		
		l			HOW MAN		DRILLED BY	Iv.	KT 100L3	1	CABLE TOOLS		
/1/1' MD 24 PRODUCING INTERV			MD DNTOP, BO		F (MD AND TVD)*					20	WAS DIRECTIONAL		
1 68121 - 6993') Ba										[SURVEY MADE		
(6272' - 6398')Ou			137										
(5644' - 5840') Ole			g) 🗶										
26 TYPE ELECTRIC AND	OTHER LOC		l Densi	ity high i	Resolution I	nduction Log,	CBLLOG			27	WAS WELL CORE		
23		Сробии				oort all strings set in		·					
CASING SIZE/GF	RADE	WEIGHT,	LB/IT		I SET (MD)	HOLE SIZE		MENT, CEMI	ENTING RECOR	dD dis	AMOUNT PULLED		
8 5/8"		24#		3	381'	12 1/4"			0 sks to surface				
5 1/2"		15.5#		7	154'	7 7/8"	7 7/8" 110		00 sks to surface				
		L IN	ER RECO	DD.				Tri	UBING RECO	_			
SIZE	TOP (M (MD)	SACKS CEMENT*	SCREEN (MD)	30 SIZE	DEPTH SET (MD)			PACKER SET (MD)		
	· · · · · · · · · · · · · · · · · · · ·		,			, , ,	2 3/8"	5644'			THE CONTROL (IVID)		
I. PERFORATION REC	CORD (Interv	al, size and num	iber)			32	ACID, SHOT, F	RACTURE	, CEMENT S	QUEEZE,	ETC.		
	ERVAL	_	_	ZE	NUMBER		ERVAL (MD)		OUNT AND KI				
- 6812" - 6995" 6272' - 6398'				16	408	6812'	4	•		Acid w/ additives			
				16 16	228	6272'	4	NC: Pumped 7935 gals N2 followed b 17 Cp 17Q delta with bbc frac fluid 3					
5644' - 5840'				+0	262	3044				CP 17Q Delta 140 w/BBC frac flui			
											rmax BH concent		
33.*						PRODUCTION		J .					
DATE FIRST PRO	DUCTION	PRODUC	CTION M	ETHOD (I			d type of pump)	L		(Producing or s		
2-28-12 DATE OF TEST	TIC.	URS TEST	ENCHO	VE CIZE		lowing OIL-BBLS.	GAS-MCF		WATERBI		oducing GAS-OIL RATIO		
3-1-12	1110	24	1		PROD'N. FOI	14	GAS-MCF	. ,	WAIEK⊶DI	ا ۱۵	AS-OIL KATIO		
FLOW, TUBING P	RESS CA	SING PRE	007		TEST PERIOL	GASMC		WATE	R-BBL, O	IL GRAV	VITY-API (COR		
50		280	CAL	CULATE) OUR RAT		1		1					
34. DISPOSITION	OF GAS					···········		i i	EST WITN	ESSED I	BY		
	·		. ,										
35. LIST OF ATTA	ACHMEN	ГS											
					· · · · · · · · · · · · · · · · · · ·								
36 I hereby certify that	the foregoing	and attached	information	is complete a	and correct as deterr	•					•		
SIGNED	CH	(Al	lle		TITLE	Admir	istrative Sp	ecialist		DATE	3/5/2012		
7			1										

RCVD MAR 14'12 OIL CONS. DIV. DIST. 3

ACCEPTED FOR RECORD

MAR 0 9 2012

FARMINGTON FIELD OFFICE BY

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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 TRUE NAME MEAS. DEPTH San Jose Surface VERT. DEPTH Nacimiento 965' 1974' Ojo Alamo Kirtland 2060' Pictured Cliffs 2417' 2494' Lewis 2842' Chacra Mesa Verde 3918' 4792' Mancos Greenhorn 6603' Dakota 6713'

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