Ропп 3150-4 (August 1999)	WE			EPAR BURI	JNITED S TMENT C EAU OF LAN DR RECOM	)F THE ND MAN	INTERIO AGEMENT	DR DRT AI	N.M. 1625 Hobba ND LOG	C N. f s, N	Cons Frenci M 88		pires: November	-1037
La. Type of Well:										<u></u> ;		6. If Indian, Allot		e
b. Type of Completion:	il Well		Gas	Well	Dŋ	1	[] Other					7. Unit or CA Agr	reement Name an	d No.
New Well Workover Deepen Plug Back Diff. Resvr.														
L]o	ther				<u> </u>							8. Lease Name an Hawk A #1		
2. Name of Operator					·							9. API Well No.		·····
Apache Corporation 3. Address 33. Phone No. (include area code)										30-025-35873				
6120 S. Yale, Suite 1500, Tulsa, OK 74136 918-491-4957											Penrose Skelly; Grayburg			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 850' FNL & 2310' FEL (NW/4, NE/4) Unit B										11. Sec., T., R., M., or Block and Survey or Area Sec. 8, T-21S,R37E				
				2 (117)	, , , , , , , , ,									
At top prod. interval	reported below											12. County or Par		13. State
At total depth 14. Date Spudded		15.0	ate T.D. Read	whad		1.6	Date Complete				. <u></u>	Lea Co. NM		
6/09/	/02	10.0	6/17/0			10.	Date Complete	u	🗹 Ready	to Pro	duce	17. Elevations (D.		
18. Total Depth:	MD		01		Deals T.D.					06/25/02			3518' GL	
ra. rotar Deptie	TVD	420	0'	IS. Flug	Back T.D.:	MD TVD	4	4152		20. Dept	h Bridge Plug	Set	MD TVD	
21. Type Electric & Oth	ner Mechanical I	ogs Run (	Submit copy	of each )					22. Was we	ll cored?	Ľ	No	✓ Yes (Sub	mit analysis)
CN/SGR/CCL	, SD/DSN	/SG, E	DL/MG								No Yes (Submit report)			
23. Casing and Liner Re	ecord (Report ali	strings set	in well)						Directio	onal Surve	y?	No	Yes (Sub	mit copy)
		t. (#/ft.)	T	Top (MD) Bottom (MD) Stage C		e Cernenter		of Sks. &	1	atty Vol.	Cement Top*	An	ount Pulled	
12-1/4 8-1	5/8	24#		·	405	Depth Ty			of Cement 350	(BBL) 84		Surf		
	1/2	17#	0		4200				1075	439		Surf		
			+											*-***
			+											
			1			<u> </u>								
24 Tubing Record Size De	epth Set (MD)	P	acker Depth (	(MD)	Size	Depti	h Set (MD)	Pa	cker Depth (MI	D)	Size	Depth Set (	MD)	Packer Depth (MD)
2-7/8	4007				· · · · · · · · · · · · · · · · · · ·	26 Durfu	tim Danad							
25. Producing Intervals Format		- T	Top Bottom			26. Perforation Record Perforated Interval				Size		No. Holes	F	erf Status
Grayburg		3770			3820-3992'					4"	_138	Pr	oducing	
												10 C C C C C C C C C C C C C C C C C C C	a a summer fragmente con summer state a conserv	······································
													FORR	ECORN
27. Acid, Fracture, Trea Depta Int		queeze, Et						Δισου	nt and Type of M	Matarial				
Acidized w/ 3500 gals 15% HCL           3820-3992'         Acidized w/ 3500 gals 15% HCL									· · · · · · · · · · · · · · · · · · ·					
Frac w/ 39,000 gals gel & 68,000# 16/30 sand														
	· • • •	Fra	<u>c w/ 39</u> ,	<u>000 g;</u>	ils gel & 6	8,000#	16/30 san	d				GARY O	010	
28. Production - Interva Date First	I A Test		I 11	Tort		loa	Idea		hu ta		- <u>-</u>	LEU.	VENCIUM	-
Produced	Date		Hours Tested	Test Productio	on	Oil BBL	Gas MCF		Water BBL	1	Dil Gravity Corr. API	Gas Gravity	Production Met	10d/ 1
7/12/02	7/7/2	002	24	-		42		82 241		1	36	1	(	imping
Choke Size			Gas MCF	Water Gas : Oil BBL Ratio			Weli Status	atus						
	Flwg.	'lwg.				DDL MC		DDL		Ratio 1952		, .	Producing	
28a. Production - Interv	al B			1		1			1		1752			
Date First Test Produced Date		-+	Hours Test Tested Production		Oil BBL	Gas MCF			Oil Gravity		Gas Gravity	Production Met	nod	
			i csteti	Tested Production		000	wicr		BBL	Corr. API		Glavity	Gravity	
Choke	Tubing		Casing	24 Hour		Oil	Gas		Water	l	Gas : Oil	Well Status	L	1
Size	Pressure Pressure Rate BBL MC		MCF	BBL Ratio				$\bigvee$						
	Flwg. Si				>									12
(See instructions and spa	nces for addition	al data on .	reverse side)											T

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Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Can	Production Method
Produced Date		Tested	Production	BBL	MCF	BBL	Corr. API	Gas Gravity	Troduction Medica
Choke	Tubing	Casing	24 Hour	Oil	Gas	Water	Gas : Oil	Well Stat	
Size	Pressure	Pressure	Rate	BBL	MCF	BBL	Ratio	Well Stat	113
	Flwg.								
	SI								
28c. Production - I	nterval D				·······			L	
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API	Gravity	
			│>						
Choke	Tubing	Casing	24 Hour	Oil	Gas	Water	Gas : Oil	Well Stat	
Size	Pressure	Pressure	Rate	BBL	MCF	BBL	Ratio	a en stat	40
	Flwg.								
	St					1	1		
	Gas (Sold, used for fuel,	vented, etc.)					<u>_</u>		
Sold									
Show all unpo	orous Zones (Include Aqu ortant zones of porosity ar g depth interval tested, ou s.	ad contents thereof:	Cored intervals and al ol open, flowing and sh	ll drill-stem nut-in pressures				Log) Markers	
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu	ad contents thereof:	Cored intervals and al of open, flowing and sh Bottom	ll drill-stern nut-in pressures	Descriptions, Co	ontents, Etc.		Name	Top Measured Deoth
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem nut-in pressures	Descriptions, Co	ontenis, Etc.			Measured Depth
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontenis, Etc.	Rustler		Measured Depth 132
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem nut-in pressures	Descriptions, Co	ontents, Etc.	Rustler Yates	Name	Measured Depth 132 268
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem nut-in pressures	Descriptions, Co	ontents, Etc.	Rustler Yates Seven Riv	Name	Measured Depth 132 268 294
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem nut-in pressures	Descriptions∠Co	ontents, Etc.	Rustler Yates Seven Riv Queen	Name VCTS	Measured Depth 132 268 294 349
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	onlenis, Étc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Etc.	Rustler Yates Seven Riv Queen	Name Vers	Measured Depth 132 268 294 349
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Étc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Etc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Étc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Étc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Etc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Etc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Etc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Etc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Etc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377
Show all impo tests, includin and recoveries	ortant zones of porosity a g depth interval tested, cu 3.	nd contents thereof: ishion used, time too	ol open, flowing and sh	ll drill-stem hut-in pressures	Descriptions, Co	ontents, Etc.	Rustler Yates Seven Riv Queen Grayburg	Name Vers	Measured Depth 132 268 294 349 377

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32. Additional remarks (include plugging procedure):

33. Mark enclosed attachments:					
Electrical/Mechanical Logs (1 full set req'd.)	Geologic Report	DST Report	Directional Survey		
Sundry Notice / Plugging / Cement Verification	Core Analysis	Other <u>NM-OC</u>	_		
34. I hereby certify that the foregoing and attached information is complete and corre	ct as determined from all available records	(see attached instructions)*			
Name (please print) Kara Coday		Title Sr. Engineeri	ng Tech		
Signature Kana Codey	·····	Date	7/19/2002		
<u> </u>					
Title 18 U.S.C. Section 1001 and title 43 U.S.C. Section 1212, make it a crime for an frauchulent statements or representations as to any matter within its jurisdiction.	y person knowingly and willfully to make t	o any department or agency of the Uniter	d States any false, fiptilious		