Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

040088 OCD

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS	JH
not use this form for proposals to drill or to re-enter a	n

Do not use this fo	orm for proposals to drill or to Use Form 3160-3 (APD) for suc	re-enter an	DEIVED	noe name		
SUBMIT IN TRIPLICATE – Other instructions on page 2.			7. If Unit of CA/Agreeme	7. If Unit of CA/Agreement, Name and/or No.		
1. Type of Well	/					
☑ Oil Well ☐ Gas Well ☐ Other				8. Well Name and No. Hawk Federal B-1 #069 (24427)		
2. Name of Operator Apache Corporation			9. API Well No. 30-025-40458	9. API Well No. 30-025-40458		
3a. Address 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705 3b. Phone No. (include area code) 432/818-1062			10. Field and Pool or Exp Wantz; Abo (62700)	10. Field and Pool or Exploratory Area Wantz; Abo (62700)		
4. Location of Well (Footage, Sec., T., I	R.,M., or Survey Pescription)		11. Country or Parish, Sta	ite		
2480' FSL & 1805' FEL UL J Sec 8 T21S R37E			Lea County, NM			
12. CHEC	K THE APPROPRIATE BOX(ES) TO IND	ICATE NATURE OF NO	TICE, REPORT OR OTHER	DATA		
TYPE OF SUBMISSION		CTION	ION			
✓ Notice of Intent	Acidize Deep Alter Casing Fract	==	roduction (Start/Resume)	Water Shut-Off Well Integrity		
Subsequent Report			tecomplete	Other		
Final Abandonment Notice	☐ Change Plans ☐ Plug ☐ Convert to Injection ☐ Plug		emporarily Abandon Vater Disposal			
testing has been completed. Final a determined that the site is ready for Apache intends to fracture treat the current wellbore diagram is also attached	above referenced well, per the attached ached.	er all requirements, includ	ing reclamation, have been co	mpleted and the operator has		
14. I hereby certify that the foregoing is to	rue and correct. Name (Printed/Typed)					
Reesa Holland Fisher		Title Sr. Staff Reg Te	ch			
Signature Kelsa Hi	shor	Date 10/01/2013	APP	ROVED		
THIS SPACE FOR FEDERAL OR STATE OFFICE USE						
Approved by		Title	AN Dat	2 7 2014		
	 Approval of this notice does not warrant or of itle to those rights in the subject lease which we thereon. 		BUREAU OF L CARLSBA	AND WANAGEMENT DEFELO OFFICE		
	U.S.C. Section 1212, make it a crime for any persentations as to any matter within its jurisdiction					

(Instructions on page 2)

Hawk B-1 #69 (API: 30-025-40458) Proposed Procedure

September 30, 2013

Acid Fracture the Abo

Day 1: MIRU. POOH w/ rods and pump. Install BOP. TFF and POOH w/ 2-7/8" tubing

Day 2: If necessary, RIH w/ 4-3/4" bit on 2-7/8" tubing, clean well out to PBTD @ 7050'. POOH

Day 3: NU frac equipment

Acid frac the Middle/Upper Abo down 5-1/2" casing with 3,000 gal 15% HCl spearhead followed by 30,000 gal x-linked brine and 450 lb rock salt/24,000 gal retarded 15% HCl/6,000 gal 15% HCl in four equal stages @ 40-60 BPM (max pressure 6,200 psi) as per frac recommendation. Shutdown to obtain fracture closure. After fracture closure, perform 3,000 gal diverted 15% HCl acid stage at matrix rates (max pressure 1,500 psi) to ensure connectivity of hydraulic fracture to the wellbore

ND frac equipment. Shut well in overnight to allow acid to spend

Day 4: Open well up and flow back treatment

Day 5: RIH w/ 2-7/8" production tubing. RIH w/ 1-1/2" pump and rods

Return well to production. Place well in test

Apache Corporation

Hawk B-1 #69

WELL DIAGRAM (CURRENT CONFIGURATION)



