Form 3160-4 (April 2004)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED OMB NO. 1004-0137 Expires: March 31, 2007

Section   Sect		-									<b>Q Q</b> .		·		Expires. wi	iaicii 51, 200	) (	
13 Type of Well	WELL COMPLETION OR RECOMPLETION REPORT AND LOG																	
Name of Operator	b. Type of Completion X New Well Work Over Deepen Plug Back Diff. Resvr,.																	
Apather Corporation   State   Apather Corporation   State   Apather Corporation   State   Address   G120 South Yale, Suite   I500 Tulsa OK 74136-4224   (918)491-5362   9 AT Well No.													7. Unit or CA Agreement Name and no.					
Apathese Corporation   Apathese Corporation   Analysis   6120 South Yale, Suite 1500 Tulsa OK 74136-4224   (918491-3622   9. API Well No. 30-025-37998   10. Field and Pool, or Exploratory and in accordance with Federal registerements   10. Field and Pool, or Exploratory   11. Sec. 7, R37E   12. County or Parish   13. State   13. State   13. State   13. State   14. Date Sprudded   15. Date T.D. Reached   15. Date T.D.		-				,								8 Lea	se Name and	d Well No		
3. Address   13.   2   2   2   2   2   3   2   2   2   3   2   2			oration				···············		la Di	27 /7	<del></del>					d Well No.	52	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At Surface 1150 FSL & 330 FEL (SE1/4 SE1/4), Unit P, Sec 9, T21S, R37E  At top prod. interval reported below  At total depth  14. Date Spudded  15. Date T.D. Resched  09/02/2/2006  16. Date Completed  17. Date A Spudded  17. Date Spudded  18. Total Depth: MD 4358  19. Plug Back T.D. MD 4311  20. Depth Bridge Plug Set: MD 7VD  21. Type of Exercise & Other Mechanical Logs Run (Submit copy) of each)  22. Was well correll?  23. Casing and Liner Record/Report oil strings set in well)  24. Tubing Record  Size Depth Set (MD) Packer Depth (MD)  Size De			ala Suit	a 1500	Tulca (	OK 7	4136-4224		ľ			code)						
At Surface 1150 FSL & 330 FEL (SE1/4 SE1/4), Unit P, Sec 9, T21S, R37E  At top prod. interval reported below  At total depth  At total depth  16. Date Spudded  17. Date Spudded  18. Date TD. Reached  19. Plag Back T.D. MD 4311'  10. Depth Bridge Plag Sec  10. Depth Sec (MDP  10. Depth Sec (MDP  10. Depth Sec (M								h Fadar	<del></del>		302			30-02	5-37998			
At top prod. interval reported below													I .			_		
At total depth					•	114 3	E174), OIII	1,500	, 9, 1215,1	X37L				11. Sec., T., R., M., on Block and				
Act total depth	At top	p prod. inter	rval report	ed below	/												1S, R37	<u>/E</u>
14. Date Spudded   15. Date T.D. Reached   16. Date Completed   17. Elevations (DF, RKB, RT, GL)*   3471	At to	al depth													inty or Paris	i i		o
18. Total Depth: MD 4358'   19. Plug Back T.D.: MD 4311'   20. Depth Bridge Plug Ser: MD TVD	14. Date	Spudded		15.	Date T.D.	. Reacl	ched 16. Date Completed											
18. Total Depth   MD   4318'   19. Plug Back T.D.   MD   4311'   20. Depth Bridge Plug Set:   MD   TVD	08/28	3/2006			09/02/2	006			l				1.	3471'				
TVD			D 4358'				ug Back T.D.:	MD			20. Dept	h Brid	lge Plug S	et: N	ИD			
DLL/MG, SD/DSN		T	VD					TVD			22							
23.   Casing and Liner Record(Report all strings set in well)	21. Type DLL/I	of Electric of MG, SD/	& Other M DSN	lechanic	al Logs R	tun (Su	ibmit copy of	each)			Was	DST r	un? X	No [	Yes (Su	bmit analysi	s)	
Hole Size   Si	23. Casin	g and Liner	Record(R	eport al	l strings s	set in w	vell)									, , , , , , , , , , , , , , , , , , , ,		
24. Tubing Record  Size   Depth Set (MD)   Packer Depth (MD)   Size   Size   No. Holes   Perforation Record   Perforated Interval   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Size   Size	Hole Size	Size/Gra	de Wt.	(#/ft.)	Top (M	ИD)	Bottom (MI	Stag	ge Cementer Depth				urry Vol. (BBL)	Cem	ent Top*	Amoun	t Pulled	
24. Tubing Record  Size   Depth Set (MD)   Packer Depth (MD)   Size   Size   No. Holes   Perforation Record   Perforated Interval   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Size   Size														0' cii	c 24			
24. Tubing Record  Size   Depth Set (MD)   Packer Depth (MD)   Size   Size   No. Holes   Perforation Record   Perforated Interval   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Size   Size	7-7/8"	5-1/2"	17#		0'		4358'	-		750'	C	265		140'	D1234	36 > 0.0		
24. Tubing Record  Size   Depth Set (MD)   Packer Depth (MD)   Size   Size   No. Holes   Perforation Record   Perforated Interval   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Size   Size		1						<del>                                     </del>						(33)			<u>ئى</u>	
24. Tubing Record  Size   Depth Set (MD)   Packer Depth (MD)   Size   Size   No. Holes   Perforation Record   Perforated Interval   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   No. Holes   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Perforated   Size   Size   Size								-						(S)			==	
Size   Depth Set (MD)   Packer Depth (MD)   Packer Depth (MD)   Size   Depth Set (MD)   Packer Depth (MD)	•													87	<u> </u>	불명	ದ	
2-7/8" 4122' 25. Producing Intervals  26. Perforation Record  Formation  Formation  Top  Bottom  Perforated Interval  3806 - 3985'  Social Fracture, Treatment, Cement Squeze, Etc.  Depth Interval  Acidize with 2000 gals 15% HCl. Frac with 37.5k gals gel + 65k# 20/40 sand.  28. Production - Interval A  Date First Test  Produced Date  Produced Date  Tost  Produced Date  Tost  Produced Date  Tost  Produced Date  Produced Date  Tost  Produced Date  BBL  MCF  BBL  Gas  BBL  Gas  BBL  Gas  BBL  Gas  BBL  Gas  Gas  Corr. API  Corr. AP	24. Tubir									<u> </u>				77		ž T	T.	
26. Perforation Record   Formation   Top   Bottom   Perforated Interval   Size   No. Holes   Perf. Status		Depth	Set (MD)	Packe	er Depth (	(MD)	Size	Dep	oth Set (MD)	Packer	Depth (MD)	1	Size	De De	pth Set (M)	Packer	Depth (M	(D)
A) Grayburg 3745' 3806 - 3985' 45 Producing  B)			le .	J				-						1,57	<u> </u>		· <u> </u>	
A) Grayburg 3745' 3806 - 3985' 45 Producing  B)					Ton		Pottom	26				Ciza	l No	Holes	<del>`€`≥≥,,,</del>	Perf Status		
B) C) D) 27. Acid, Fracture, Treatment, Cement Sqeeze, Etc.  Depth Interval  Amount and Type of Material  3806 - 3985' Acidize with 2000 gals 15% HCl. Frac with 37.5k gals gel + 65k# 20/40 sand.  28. Production - Interval A  Date First Press. Csg. Press. Press. Size Production - Interval B  Production - Interval B  Date First Test Hours Production - Interval B  Production - Interval B  BBL Gas Water Gas: Oil Well Status  ACCEPTED FOR RECORD  Production - Interval B  BBL Gas Water Gravity Gas Gravity Production Method  Production - Interval B  Production - Interval B  BBL Gas Water Gas: Oil Gravity Gas Gravity Gravity Gas Gravity Gravity Gas Gravity Production Method  Production - Interval B  BBL Gas Water Gas: Oil Gravity Gas Gravity Gr				374							5125							
D)  27. Acid, Fracture, Treatment, Cement Sqeeze, Etc.  Depth Interval  3806 - 3985'  Acidize with 2000 gals 15% HCl. Frac with 37.5k gals gel + 65k# 20/40 sand.  28. Production - Interval A  Date First Test Produced Date Tested Production  9/26/06 10/5/06 24  73 473 96 38.8  Pumping  Choice Tog. Press. Csg. Press. Size Plwg. Press. Hours Produced Date Production Dill BBL MCF BBL Gas Water BBL Gas Oil Ratio  Produced Tog. Press. Csg. Press. Csg. Press. Press. Production Dill BBL MCF BBL Gas Oil Ratio  Amount and Type of Material  Amount and Type of Material  37.5k gals gel + 65k# 20/40 sand.  Oil Gravity Gas Gravity Production Method Production Method Production Method Production Method Production Interval B BBL MCF BBL Gas Oil Ratio  Oil Gravity Gas Oil Well Status  ACCEPTED FOR RECORD  Production Interval B  Date First Test Hours Tested Date Production Oil BBL MCF BBL Gravity Production Method Gravity Gravity Production Method Gravity Gravity Production Method Gravity Production Method Gravity Gravity Production Method NOV 2 0 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-															
Amount and Type of Material   Amount and Type of Material   3806 - 3985'   Acidize with 2000 gals 15% HCl. Frac with 37.5k gals gel + 65k# 20/40 sand.	<u>C)</u>																	
Depth Interval   Amount and Type of Material																		
28. Production - Interval A  Date First Test Hours Tested Date Tested Date Tested Date Froduction Date First Test Date First Test Date First Tested Date Date Date Date Date Date Date Date				ement S	Sqeeze, Et	tc.			A	mount ar	nd Type of I	Materia	al					
Date First Produced Date   Test Production   Date   Test Production   Date   Test Production   Date   Tested   Date   Dat	3806	- 3985'		A	cidize w	vith 20	000 gals 15	% HCl	. Frac with	37.5k	gals gel	+ 65k	# 20/40	sand.				
Date First Produced Date   Test Production   Date   Test Production   Date   Test Production   Date   Tested   Date   Dat													***					
Date First Produced Date   Test Production   Date   Test Production   Date   Test Production   Date   Tested   Date   Dat																		
Produced Date Tested Production BBL MCF BBL Corr. API Gravity  9/26/06 10/5/06 24 73 96 38.8 Pumping  Choice Size Tbg. Press. Csg. Flwg. Size Tested Date First Produced Date Tested Date Tested Tested Tested Tested Tested Date Froduction BBL MCF BBL Gas MCF BBL Gas Gravity  Choke Size Tbg. Press. Csg. Production BBL MCF BBL Gas MCF BBL Gas Gravity  Choke Size Flwg. Press. Csg. Press. Rate BBL Gas MCF BBL Gas Gravity McF BBL Gas Gravity  Choke Size Flwg. Press. Csg. Press. Rate BBL MCF BBL Gas MCF BBL Gas Gas Gas Gas Gas Gravity  Choke Size Flwg. Press. Csg. Press. Rate BBL MCF BBL Gas MCF BBL Gas	28. Produ	action - Inte																
Choice Size Tbg. Press. Csg. Press. Size Tbg. Press. Csg. Production - Interval B  Date First Test Date Tested Tested Tbg. Press. Csg. Production BBL Test Production BBL Tested Tbg. Press. Csg. Press. Press. Rate BBL Tbg. Press. Csg. Press. Press. Rate BBL Tbg. Press. Csg. Press. Press. Rate BBL Tbg. Press. Press. Press. Rate BBL Tbg. Press. Press. Rate BBL Tbg. Press. Pr	Date First	Test	Hours		tion BBL	_	Gas MCF	Water BBL	Oil Grav Согт. АР	ity I	Gas Gravity		Production	Method				
Production - Interval B  Date First Produced Date First Produced Tested Forest Size Flwg. Press. Rate BBL Gas MCF BBL Gas MCF BBL Gas: Oil Ratio ACCEPTED FOR RECORD  Oil Gravity Gas Gravity Production Method Gravity Corr. API Gas Gravity Well Status	9/26/06	10/5/06	24	$  \longrightarrow$	<b>&gt;</b> 73		473	96						g				
Production - Interval B  Date First Produced Date Production    Choke Size Flwg. Press. Rate   Dil BBL   Dil BBL   Dil BBL   Dil BBL   Dil Gas   Dil Gravity   Dil Gravity	Ciro Drocc		Csg. Press.	g. 24 Hr. ss. Rate		_	Gas MCF	Water BBL	Gas : Oil Ratio		Well Stat	l r			tud for any 1003 can associate any any agraem.	**		
Date First Produced Date Hours Tested Production BBL Gas MCF BBL Oil Gravity Corr. API Gas Gravity Production Method  Choke Size Flwg. Press. Rate BBL Gas MCF BBL Gas Corr. Rate Gas Corr.					<b>▶</b> │				,		Produc	cing	AC	CEP	TED FO	OR REC	ORD	
Produced Date Tested Production BBL MCF BBL Corr. API Gravity  Choke Size Flwg. Press. Rate BBL MCF BBL Gas: Oil Ratio  Well Status  Well Status				,							T .	,						_
Pring.   NATE OF THE NATIONAL PRINTERS AND AND THE PRINTERS AND ADDRESS AND AD			Hours Tested	Test Product	tion   Oil BBL	_	Gas MCF	Water BBL	Oil Grav Corr. AF	ity 'I	Gas Gravity		Production	i	OV 2 °	? ×.		
	Choke Size	Flwg.	Csg. Press.	24 Hr. Rate	Oil BBI		Gas MCF	Water BBL	Gas : Oil Ratio	<u> </u>	Well Stat	us		WES	des LEY W	<i>lom</i> Ingran	1	

28b. Produc										
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status		4
28c. Produc		val D			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·				
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	<del></del>	
29. Dispo	osition of G	ias (Sold, u	ised for fuel	vented, o	etc.)			<u> </u>		
		ous Zones (	Include Aqu	ifers):		•		31. Forma	ation (Log) Markers	
tests,							and all drill-stem and shut-in pressures		, <b>G</b>	
Forma	ation	Тор	Bottom		Desc	riptions, Con	tents, etc.		Top Meas. Depth	
Rustler		1284'					• •			-
Yates	i	2644'								
Seven R	ivers	2862'								
Queen		3434								
Graybur	Q	3745								
San And	-	3993'								
Oan 7 ma	103	3773								
32. Additio	onal remark	s (include	plugging pro	ocedure):						
Perf Deta	il:									
GRAYBU	U <b>RG</b> 380	06-10, 38	57-61, 39	00-04,	3931-35 &	ż 3981-85'	2 JSPF			
33. Indicat	e which itn	nes have be	en attached	by placin	g a check in	the appropria	ite boxes:			
			gs (1 full sen	-		Geological Re Core Analysis	• = •	ort 🔲 1	Directional Survey	
34. I hereb	y certify tha	at the foreg	oing and att	ached info	ormation is o	complete and	correct as determined	from all avail	able records (see attached instr	ructions)*
Name (	please prin	t) Elaine	Linton				Title Engine	ering Tech	nician	
Signatu	ire	Ela	w L	into	~		Date <u>10/2</u> 4	4/2006		
Title 18 U.States and	S.C. Section	n 101 and 7	Fitle 43 U.S	.C. Sectio	n 1212, mak	e it a crime for	or any person knowing	gly and willfu	lly to make to any department of	or agency of the United