FORM 3160-4 (July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIO

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	SUBM	Pr IN DUPERAT		FORM APPRO						
		(See other		OMB NO. 100						
_	H-/ \- \	struction reverse s		Expires: February 28, 1995						
K	1 35% 52121	The Lareverse s		5. LEASE DESIGNATION AND SERIAL NO. SF 079596						
		·		6. IF INDIAN, AL		TO T				
R	PORT AN	750 G I G	- 1	o. n. n.dan, a.	TO 1 11215 ()	CIRIDENAME .				
17	al OIXI AII	D. LOG		7. UNIT AGREEN	ÆNT NAM	В				
Y	Tambig	on, NM								
			İ	8. FARM OR LE	ASE NAME,	WELL NO.				
:Г	Other		. 1	Angel Pea	k 14 #	5s				
<u> </u>				9. API WELL NO						
يسمر	THE TEN			30-045-31						
<u>67</u>	3 13 - 1 10 1/ 30 1	N.		10. FIELD AND I		ILDCAT				
1/12		23		Basin Frui	itland C	Coal				
	On 2	163				CK AND SURVEY				
. /	2000	K5'		OR AREA		د د که د سو د				
	~V y			Section 1	4, T271	V-R10W				
		$\mathcal{E}_{\mathcal{S}}$								
٤	Same	A.				i .				
	DATE ISSUED	53.7		12. COUNTY OR	PARISH	13. STATE				
\circ	J N/A	일까		San Juan		NM				
-	18. ELEVATIONS	DF, RKB, RT, GR, E	TC.)*	1	···	19. ELEV. CASINGHEAD				
N.	6378 G	R	-							
	E COMPL.,	23. INTERVALS	ROT	ARY TOOLS		CABLE TOOLS				
IANY	/*	DRILLED BY		- <i>u</i>						
			<u> </u>	all						
						25 WAS DIRECTIONAL SURVEY MADE				
						no				
		<u> </u>				27. WAS WELL CORED				
						no				
ac-	ND (D 1 - 11 - 1 :			<u> </u>		1				
UUI	RD (Report all string HOLE SIZE	NOD OF CER	MENT	CEMENTING REC	ORD	AMOUNT PULLED				
_	8 3/4	50sx, cem				AMOUNTE OLIVED				
\dashv	6 1/4"	280 sx, cer			emp loc	7)				
+	<u> </u>	200 37, 00	11011	020 110	mp log					
-						 				
_						L				
		30.		TUBING REC						
ENT	SCREEN (MID)	1.9" 2.9# J	IEE	DEPTH SET (MI	0)	PACKER SET (MD)				
		1.8 2.8# 3	00	2183'		 				
		<u> </u>		amura a						
מוע	32.		, FRA	CTURE, CEMI						
ER	DEPTHINT	ERVAL (MD)		AMOUNT AND	KIND OF I	MATERIAL USED				
	1									
	<u> </u>									
	PRODUCTION									
and 1	ype of pump)					IUS (Producing or shut-in)				
	07 57 7	010.16=			SI WO	<u>. – </u>				
	OIL-BBLS.	GAS-MCF.	ı	WATER-BBL.	7 ×	GAS-OIL RATIO				
		1								
	C48 1401	<u></u>	17/47	D DDI	OT CT 45-	Tr. ADI (CONT.)				
	GAS-MCI	r	WATE	R-BBL.	UIL GRAVI	TY-API (CORR.)				

	BU	REAU OF	LAND M	ANAG	EMENT				SF 079596			
WELL CO	MDI	TION C	D DECC	MOI	ETION P	A TEGGG	אל וימוע	245	6. IF INDIAN, AL	LOTTEE OF	R TRIBE NAME	
a. TYPE OF WORK	1V1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- HON C	N NECC	/IVIT L	EIIONN	EFUNIA	HD: LOC		7. UNIT AGREEN	ENT NAM	E	
b. TYPE OF WELL		OIL		GAS	DRY	Tarring	r J ion, M i	M				
		_	·		_				8. FARM OR LEA	SE NAME,	WELL NO.	
	ORK.	DEEPEN.		PLUG. BACK.	DIFF RKSVR.	Otto	er		Angel Pea	k 14 #	5s	
NAME OF OPERATOR									9. API WELL NO	٠.		
Kukui Operating C	ompan	ly			***	1711/1877	en e		30-045-31			
ADDRESS AND TELEPHONE		01127	070/5/1	1145	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	311 11/			10. FIELD AND P			
P.O. Box 737, Ignac LOCATION OF WELL (Report	logical d	8113/	970/563-0			<u> </u>	- 		Basin Frui		CK AND SURVEY	
At Surface			ano will any on	ee redomenn		OUT PARA	≤ 3		OR AREA			
660' FNL & 660' F	WL (N	WNW)			_ (ා 🧠	~~03		•	Section 1	1, T27N	V-R10W	
At top prod. Interval reported belo	W.		*		[-]		Ю					
same					10 4	16 July 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	134					
At total depth				ERMIT NO	1 1/2 -	DATE ISS	JED (S)		12. COUNTY OR		13. STATE	
same	·	·	N/.		\\	. N/A	<u>√(b)ĕ/.</u>		San Juan		NM	
	TE T.D. RE 5/03	ACHED	17. DATE CO		dy to prod.)	18 ELEVATION 6378	IS (OF, RKB, RT,	, GR, ETC.)*			19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD	3/03	21. PLUG. BAC	K T.D., MD & TV		22. IF MULTIPL		23. INTERVA	ALS RC	TARY TOOLS		CABLE TOOLS	
4			•		HOW MAN		DRILLED					
					VD		>	<u>'L</u>	all			
24. PRODUCING INTERVAL(S)	, of this (COMPLETION-T	OP, BOTTOM, N	WE (WD)	AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE	
Fruitland Coal, 20	07'-22:	32'									no	
26. TYPE ELECTRIC AND OTH											27. WAS WELL CORED	
Compensated Neu	utron L	og, Temp	erature Lo	g	·						no	
23.	***************************************				CASING RECOI	RD (Report all str	ings set in well	l) .				
CASING SIZE/GRAI	Œ	WEIGHT			H SET (MD)	HOLE SIZE			, CEMENTING REC	ORD	AMOUNT PULLED	
7", J55		20#			131'				to surface			
4 1/2", J55		 	10.5#		2350'	6 1/4"	280 SX	<u>, cemei</u>	nt to 520' (te	mp log	<u>//</u>	
	·						+				 	
·		<u> </u>					-				<u> </u>	
29. SIZE			NER RECORD		SACKS CEMENT	SCREEN (M	30. D) SIZE		TUBING RECORD DEPTH SET (MD)		DACKIN COLOCO	
3145	TOP (MD)		BOTTOM (MD)		SACKS CEMENI	SCREEN (M.		9# J55			PACKER SET (MD)	
					· · · · · · · · · · · · · · · · · · ·		7.10 27	1			 	
31. PERFORATION RECORD	(Interval,	size and num ber)		·		32.	ACID,	SHOT, FR	ACTURE, CEME	NT SQUE	EZE, ETC.	
INTERVALS				ZE	NUMBER	DEPTH I	NTERVAL (MD)	AMOUNT AND	KIND OF	MATERIAL USED	
2007'-2232', 3 spt	•		.3	4	204	<u> </u>						
												
22.4					 _	DD OP VOTE					·	
33.* DATE FIRST PRODUCTION		PRODUCTIO	N METHOD (Flo	wing, gas li	ft, pumping—size and	PRODUCTION type of pump)	· ·		<u></u>	WELL STA	IUS (Producing or shut-in)	
T.B.D.			<u> </u>							SI WO		
DATE OF TEST	HC	URS TESTED	CHOKE SE	E	PROD'N. FOR	OIL-BBLS.	GAS-MCF		WATER-BBL.		GAS-OIL RATIO	
	1		N/A	1	TEST PERIOD							
FLOW. TUBING PRESS.	CA	SING PRESSUR		TED 1	OIL-BBL.	GAS-1	MCF.	WAT	ER-BBL.	OIL GRAVI	TY-API (CORR.)	
			24-HOUR I		i			"	A.P.			
				->					POL		ED FOR RECOR	
34. DISPOSITION OF GAS (So	ld, used for	fuel, vented, etc.)							TEST WITNES	SED BY	P A P	
35. LIST OF ATTACHMENTS										<u>0</u> C1	<u> 1 5 2003 </u>	
Well Bore diagrar	n								(- A	OS PILO	TONFILL	
	1.	10.	1						• • •		O THE	
SIGNED	Nr.	#111/n	Allan.			V.P. of En	aineerina	& Dave	elopment B	DAT	10/3/2003	
	4444	4//	1 4 K K Z Z				J J y				2 19/3/2003	

*(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 recoveries);

38. GEOLOGIC MARKERS

recoveries);	TOP BOTTOM		DESCRIPTION, CONTENTS, ETC.		ТОР	
FORMATION	108	BOTTOM		NAME		TRUE
Fruitland coal	2007'	2232'	Coal			VERT. DEPTI
	1	:				
				Fruitland	1836'	1836'
				Pictured Cliff	2240'	2240'
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KB=5'

131'

7", 23#, J-55,STC, csg cmt'd to surface Cemented with 50 sx (59 cu ft) Cl B w 3% CaCl & 1/4#/sx celioflake Circ 5 bbls of good cement to surf

1.9" 2.9# J-55 tubing landed at 2183'

Fruitland Coal perfs 2007'-10' 2018'-22' 2036'-38' 2094'-97' 2099'-2116' 2120'-24' 2150'-54' 2182'-84' 2190'-92' 2194'-98' 2208'-32'

Two stage foam frac first stage 41,000# X 280 bbl 60 Q Sand wedge second stage 37,000# X 241 60Q Sand wedge

4 1/2", 10.5# J-55, STC, CSG
Top of marker jt at 1864', FC @ 2323'
Cemented w/ 180 sx (385 cu ft) CL B, 2%
econolite w/ 1/4#/sx celloflake & 5#/sk gilsonite
followed w 100 sx (123 cu ft) CL B w 1/4#/sk
celloflake & 5#/sk gilsonite
Good circulation but no cement to surface
Temp survey indicates TOC @ 520'

PBTD @ 2323' TD @ 2350'