	0734	156 BE	CEIVED				
Form 3160-3 (August 1999) UNITED STATE	A CO	16 2003 APR	24 PM 3: 4	FORM APPRO OMB No. 1004 Expires November	4-0136 - 30, 2000		
DEPARTMENT OF THE BUREAU OF LAND MAN	5. Lease Serial No. 080/8/ SF-077329						
APPLICATION FOR PERMIT TO	6. If Indian, Allottee or Tribe Name						
		95 81 gr		7. If Unit or CA Agreemen	t, Name and No.		
1a. Type of Work: X DRILL REF	Common a	406B					
H	_		,	8. Lease Name and Well N	44		
b. Type of Well: Oil Well Gas Well Other	X s	ingle Zone	Multiple Zone	Angel Peak	13 #1S		
Name of Operator Kukui Operating C				9. API Well No. 30045 31644			
•	3A. Address 3b. Phone No. (include area code)						
c/o Walsh Engineering,7415 E. Main, Farmington, NM 87402 4. Location of Well (Report location clearly and in accordance with	any State req	(505) 327-4 uirements.*)	092	Basin Fruitla			
At surface 660' FNL and 1420' FWL		ŕ		,,	·		
At proposed prod. Zone				Sec. 13, T27N, R10W			
14. Distance in miles and direction from nearest town or post office* 10 miles southeast of B		NM		12. County or Parish San Juan	13. State		
15. Distance from proposed* location to nearest	16. No. of A		17. Spacing Unit de		I sasas		
property or lease line, ft. (Also to nearest drig. unit line, if any)	3	320+		320 acres W/2			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1150'	19. Proposed	d Depth 2100'	20. BLM/BIA Bond	sond No. on file			
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approxi	mate date work wi	ll start*	23. Estimated duration			
6078' GL May 15, 2003				1 week			
	24. A	ttachments					
The following, completed in accordance with the requirements of Or	shore Oil and	Gas Order No. 1, s	shall be attached to thi	s form:			
1. Well plat certified by a registered surveyor.		4. Bond to co	ver the operations ur	nless covered by an existing be	ond on file (see		
2. A Drilling Plan.		Item 20 ab	ove).	· -			
3. A Surface Use Plan (if the location is on National Forest System)	Lands, th	5. Operator ce	ertification.				
SUPO shall be filed with the appropriate Forest Service Office.		6. Such other authorized		on and/or plans as may be req	uired by the		
25. Signature Name (Printed/Typed)				Date			
Tand C. Thomas -		Paul	C. Thompson,	P.E.	4/24/03		
Title		Agent					
Approved by David J. Markiewicz	Nai	me (Printed/Typed,)	Date	G - 4 2003		
Title	Offi	ce					
	<u>_</u>						
Application approval does not warrant or certify that the applicant h	olds legal or e	quitable title to the	ose rights in the subjec	t lease which would entitle the	e applicant to conduct		
operations thereon. Conditions of approval, if any, are attached.			•				
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make	e it a crime for	any person knowi	ngly and willfully to r	make to any department or age	ncy of the United		
States any false, fictitious or fraudulent statements or representation							
*(Instructions on reverse)							

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

District I. PO Box: 1980, Hobbs, NM 88241-1980

District II PO Drawer QD, Artesia, NM 88211-0719

District III 1000 Rio Brazos Rd., Aztec, NM 87410

District IV PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy Minerals & Natural Resources Departm

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504–2088

Revised February 21, 1994 Instructions on back

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

BUX 2000, 3	dita re,	NM 87504-2	WELL	I NCATT	ΌΝ ΔΝΠ Δ	CREAGE	DEDI	ΈΔΤΤ	'NN PI	ΛΤ		
2001	Number	1100	,	Pool Cod	e	D ACREAGE DEDICATION PLAT POOL Name BASIN FRUITLAND CO.				!		
Property (Code	644			°Propert	ty Name PEAK 13			*Well Number			
'OGRID N 14967			KU	KUI OF		tor Name °Elevatio			levation 5078			
				1	¹⁰ Surface	Locatio			_			
UL or lat no.	Section 13	Township 27N	Range 10W	Lot Idn	Feet from the	North/Sout		l	from the	East/West WES		SAN JUAN
UL or lot no.	Section	11 B	Ottom Range	Hole L	ocation Feet from the	If Diffe			N Surf	ace East/West	line	County
² Dedicated Acres	320	.0 Acres	5 - (W	/2)	13 Joint or Infill	¹⁴ Consolidatio	n Code	¹⁵ Order	No.			
NO ALLOW	ABLE W	ILL BE A	ASSIGNE NON-S	D TO TH	IS COMPLET UNIT HAS E	ION UNTIL BEEN APPR	ALL	INTE BY TI	RESTS H HE DIVI	AVE BEE SION	N CON	NSOL IDATED
1420		77329		To the second se	1320.00' 5 6 7 8 0 // AUG 2003 NECTONS. DIV. DIST. 3	LC LC	74.46 OT 1	2640.00	I hereby containe to the to th	certify the derein is nest of my k	at the strue are knowledge	e and belief
. 5280.00				13	MM 8: 01	Faming (2642.64	I hereby shown on notes of my supervand corredom Signature	this plat wa actual survey actual survey ision, and to to the big Survey and Seal o	t the war as ploties made that the est of formal of the fo	CH 11, 200 ssional Surveyor
	264	1 40 .00 '			1320.007	AEOE!] 118.36	5'	Certi	ficate Nu	. E mber	DWARD 15269

Kukui Operating Company OPERATIONS PLAN Angel Peak 13 #1S

I. Location: 1780' FSL & 1915' FEL

Date: April 18, 2003

Sec 13 T27N R10W San Juan County, NM

Field: Basin Fruitland Coal

Elev: GL 6078'

Surface: BLM

Minerals: SF - 077329

II. Geology: Surface formation _ Nacimiento

Α.	Formation Tops	Depths
	Ojo Alamo	1065'
	Kirtland	1120′
	Fruitland	1710'
	Pictured Cliffs	1950'
	Total Depth	2100'

Estimated depths of anticipated water, oil, gas, and other mineral bearing formations which are expected to be encountered:

Water and gas - 1710'and 1950'.

- B. Logging Program: Induction/GR and neutron/density logs at TD.
- C. No over pressured zones are expected in this well. No H_2S zones will be penetrated in this well. Max. BHP = 500 psig.

III. Drilling

- A. Contractor:
- B. Mud Program:

The surface hole will be drilled with a fresh water mud.

The production hole will be drilled with a fresh water polymer mud. The weighting material will be drill solids or if conditions dictate, barite. The maximum mud weight expected is 8.5 ppg.

C. Minimum Blowout Control Specifications:

Double ram type or annular type 2000 psi working pressure BOP with a rotating head. See the attached exhibits (#1 and #2) for details on the BOP equipment. All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1000 psi.

C. Cont.

The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

IV. Materials

A. Casing Program:

Hole Size	Depth	Casing Size	Wt. & Grade
8-3/4"	120'	7"	20# K-55
6-1/4"	2100'	4-1/2"	10.5# K-55

- B. Float Equipment:
- a) Surface Casing: None
- b) Production Casing: 4-1/2" cement guide shoe and self fill insert float collar. Place float one joint above shoe. Five centralizers spaced every other joint above shoe and five turbolizers every other joint from the top of the well.

V. Cementing:

Surface casing: 7" - Use 30 sx (36 cu. ft.) of Cl "B" with 2% $CaCl_2$ (Yield = 1.18 cu. ft./sk; slurry weight = 15.6 PPG). 100% excess to circulate cement to surface. WOC 12 hours. Pressure test surface casing to 600 psi for 30 min.

Production Casing: 4-1/2" - Before cementing circulate hole with at least 1-1/2 hole volumes of mud. Precede cement with 30 bbls of fresh water. Lead with 155x (319 cu.ft) of Cl "B" with 2% SMS, ¼#/sk. celloflake. (Yield = 2.06 cu.ft./sk; slurry weight = 12.5 PPG). Tail with 100 sx (118 cu.ft.) of Cl "B" with 2% CaCl₂, and ¼#/sk. celloflake/sk. (Yield = 1.18 cu. ft./sk; slurry weight = 15.6 PPG) Total cement volume is 437 cu.ft. (100% excess to circulate cement to surface).

Paul C. Thompson, P.E.