UNITED STATES DEPARTMENT OF THE INTERIOR

Form 3160-4

FORM APPROVED OMB NO. 1004-0137

				NO MANA	ACEMEN'	т		Environ Novo	20 2000	
		BUKEA	U OF LA	MAN/	GEMEN	•		Expires: Nover 5. Lease Ser		
WELL COMPLETION OR RECOMPLETION REPORT AND LOG						NMNM - 103604				
a. Type of Well		x Ga	s Well 🗆	Dry Othe				6. If Indian,	Allottee or	Tribe Name
. Type of Com	pletion:	New W	X Work O	ver 🗌 Deep	en 🗌 F	Plug Back 🗔	Diff. Resvr.			
	Other							7. Unit or CA	Agreemen	t Name and No.
2. Name of O	perator	ĸ	JKUI Oper	rating Co	mpany	/				
					· · · · · ·			8. Lease Nan		
3. Address	601 Vestavia	Pkwy., St.	240		3a. Ph	ione No. (inclu	ide area code)			ederal # 1
	Vestavia, Alat					205) 823-2	977	9. API Well		- 015 - 31096
4. Location of	Well (Report lo							10. Field and I		-
At Surface	2,180	FWL &	660' FSL	Sec.	35 - T23S	- R29E		11. Sec., T., R		von - Bone Spring
										ec. 35 - 23S - 29E
At top pro	d. interval report	ed below						12. County or		
At total de	oth							Eddy		New Mexico
4. Date Spud		Date T.D.	Reached	1	6. Date Co	ompleted	11/27/2000	17. Elevation	s (DF, RK	B, RT, GL)*
-	3 / 2000	6/9/2000			12	D&A X	Ready to Pro			· · ·
Total Dept	h: MD 11,59	3' DPM	19.	Plug Back 1	rd: MD	9,916'	20. Dep	pth Bridge Plug		AD 10,316'
	TVD				TVD					
	ric & Other Mec		-	(Submit co						s (Submit analysis)
IL & NGRL (L-GR&CI	NL - LDT - GF	R (Bone S	pring)	Was DST ru			s(Submit report) s(Submit Copy)
SD - NL (W Casing and	olfcamp) d Liner Record	CBL Report all	strings in v	veli)			Directional S			
- arenig all						Stage Cement			.	
Hole Size	Size/Grade	Wt. (#/ft				Tool Depth	Type of Ce			Top* Amount Pulled
	40 0101 1 55	54.50	sur	face t	581 '		470 sks. Cl		surface surface	
17 1/2"	13 3/8" J-55				4501		4 000 aka			
12 1/4"	9 5/8" K-55	36.0			,150' 0 609'	7 197'	1,000 sks.			
12 1/4" 8 3/4" 6 1/8"	9 5/8" K - 55 7" P - 11(4 1/2" P - 11(26.0	su	rface 1	,150' 0, 609' 1,571'	7,197'	1,000 sks. 1,015 sks. 150 sks. (Class H 242	5,350' ((10,512'	
12 1/4" 8 3/4" 6 1/8" 	9 5/8" K - 55 7" P - 11(4 1/2" P - 11) ecord hepth Set (MD) 7,943') 26.0) 13.5 Packer [su	face 1 512' 1 Size D	0, 609' 1,571' Depth Set ((MD) Pack	1,015 sks.	Class H 242 Class H 25	5,350' (🤇	CBL)
12 1/4" 8 3/4" 6 1/8" Size 2 7/8" Producing	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals) 26.0) 13.5 Packer E Model N	sun 10, Depth (MD) 1 @ 7,941'	face 1 512' 1 Size E	0, 609' 1,571' Depth Set (3. Perfora	MD) Pack tion Record	1,015 sks. 150 sks. (Class H 242 Class H 25	5,350' ((10,512' n Set (MD	CBL)
12 1/4" 8 3/4" 6 1/8" . Tubing Rd Size D 2 7/8" . Producing For	9 5/8" K - 55 7" P - 11(4 1/2" P - 11) ecord hepth Set (MD) 7,943') 26.0) 13.5 Packer [Model N Top	sun 10, Depth (MD) 1 @ 7,941' Bot	face 1 512' 1 Size [0,609' 1,571' Depth Set (3. Perfora Perfora	(MD) Pack	1,015 sks. 150 sks. (er Depth (MD	Class H 242 Class H 25	5,350' ((10,512' n Set (MD	CBL)
12 1/4" 8 3/4" 6 1/8" . Tubing Rd Size D 2 7/8" . Producing Forr Wolfcamp	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals nation) 26.0) 13.5 Packer [Model N Top	sur 10, Depth (MD) 1 @ 7,941' Bot CBL) 11,464	face 1 512' 1 Size [0, 609' 1,571' Depth Set (3. Perfora Perfora 1,439' - 11.	MD) Packi ition Record ited Interval	1,015 sks. (150 sks. (er Depth (MD Size	Class H 242 Class H 25 I) Size Depti No. Holes	5,350' ((10,512' n Set (MD Pr Schlumb	CBL)) Packer Depth (M erf. Status
12 1/4" 8 3/4" 6 1/8" . Tubing Rd Size D 2 7/8" . Producing For	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals nation) 26.0) 13.5 Packer E Model N <u>Top</u> 11,414' (sur 10, Depth (MD) 1 @ 7,941' Bot CBL) 11,464	rface 1 512' 1 Size [26 ttom1'(CBL) 1	0, 609' 1,571' Depth Set (3. Perfora Perfora 1,439' - 11.	MD) Packet tion Record ted Interval 464' 2 spf	1,015 sks. (150 sks. (er Depth (MD Size .28 "	Class H 242 Class H 25) Size Depti No. Holes 50	5,350' ((10,512' n Set (MD Pr Schlumb	CBL)) Packer Depth (M erf. Status erger - 8 / 10 / 2000
12 1/4" 8 3/4" 6 1/8" . Tubing Re Size D 2 7/8" . Producing Forr Wolfcamp Bone Spring	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals nation) 26.0) 13.5 Packer E Model N <u>Top</u> 11,414' (sur 10, Depth (MD) 1 @ 7,941' Bot CBL) 11,464	rface 1 512' 1 Size [26 ttom1'(CBL) 1	0, 609' 1,571' Depth Set (3. Perfora Perfora 1,439' - 11.	MD) Packet tion Record ted Interval 464' 2 spf	1,015 sks. (150 sks. (er Depth (MD Size .28 "	Class H 242 Class H 25) Size Depti No. Holes 50	5,350' ((10,512' n Set (MD Pr Schlumb	CBL)) Packer Depth (M erf. Status erger - 8 / 10 / 2000
12 1/4" 8 3/4" 6 1/8" . Tubing Rd Size D 2 7/8" . Producing Forr Wolfcamp Bone Spring	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals nation) 26.0) 13.5 Packer [Model N Top 11,414' (7,966' ([sur 10, Depth (MD) 1 @ 7,941' Bol CBL) 11,464 D/N) 8,242	rface 1 512' 1 Size C 26 ttom 1' (CBL) 1 ' (D/N) 7	0, 609' 1,571' Depth Set (3. Perfora 1,439' - 11, 966' - 8,24	(MD) Packi tion Record ted Interval 464' 2 spf 12' 4 zones	1,015 sks. (150 sks. (er Depth (MD Size .28 " .42"	Class H 242 Class H 25) Size Depti No. Holes 50	5,350' ((10,512' n Set (MD Pr Schlumb	CBL)) Packer Depth (M erf. Status erger - 8 / 10 / 2000
12 1/4" 8 3/4" 6 1/8" . Tubing R Size D 2 7/8" . Producing Forr Wolfcamp Bone Spring . Acid, Fra	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals mation) 26.0) 13.5 Packer E Model N Top 11,414' (7,966' (I Cement S	sur 10, Depth (MD) 1 @ 7,941' CBL) 11,464 CBL) 11,464 D/N) 8,242 Squeeze, Etc	rface 1 512' 1 Size C 26 ttom I' (CBL) 1 ' (CBL) 1	0, 609' 1,571' Depth Set (3. Perfora 1,439' - 11, 966' - 8,24 Amour	(MD) Pack tion Record ted Interval (464' 2 spf 12' 4 zones	1,015 sks. (150 sks. (er Depth (MD Size .28 " .42" of Material	Class H 242 Class H 25) Size Depti No. Holes 50 128	5,350' ((10,512' n Set (MD Schlumb Schlumb	CBL)) Packer Depth (M erf. Status erger - 8 / 10 / 2000
12 1/4" 8 3/4" 6 1/8" . Tubing Re Size D 2 7/8" . Producing Forr Wolfcamp Bone Spring . Acid, Fra Dep 10,512' - 10	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals nation 9 cture, Treatment, 509' +) 26.0) 13.5 Packer [Model N <u>Top</u> 11,414' (7,966' ([<u>Cement S</u> Squee	sur 10, Depth (MD) 1 @ 7,941' Bol CBL) 11,464 D/N) 8,242 Squeeze, Etc ze liner top	face 1 512' 1 Size C 26 ttom 1'(CBL) 1 '(CBL) 1	0, 609' 1,571' Depth Set (3. Perfora 1,439' - 11, 966' - 8,24 Amour Class H (MD) Packi ition Record ited Interval ,464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 9 bbls.)	1,015 sks. (150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum	Class H 242 Class H 25) Size Depti No. Holes 50 128 ne included in se	5,350' ((10,512' n Set (MD Schlumb Schlumb	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000
12 1/4" 8 3/4" 6 1/8" . Tubing Re Size D 2 7/8" . Producing Forr Wolfcamp Bone Spring . Acid, Fra Dep 10,512' - 10	9 5/8" K - 55 7" P - 11(4 1/2" P - 11(ecord hepth Set (MD) 7,943' 1 Intervals mation 9 cture, Treatment th Interval) 26.0) 13.5 Packer [Model N <u>Top</u> 11,414' (7,966' ([<u>Cement S</u> Squee	sur 10, Depth (MD) 1 @ 7,941' Bol CBL) 11,464 D/N) 8,242 Squeeze, Etc ze liner top	face 1 512' 1 Size C 26 ttom 1'(CBL) 1 '(CBL) 1	0, 609' 1,571' Depth Set (3. Perfora 1,439' - 11, 966' - 8,24 Amour Class H (MD) Packi ition Record ited Interval ,464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 9 bbls.)	1,015 sks. (150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum	Class H 242 Class H 25) Size Depti No. Holes 50 128	5,350' ((10,512' n Set (MD Schlumb Schlumb	CBL)) Packer Depth (M erf. Status erger - 8 / 10 / 2000
12 1/4" 8 3/4" 6 1/8" . Tubing Re Size D 2 7/8" . Producing Forr Wolfcamp Bone Spring . Acid, Fra Dep 10,512' - 10	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals nation 9 cture, Treatment, 509' +) 26.0) 13.5 Packer [Model N <u>Top</u> 11,414' (7,966' ([<u>Cement S</u> Squee	sur 10, Depth (MD) 1 @ 7,941' Bol CBL) 11,464 D/N) 8,242 Squeeze, Etc ze liner top	face 1 512' 1 Size C 26 ttom 1'(CBL) 1 '(CBL) 1	0, 609' 1,571' Depth Set (3. Perfora 1,439' - 11, 966' - 8,24 Amour Class H (MD) Packi ition Record ited Interval ,464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 9 bbls.)	1,015 sks. (150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum	Class H 242 Class H 25) Size Depti No. Holes 50 128 ne included in se	5,350' ((10,512' n Set (MD Schlumb Schlumb	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000
12 1/4" 8 3/4" 6 1/8" 	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals nation 9 cture, Treatment, 509' +) 26.0) 13.5 Packer [Model N Top 11,414' (7,966' ([Cement S Squee Frac I	sur 10, Depth (MD) 1 @ 7,941' Bol CBL) 11,464 D/N) 8,242 Squeeze, Etc ze liner top	face 1 512' 1 Size C 26 ttom I' (CBL) 1 ' (CBL) 1 ' (D/N) 7	0, 609' 1,571' Depth Set (3. Perfora 1,439' - 11, 966' - 8,24 Amour Class H (vith 50,000 y	(MD) Pack tion Record ted Interval 464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 9 bbls.) gals. WF 130 ff	1,015 sks. 150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum luid and 1,389	Class H 242 Class H 25) Size Depti No. Holes 50 128 ne included in se sks. 20/40 Ottaw	5,350' ((10,512' n Set (MD Schlumb Schlumb ction 23. a sand.	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000
12 1/4" 8 3/4" 6 1/8" . Tubing R . Size D 2 7/8" . Producing . Producing . Bone Spring . Acid, Fran Dep 10,512' - 10, 7,966' - 8,2 . Product Bate First	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord lepth Set (MD) 7,943' 1 Intervals mation 9 cture, Treatment, hth Interval ,609' + 242' (gross int.)) 26.0) 13.5 Packer I Model N Top 11,414' (7,966' (I Cement S Squee Frac I A Hours	sur Depth (MD) M @ 7,941' Bol CBL) 11,464 Squeeze, Etc ze liner top Bone Spring Test	face 1 512' 1 Size C 26 100 1'(CBL) 1 (CBL) 1 (CBL	0, 609' 1,571' Depth Set (3. Perfora 1,439' - 11, 966' - 8,24 Amour Class H (vith 50,000 g	MD) Packi tion Record ted Interval 464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 4 zones 13' 4 zones 14' 2 spf 13' 4 zones 13' 4 zones 14' 2 spf 13' 4 zones 14' 2 spf 14' 2 spf 13' 4 zones 14' 2 spf 14' 2 s	1,015 sks. (150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum luid and 1,389 Gas	Class H 242 Class H 25) Size Depti No. Holes 50 128 ne included in se	5,350' ((10,512' n Set (MD Schlumb Schlumb ction 23. a sand.	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000
12 1/4" 8 3/4" 6 1/8" . Tubing Rd Size D 2 7/8" . Producing Forr Wolfcamp Bone Spring . Acid, Fran Dep 10,512' - 10, 7,966' - 8,2 8. Product Date First Produced	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord lepth Set (MD) 7,943' 1 Intervals mation 9 cture, Treatment, th Interval 609' + 142' (gross int.)) 26.0) 13.5 Packer I Model N Top 11,414' (7,966' (I Cement S Squee Frac I A Hours Tested	sur 10, Depth (MD) 1 @ 7,941' CBL) 11,464 D/N) 8,242 Squeeze, Etc ze liner top Bone Spring	face 1 512' 1 Size [26 ttom I' (CBL) 1 ' (D/N) 7	0, 609' 1,571' Depth Set (3. Perfora Perfora 1,439' - 11 966' - 8,24 Amour Class H (vith 50,000 ; Sas Water ICF BBLS. 31 0.4	MD) Packa tion Record ted Interval 464' 2 spf 12' 4 zones ht and Type of 9 bbls.) gals. WF 130 ff Oil Gravity Corr. API 58.5	1,015 sks. 150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum luid and 1,389 Gas Gravity 0.665	Class H 242 Class H 25) Size Depti No. Holes 50 128 ne included in se sks. 20/40 Ottaw Productior Flowing	5,350' ((10,512' n Set (MD Schlumb Schlumb ction 23. a sand.	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000
12 1/4" 8 3/4" 6 1/8" . Tubing R Size D 2 7/8" . Producing Forr Wolfcamp . Bone Spring . Acid, Fra Dep 10,512' - 10, 7,966' - 8,2 8. Product Date First Produced 8/11/2000 Choke	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord lepth Set (MD) 7,943' 4 Intervals mation 9 cture, Treatment, 509' + 142' (gross int.) ction - Interval Test Date 8 / 12 / 2000 Tbg, Press.	26.0 26.0 13.5 Packer E Model M Top 11,414' (7,966' (I Cement S Squee Frac I A Hours Tested 4 Csg.	sur 10, Depth (MD) 1@7,941' Bot CBL) 11,464 D/N) 8,242 Squeeze, Etc squeeze, Etc ze liner top 1 Bone Spring Test Production ₽ 24 Hr.	face 1 512' 1 Size [] 26 100 1'(CBL) 1 '(CBL) 1 '	0, 609' 1,571' Depth Set (3. Perfora 1,439' - 11, 966' - 8,24 Amour Class H (vith 50,000 y vith 50,000 y sas Water ICF BBLS. S1 0.4 Sas Water	(MD) Packi tion Record ted Interval (464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 4 zones 13' 5	1,015 sks. (150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum luid and 1,389 Gas Gravity	Class H 242 Class H 25) Size Depti No. Holes 50 128 ne included in se sks. 20/40 Ottaw Productior Flowing	5,350' ((10,512' n Set (MD Schlumb Schlumb ction 23. a sand.	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000
12 1/4" 8 3/4" 6 1/8" . Tubing R . Size D 2 7/8" . Producing Forr Wolfcamp Bone Spring . Acid, Fra Dep 10,512' - 10, 7,966' - 8,2 . Product Bate First Produced 8. Product Size	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord lepth Set (MD) 7,943' 4 Intervals mation 9 cture, Treatment, 509' + 142' (gross int.) ction - Interval 7est Date 8 / 12 / 2000 Tbg. Press. Fiwg. 6,30	26.0 26.0 13.5 Packer E Model M Top 11,414' (7,966' (I Cement S Squee Frac I A Hours Tested 4 Csg. 0 Press.	sur 10, Depth (MD) 1@ 7,941' Boi CBL) 11,464 D/N) 8,242 Squeeze, Etc ze liner top Bone Spring Test Production	face 1 512' 1 Size C 26 26 10 10 10 10 10 10 10 10 10 10	0, 609' 1,571' Depth Set (3. Perfora Perfora 1,439' - 11 966' - 8,24 Amour Class H (vith 50,000 ; Sas Water ICF BBLS. 31 0.4	MD) Packa tion Record ted Interval 464' 2 spf 12' 4 zones ht and Type of 9 bbls.) gals. WF 130 ff Oil Gravity Corr. API 58.5	1,015 sks. 150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum luid and 1,389 Gas Gravity 0.665	Class H 242 Class H 25) Size Depti No. Holes 50 128 ne included in set sks. 20/40 Ottaw Production Flowing us	5,350' ((10,512' n Set (MD Schlumb Schlumb ction 23. a sand.	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000
12 1/4" 8 3/4" 6 1/8" Size D 2 7/8" Producing Forr Wolfcamp Bone Spring 10,512' - 10, 7,966' - 8,2 8. Product Date First Produced 8/11/2000 Choke Size variable ~ 10/64	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord lepth Set (MD) 7,943' 1 Intervals mation 9 cture, Treatment, th Interval ,609' + 142' (gross int.) ctor - Interval Test Date 8 / 12 / 2000 Tbg. Press, Fiwg. 6,30 4 Si 7,10	26.0 26.0 13.5 Packer I Model N Top 11,414' (7,966' (I Cement S Squee Frac I A Hours Tested 4 Csg. 0 Press. 0 3,700	sur 10, Depth (MD) 1@7,941' Bot CBL) 11,464 D/N) 8,242 Squeeze, Etc squeeze, Etc ze liner top 1 Bone Spring Test Production ₽ 24 Hr.	face 1 512' 1 Size C 26 26 10 10 10 10 10 10 10 10 10 10	0, 609' 1,571' Depth Set (3. Perfora Perfora 1,439' - 11 966' - 8,24 Amour Class H (vith 50,000 g Sas Water ICF BBLS. 31 0.4 Sas Water ICF BBLS. 35 0.4	MD) Packa tion Record ted Interval 464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 4 zones 12' 4 zones 13' 13' 13' 13' 13' 13' 13' 13' 13' 13'	1,015 sks. 150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum luid and 1,389 Gas Gravity 0.665 Well State Flowing t	Class H 242 Class H 25 No. Holes 50 128 ne included in see sks. 20/40 Ottaw Production Flowing us to sales	5,350' ((10,512' n Set (MD Schlumb Schlumb ction 23. a sand	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000
12 1/4" 8 3/4" 6 1/8" 	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals mation 9 cture, Treatment, th Interval 609' + 142' (gross int.) 509' + 509' + 500'	26.0 26.0 13.5 Packer I Model N Top 11,414' (7,966' (I Cement S Squee Frac I A Hours Tested 4 Csg. 0 Press. 0 3,700 val B Hours	sur 10, Depth (MD) 1@ 7,941' Bol CBL) 11,464 D/N) 8,242' Squeeze, Etc ze liner top 1 Bone Spring Test Production 24 Hr. Rate Test	face 1 512' 1 Size 1 26 ttom 1' (CBL) 1 ' (CBL) 1 ' (D/N) 7 ' (D/N	0, 609' 1,571' Depth Set (3. Perfora Perfora 1,439' - 11 966' - 8,24 Amour Class H (1 vith 50,000 g Sas Water ICF BBLS. 31 0.4 Sas Water ICF BBLS. 386 2.4 Sas Water	MD) Packet tion Record ted Interval 464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 4 zones 13' 4 zones 13' 1 2' 1 2' 1 10' 1 Gravity Corr. API 58.5 Gas / Oil Ratio 28.15 10' 1 Gravity	1,015 sks. (150 sks. (er Depth (MD Size .28 " .42" .42" .42" .06 Gas Gravity 0.665 Well State Flowing to Gas	Class H 242 Class H 25) Size Depti No. Holes 50 128 ne included in set sks. 20/40 Ottaw Production Flowing us	5,350' ((10,512' n Set (MD Schlumb Schlumb ction 23. a sand	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000 11//17/00 11//17/00
12 1/4" 8 3/4" 6 1/8" Size D 2 7/8" Producing Forr Wolfcamp Bone Spring 10,512' - 10, 7,966' - 8,2 8. Product Date First Produced 8/11/2000 Choke Size variable ~ 10/64 8a. Prod	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' a Intervals mation g cture, Treatment th Interval 609' + 42' (gross int.) ctor - Interval Test Date 8 / 12 / 2000 Tbg. Press. Fiwg. 6,30 4 SI 7,10 luction - Inter Test Date	26.0 26.0	sur 10, Depth (MD) 1@ 7,941' Boin CBL) 11,464 Squeeze, Etc ze liner top Bone Spring Test Production 24 Hr. Rate	face 1 512' 1 Size C 26 ttom C(CBL) 1 '(CBL) 1 '(0, 609' 1,571' Depth Set (3. Perfora Perfora 1,439' - 11 966' - 8,24 Amour Class H (1 vith 50,000 of Sas Water ICF BBLS. 31 0.4 Sas Water ICF BBLS. 386 2.4 Sas Water ICF BBLS.	MD) Packet tion Record ted Interval 464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 4 zones 13' 4 zones 13' 1 2' 1 2' 1 10' 1 Gravity Corr. API 58.5 Gas / Oil Ratio 28.15 10' 1 Gravity	1,015 sks. 150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum luid and 1,389 Gas Gravity 0.665 Well State Flowing t	Class H 242 Class H 25 No. Holes 50 128 ne included in see sks. 20/40 Ottaw Production Flowing us to sales	5,350' ((10,512' n Set (MD Schlumb Schlumb ction 23. a sand.	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000 11/17/00 11/17/00
12 1/4" 8 3/4" 6 1/8" 	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 ecord hepth Set (MD) 7,943' 1 Intervals mation 9 cture, Treatment, th Interval 609' + 142' (gross int.) 509' + 142' (gross int.) 509' + 142' (gross int.) 509' + 12/2000 Tbg. Press, Fiwg. 6,33 4 Si 7,10 uction - Inter Test	26.0 26.0 13.5 Packer E Model N Top 11,414' (7,966' (I Cement S Squee Frac I A Hours Tested 4 Csg. 0 Press. 0 3,700 Val B Hours Tested 24 Csg.	sur 10, Depth (MD) 1@ 7,941' Boi CBL) 11,464 D/N) 8,242 Squeeze, Etc ze liner top 1 Bone Spring Production Test Production Test Production 24 Hr.	face 1 512' 1 Size [] 26 1000 1	0, 609' 1,571' Depth Set (3. Perfora 1,439' - 11, 966' - 8,24 Amour Class H (vith 50,000 g Vith 50,0	MD) Packi tion Record ted Interval ,464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 4 zones 12' 4 zones 13' 4 zones 13' 13' 13' 13' 13' 13' 13' 13' 13' 13'	1,015 sks. (150 sks. (er Depth (MD Size .28 " .42" .42" .42" .06 Gas Gravity 0.665 Well State Flowing to Gas	Class H 242 Class H 25 No. Holes 50 128 ne included in ser sks. 20/40 Ottaw Production Flowing us to sales Production Pumping / Fl	5,350' ((10,512' n Set (MD Schlumb Schlumb ction 23. a sand.	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000 11//17/00 11//17/00
12 1/4" 8 3/4" 6 1/8" . Tubing Rd Size D 2 7/8" . Producing Forr . Wolfcamp . Bone Spring . Acid, Fran Dep 10,512' - 10, 7,966' - 8,2 8. Produced 8/11/2000 Choke Size variable ~ 10/64' 8a. Produced 8/11/2000 Choke Size variable ~ 10/64' 8a. Produced 2/01/01	9 5/8" K - 55 7" P - 110 4 1/2" P - 110 record hepth Set (MD) 7,943' 1 Intervals nation 9 cture, Treatment th Interval 609' + 142' (gross int.) tion - Interval 7 est Date 8 / 12 / 2000 Tbg. Press. Fiwg. 6,30 4 Si 7,10 luction - Inter Test Date 2/24/01	26.0 26.0 26.0 13.5 Packer I Model N Top 11,414' (7,966' (I Cement S Squee Frac I A Hours Tested 4 Csg. 0 Press. 0 3,700 val B Hours Tested 24	sur 10, Depth (MD) 1@ 7,941' Bol CBL) 11,464 D/N) 8,242 Squeeze, Etc Squeeze, Etc rest Production Test Production Test Production	face 1 512' 1 Size 2 26 ttom ' (CBL) 1 ' (CBL)	0, 609' 1,571' Depth Set (3. Perfora Perfora 1,439' - 11, 966' - 8,24 Amour Class H (vith 50,000 g Sas Water ICF BBLS. 31 0.4 Sas Water ICF BBLS. 36 2.4 Sas Water ICF BBLS. 36 2.4	MD) Packi tion Record ted Interval ,464' 2 spf 12' 4 zones 12' 4 zones 12' 4 zones 12' 4 zones 12' 4 zones 13' 4 zones 13' 13' 13' 13' 13' 13' 13' 13' 13' 13'	1,015 sks. (150 sks. (er Depth (MD Size .28 " .42" of Material Note: Volum luid and 1,389 Gas Gravity 0,665 Well Stat Gas Gravity Well Stat	Class H 242 Class H 25 No. Holes 50 128 ne included in ser sks. 20/40 Ottaw Production Flowing us to sales Production Pumping / Fl	5,350' ((10,512' n Set (MD Schlumb Schlumb ction 23. a sand.	CBL) Packer Depth (M Prf. Status erger - 8 / 10 / 2000 erger - 11 / 16 / 2000 11/17/00 11/17/00

28b.	Production -	Interval	С	

)ate First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
roduced	Date	Tested	Production	BBLS.	MCF	BBLS.	Corr. API	Gravity		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBLS.		Water BBLS.	Gas / Oil Ratio	Well Status		
	SI									
Product	tion - Interva	al D				_		·····	·	
ate First	Test	Hours Tested	Test Production	Oil BBLS.			Oil Gravity Corr. API	Gas Gravity	Production Method	
roduced	Date	Iesteu		BBC3.	nici	DDLJ.		Chuviky		
hoke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas / Oil	Well Status		
lize	Fhwg. Sl	Press.	Rate	BBLS.	MCF	BBLS.	Ratio			
Disp	osition of G	ias (So	old, used	for fuel,	ven	ted, et				······
	(7	(Include	Acuito			Vent		Formation (Log)	Markore
Summa	ry of Porous	Zones	i (include	Aquiter	5):			31.	Formation (Log)	Markers
	portant zones o ling depth inter									
	nd recoveries.									
		_								Тор
ormation	Тор	B	ottom	Descri	ption	is, Coi	ntents, etc.		Name	Meas. Depth
Delaware	5,714'	5	,900'	Oil. G	as, a	nd Wa	ter		Lamar	3,190'
	6,390'		,790'	, -	,				Delaware	3,250'
									Bone Spring	6,918'
				0.1					Wolfcamp	40 400'
ne Spring			280'	OII, G	as, a	ind Wa	ter		woncamp	10,498'
ne Spring	7,960' 8,970'		280' 074'	OII, G	ias, a	ina wa	ter		Woncamp	10,430
ne Spring Wolfcamp		9,				ind Wa				10,430
Wolfcamp	8,970'	9, 1 [.]	074' 1,464'	Oil, G						10,430
Wolfcamp Additional	8,970' 11,414' remarks (inclu	9, 1 [.] de plugg	074' 1,464' Ing procedure	Oil, G	as, a	and Wa				RECEIVE
Wolfcamp Additional Like reports,	8,970' 11,414'	9, 1 de plugg	074' 1,464' ing procedure	Oil, G	as, a	ind Wa	ter	r for gas sales.		RECEIVE OCD - ARTE
Wolfcamp Additional Like reports,	8,970' 11,414' remarks (inclu logs, and attact	9, 1 de plugg	074' 1,464' ing procedure	Oil, G	as, a	ind Wa	ter	r for gas sales.		RECEIVE
Nolfcamp Additional Like reports, Presently tes	8,970' 11,414' remarks (inclu logs, and attact	9, 1 de plugg aments so e Spring	074' 1,464' ing procedure	Oil, G	as, a	ind Wa	ter	r for gas sales.		RECEIVE
Nolfcamp Additional Like reports, Presently tes Circle encl	8,970' 11,414' remarks (inclu logs, and attact ting well in Bon	9, 1 de plugg nments su e Spring nts:	074' I,464' ing procedure ent to NMOCE formation. V	Oil, G	2 office	ind Wa	iter ize compresso	r for gas sales.	4. Directional Su	RECEIVE OCD - ARTE
Wolfcamp Additional Like reports, Presently tes Circle encl 1. Elect	8,970' 11,414' remarks (inclu logs, and attach ting well in Bon osed attachmen	9, 1 de plugg ments se e Spring nts: al Logs (1	074' I,464' Ing procedure ent to NMOCE formation. M	Oil, G) District 2 /ill evaluat) 2.	Geolo	nd Wa Its and s	iter ize compresso		4. Directional Su	RECEIVE OCD - ARTE
Nolfcamp Additional Like reports, Presently tes Circle encl 1. Elect	8,970' 11,414' remarks (inclu logs, and attach ting well in Bon osed attachmen trical/Mechanica	9, 1 de plugg ments se e Spring nts: al Logs (1	074' I,464' Ing procedure ent to NMOCE formation. M	Oil, G) District 2 /ill evaluat) 2.	Geolo	nd Wa Its and s	iter ize compresso	. DST Report	4. Directional St	RECEIVE OCD - ARTE
Nolfcamp Additional Like reports, Presently tes Circle encl 1. Elect 5. Sunc	8,970' 11,414' remarks (inclu logs, and attach ting well in Bon osed attachmen trical/Mechanica dry Notice for p	9, 1 de plugg aments so e Spring nts: al Logs (1 blugging ;	074' I,464' Ing procedure ent to NMOCE formation. M	Oil, G	2 office e resul Geolo 6.	ind Wa	iter ize compresso port 3 Analysis	. DS⊺ Report 7. Other	4. Directional Su revised wellbo	RECEIVE OCD - ARTE
Nolfcamp Additional Like reports, Presently tes Circle encl 1. Elect 5. Sunc	8,970' 11,414' remarks (inclu logs, and attach ting well in Bon osed attachmen trical/Mechanica dry Notice for p	9, 1 de plugg aments so e Spring nts: al Logs (1 blugging ;	074' I,464' Ing procedure ent to NMOCE formation. M	Oil, G	2 office e resul Geolo 6.	ind Wa	iter ize compresso port 3 Analysis	. DS⊺ Report 7. Other	4. Directional St	RECEIVE OCD - ARTE
Nolfcamp Additional Like reports, Presently tes Circle encl 1. Elect 5. Sunc I hereby cer	8,970' 11,414' remarks (inclu logs, and attach ting well in Bon osed attachmen trical/Mechanica dry Notice for p	9, 1 de plugg aments se e Spring nts: al Logs (blugging a sgoing an	074' I,464' Ing procedure ent to NMOCE formation. M	Oil, G) District 2 Vill evaluat) 2. erification formation	2 office e resul Geolo 6.	ind Wa	iter ize compresso port 3 Analysis	. DST Report 7. Other	4. Directional Su revised wellbo	RECEIVE OCD - ARTE
Wolfcamp Additional Like reports, Presently tes Circle encl 1. Elect 5. Sunc I hereby cer	8,970' 11,414' remarks (inclu logs, and attach ting well in Bon osed attachmen trical/Mechanica dry Notice for p tify that the fore	9, 1 de plugg aments se e Spring nts: al Logs (blugging a sgoing an	074' I,464' Ing procedure ent to NMOCE formation. V I full set req'd and cement v d attached in	Oil, G) District 2 Vill evaluat) 2. erification formation	2 office e resul Geolo 6.	ind Wa	iter ize compresso port 3 Analysis d correct as de	. DST Report 7. Other	4. Directional Su revised wellbo	RECEIVE OCD - ARTE
Wolfcamp Additional Like reports, Presently tes Circle encl 1. Elect 5. Sunc I hereby cer	8,970' 11,414' remarks (inclu logs, and attach ting well in Bon osed attachmen trical/Mechanica dry Notice for p tify that the fore e (please print	9, 1 de plugg aments se e Spring nts: al Logs (blugging a sgoing an	074' I,464' Ing procedure ent to NMOCE formation. V I full set req'd and cement v d attached in	Oil, G) District 2 Vill evaluat) 2. erification formation	2 office e resul Geolo 6.	ind Wa	iter ize compresso port 3 Analysis d correct as de	. DST Report 7. Other termined from a Distr	4. Directional Su revised wellbo all available records (se ict Operations Man	RECEIVE OCD - ARTE
Nolfcamp Additional Like reports, Presently tes Circle encl 1. Elect 5. Sunc I hereby cer Name	8,970' 11,414' remarks (inclu logs, and attach ting well in Bon osed attachmen trical/Mechanica dry Notice for p tify that the fore e (please print	9, 1 de plugg aments se e Spring nts: al Logs (blugging a sgoing an	074' I,464' Ing procedure ent to NMOCE formation. V I full set req'd and cement v d attached in	Oil, G) District 2 Vill evaluat) 2. erification formation	2 office e resul Geolo 6.	ind Wa	iter ize compresso port 3 Analysis d correct as de	. DST Report 7. Other termined from a Distr	4. Directional St revised wellbo all available records (se ict Operations Ma	RECEIVE OCD - ARTE

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KUKUI Operating Company

GOODNIGHT '35' FEDERAL #1 (NMNM -103604) SEC. 35 - T 23 S - R 29 E EDDY COUNTY, NEW MEXICO

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BONE SPRING COMPLETED WELLBORE SCHEMATIC AND PUMP SETTING



Larry K. Strider 1/24/01

1/24/01

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	STATES		s. Division
DEPARTMENT OF	THE INTE	RIOBB11 S. 1st Str	reet
BUREAU OF LAN SUBSTITUTE FORM 3160-5 (APPROVEI	ID MANAGEI	MENTArtesia, NM 8	8210-2834
SUBSTITUTE FORM 3160-5 (APPROVED) June, 1992,	revised May, 2000)	0210-2004
SUNDRY NOTICES AND) REPORTS	ON WELLS	

1. TYPE OF WELL Oil Well X Gas Well	1. 19 19 27 28 28 29 39 39 39 39 39 39 39 39 39 39 39 39 39	5.	LEASE DESIGNATION AND SERIAL NO. NMNM 103604
2. NAME OF OPERATOR KUKUI Operating Company	۲۸۵ ۲۸۵ ۱۹۹۰ - ۲۹۹۰ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹ - ۲۹۹۹	612	IF INDIAN, ALL., OR TRIBE NAME
3a. ADDRESS 601 Vestavia Parkway, Suite 240	RECEIVED	456	IF UNIT OR CA, AGREEMENT DESIGN.
Vestavia, Alabama 35216) (WELL NAME AND NO.
3b. Telephone Number (include area code)	Sel 211010	Ľ	Goodnight 35 Federal #1
205-823-2977		9.	API WELL NO. 0-015-31096
 LOCATION OF WELL (Footage, Sec. T. R. M, or Survey Delivery 	scription)	10	. FIELD & POOL, OR EXPLORATORY AREA Cedar Canyon-Morrow
2180' FWL & 660' FSL Sec. 35-T23S-R29E		1	1. COUNTY OR PARISH, STATE Eddy, New Mexico

12. FILL IN APPROPRIATE DESCRIPTION TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION:	TYPE OF ACTION:
Change of Plan	Plugging Back
The second secon	to a logarly state all pertipent details, including es

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Alternate plugging procedure. Plug back to recomplete in Bone Spring.

11-15-00

- 1.) 7" 26 lbs./ft. cement retainer set at 10,316' on 11-15-00. Unable to pump through retainer. Suspect ports are plugged.
- 2.) Raise tubing to close retainer valve.
- 3.) Set 400' cement plug in 7" from 9,916' to 10,316'.
- New PBTD at approximately 9,916'.
- 4.) Proceed with Bone Spring completion.
- 5.) Verbal approval granted by David Glass, BLM, Roswell, NM office on 11-15-00.

14. I HEREBY CERTIFY THAT THE FOREGOING IS TRUE AND CORRECT.

Name	(Printed or Larry	тур К.	^{ed)} Strider	TITLE	Dis	strict	Operations	Manage	r	
	. 1			y Maney Gennight						
(THIS APPRO CONDI	SPACE FOR OVED BY (O TIONS OF AP	PEDE HIG. PROV	SCO9PACEXE AL, IF ANY	ARE ATTACHED.	TITLE	PETRO	LEUM ENGINI	EER DATE	NOV 2	<u>2</u> 2.00