State of New Mexico Energy, Minerals & Natural Resources Form C-101 May 27, 2004

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410

Oil Conservation Divsiion 1220 S. St. Francis Dr.

Submit to appropriate District Office

1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, N						NM 87505			AMENDED REPORT		
APPLIC	CATION	FOR F	ERMIT T	O DR	ILL, RE-E	NTE	R, DEEPEN,	PLUGBACI	K, OR ADI	A ZONE	
	•	¹ O ₁	erator Name an	d Address					OGRID Numbe	r	
PETROHAWK OPERATING COMPANY								194849 3 API Number			
1100 LOUISIANA, STE. 4400, HOUSTON, TX 77002							30- 025-08838				
⁴ Property Code ⁵ Property 302433 STATE A										II No. / 149	
⁹ Proposed F				Pool 1				¹⁰ Proposed Pool 2			
JALMAT; TANSILL-YATES-7RIVERS (GAS) #79240											
			⁷ Surface				1				
UL or lot no.	Section	Township	Range	Lot. Idn Feet			North/South Line	Feet from the	East/West line	County	
<u> </u>	C 8 22S 36E 66 8 Proposed Bottom Hole Loca				Hala Lagat		NORTH	1980	WEST	LEA	
III as lates	Castina	r					I	T	E/W	Country	
UL or lot no. SAME	Section	Township	Range	Lot. Id	n Feet from	tne	North/South Line	Feet from the	East/West line	County	
Additional Well Location											
11 Work Type Code 12 Well Type Code			e	13 Cable/Rotary 14 Le			se Type Code	15 Ground L	15 Ground Level Elevation		
<u> </u>			G		10		S		3585		
¹⁶ Multiple NO		ŀ	17 Proposed Depth 3870' TD		18 Formation 7RIVERS		¹⁹ Contractor To be Determined		²⁰ Spud Date 9/4/06 RE-ENTRY		
					Distance from nearest fresh water well			Distance from nearest surface water			
Pit: Liner: Synthetic mils thick Clay Pit Volume bbls Drilling Method: Rotary											
Closed-Loop System											
0.0000 20		4 70)					ii ouseu	Ous/All	
				1			ment Program		<u> </u>		
Hole Size							Setting Depth	Sacks of Cemer			
12"			8-5/8"		24#		316'			SURFACE	
7-7/8"		5	-1/2"		14#		3775'	250		2347 '	
						<u> </u>			15 m 11 =		
							72 14 15 10 17 70				
		<u> </u>	·					N.V		*	
Please see Well Locati Proposed We Current & P	Attached on & Acro	on program, : eage Dec	ication Pl	tional snee	ets it necessary. Permit Ext	oires	e the data on the pre 1 Year From s Drilling Und Re-Entr	Approval	ne and proposed in the propose	new productive zone.	
I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines general permit , or an (attached) alternative OCD-approved plate.						Appr	Approved by: Ap				
Printed name: Nancy K. Gatti						Title: OC DISTRICT STIPERVISOR/GENERAL MANAGEMENT					
Title: Regulatory Manager						Appr	proval Date: Expiration Date:				
E-mail Address: ngatti@petrohawk.com							SEP 1 1 2006				
Date:						Conditions of Approval:					
08/29/06		832	832-369-2126			Attached					

DISTRICT I 1625 N. French Dr., Hobbs, NM 86240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Axtec, NM 87410 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

OIL CONSERVATION DIVISION 1220 South St. Frances Dr. Santa Fe, NM 87505 Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

DISTRICT IV 1220 S. St. Francis Dr., Santa Fe, NM 87605

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660' #7	+	i		.09	,099 #25	I hereby certify the the i the best of my knowledge working interest or unless	information contained herein is tre and bellef, and that this organiza sed mineral interestin the land tack	se and complete to tion either owns a suling the proposed
#76 660'	1120 #95	-	<u> </u>	0, 1320'	#43 990'	a contract with an own	or of such a mineral or suching of such a mineral or such as mineral o	interest, or to a
#94 		#92		#56 1320° 00 #54	70 #24 1295'	I hereby certifi on this plat w actual surveys supervison as correct to th	OR CERTIFICA' y that the well locati as plotted from field made by me or nd that the same is the best of my belief ey Seal of Professional	ion shown I notes of under my true and

Petrohawk Energy Corporation Jalmat Field Lea County, New Mexico

Project: Squeeze Yates perforations and add-pay in the Seven Rivers

Well: State A A/C-2 #49

Procedure:

- 1. Test pulling unit anchors if they have not been tested within 2 years
- 2. MIRU PU
- 3. Install BOP, RU rev unit, PU 4 3/4" bit, DC's on 2 3/8" tbg.
- 4. Drill out surface plug from 0' to 325'
- 5. After drill out of surface plug perform a pressure and negative test
- 6. Continue in hole to CIBP @ 3050' with 35 sx of cement on top, drill out cement and CIBP, anticipate loss of circulation below CIBP, push CIBP to PBTD at 3422', POOH
- 7. PU 5 ½" Pkr on 2 3/8" tbg and RIH, set Pkr @ 2700'+/-
- 8. RU cement company squeeze Yates perforations from 3074' to 3383'
- 9. Release Pkr and pull up hole
- 10. WOC overnight
- 11. POOH and LD Pkr
- 12. PU 4 ¼" bit & DC's RIH, drill out cement, continue in hole to CIBP @ 3422', Drill out CIBP @ 3422', Expect loss of circulation below CIBP
- 13. POOH and lay down DC's and bit
- 14. PU 5 1/2" CIBP on tbg and RIH to 3700'+/- and set, POOH
- 15. PU 4" X 5 ½" liner shoe, 1 joint of 4" 9.5# L-80 FL4S liner, 4" float collar, and remainder of 4" 9.5# L-80 FL4S liner
- 16. Set liner on CIBP @ 3700', RU cementing company, cement liner in place
- 17. WOC 12 hrs minimum
- 18. RIH with 3 1/4" bit, slim hole DC's on 2 3/8" tbg and clean to liner collar, circulate hole clean,
- 19. POOH and lay down, DC's and bit
- 20. RU wireline co and run cased hole log
- 21. Add additional pay in the 7 Rivers at 3191', 3230', 3235', 3260', 3281', 3292', 3305', 3320', 3330', 3364', 3382', 3427', 3438', 3440', 3442', 3444', 3490', 3516', 3518' 3520', 3522', 3535', 3538', 3541', 3558', 3570', 3586', 3588', 3590', 3599', 3606', 3608', 3610', 3618', 3620', 3622', 3625', 3630', 3639', 3640', 3642', 3644', 3660', 3666', 3673', 3675' (46 holes).
- 22. Acidize perfs with 2500 gals of 7 ½% NEFE HCl with PPI tool, POOH with tbg and LD PPI tool
- 23. Fracture stimulate 7 Rivers perforations.
- 24. Force close fracture and begin flow back
- 25. RIH on 2 3/8" production tbg, PU MA and TAC, set TAC, RIH with pump w/GA and rods
- 26. Pump test well

FORM TOP	SU-T-R 8C-2 8 5/8" @ 316' POOL: JAL	ORKOVER:
	6/16/94 Set CIBP @ 3,040' w/35 sx cmt plug. Perf 5' @ 325' & circ cmt up annulus.	CASING LINER TUBING Hole 12" 7 7/8" Pipe 8 5/8" 5 1/2" Weight 24# 14# Grade Thread Depth 316' 3,775' Mud wt
		TAN-YATES-7 RVRS ZONE HISTORY 4/5/65 Dual produce w/Queen. Perforated 3,074-3,383' Acidized 2500 gal acid Frac w/30,000 gal & 30,000# sand. Re-frac w/30,000 gal & 30,000# sand. IP 0 BOPD 0 BWPD 590 MCFD Produce Yates up annulus & Queen up tbg. Packer @ 3,750' 1/9/73 CO scale in tbg to 3,725'. Set CIBP @ 3,422'. Ran 2 3/8" tbg to 3,402'. Ran pump & placed on production. 11/3/73 Acidize Yates w/750 gal. 12/8/73 Install pumping unit. IP 2 BW, 3 BW, 150 MCF 6/94 P&A
FILE PICKS	TOC est 2,347' w/75% SF DO CIBP @ 3,050'	PROPOSED DO surf plug 0-325' DO cmt & CIBP @ 3,050', push CIBP to PBTD 3,422' Squeeze Yates perfs 3,074-3,383" DO CICR @ 2,900' & cmt DO CIBP @ 3,422' Set 5 1/2" CIBP @ 3,700' +/- Set 4" liner on CIBP @ 3,700' & cmt in place Run cased hole log Perfs 3,191-3,675' w/38 holes Acidize perfs w/2500 gals 71/2% NEFE HCI w/PPI tool Frac 7 Rivers perfs
YATES 3,187'	Squeeze Perfs: 3,074-3,383'	RIH w/2 3/8" tbg, pump & rods Pump test well
7 RVRS 3,392'	Perfs: 3,191-3,675' 3191, 3230, 35, 60, 81, 92, 3305, 20, 30, 64, 82, 3427, 38, 40, 44, 90, 3516, 20, 22, 35, 41, 58, 70, 86, 90, 99, 3606, 10, 20, 25, 30, 39, 40, 44, 60, 66, 73, 75' DO CIBP @ 3,422'	QUEEN ZONE HISTORY 9/13/60 Spud. 9/16/60 Initial Completion Pool EUNICE;SEVEN RIVERS-QUEEN, SOUTH Perforated OH 3,775-3,870' Vibro-frac 3,855-3860' w/3 charges. Frac w/20,000 gal oil & 20,000# sand IP 113 BOPD, 40 BWPD, 51 MCFPD
QUEEN 3,775'	Set 4" Liner on CIBP @ 3,700' Set CIBP @ 3,700' 5 1/2" @ 3,775' w/250 sx Cmt OH 3,775- 3,870' Queen Sand	

