State of New Mexico Energy, Minerals & Natural Resources

Form C-101 May 27, 2004

District.1 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 District IV 1220 S. St. Francis Dr. Sunta Fa MM 97 moie Dr. Sunta Fa. NM. 27505.

Oil Conservation Divsiion

Submit to appropriate District Office

	OGRID Number
LL, RE-ENTER, DEEPEN,	PLUGBACK, OR ADD A ZONE
Santa Fe, NM 87505	AMENDED REPORT
1220 S. St. Francis Dr.	
II CONSCIVATION DIVISION	

APPLIC	•			O DRI	LL. RE-EN			PLUGBAC	K. OR ADD	A ZONE	
APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, I Operator Name and Address								² OGRID Numbe			
PETROHAWK OPERATING COMPANY								925706 1946491 ¹ API Number			
1100 LOUISIANA, SUITE 4400, HOUSTON TEXAS 77002 ⁴ Property Code ⁵ Property Name								30- 025-09	343	1 1 1 .	
Property Code									⁶ We	1 No.	
		Proposed Po		::0=V:00::	IX	-	Langlia M	Proposed P	Pool 2		
			,		⁷ Surface I	ocat	ion			· · · · · · · · · · · · · · · · · · ·	
Ul. or lot no.	Section	Township	Range	Lot, ldn			North/South Line	Feet from the	East/West line	County	
N	13	235	36B		660	\	SOUTH	1980	WEST	LEA	
		⁸ Pro	oposed E	Bottom l	Hole Locati	on If	Different Fro	m Surface			
UL or lot no.	Section	Township	Range	Lat. Idn			North/South Line	Feet from the	East/West line	County	
				A	dditional W	ell L	ocation	-	<u></u>		
11 Work Type	Code n	12 -	Well Type Cod	ie	13 Cable/Re	otary	¹⁴ 1.ea	se Type Code	15 Ground L	evel Elevation	
	PH		G		R Is -		10	S		-3378	
¹⁶ Multipl Y	le	"'	Proposed Dept 3740	h [18 Format YATES/RVRS			Contractor DETERMINED		d Date	
Depth to ground w	ater 120 X	era.			om nearest fresh	·		Distance from near			
Pit: Liner: Syntl		2_ mils thi	ck Clay		Pit Volume		bbls Drilling Met	hod: Wa Pi			
-	p System 🔲	· · · · · · · · · · · · · · · · · · ·			1:	resh W	ater Brin	Diesel/C	Dil-based	Gas/Air 🔲	
			²¹ F	ropose	d Casing an	d Ce	ment Progran	1			
Hole Siz	e	Casing			weight/foot		Setting Depth		Sacks of Cement Estimated TOC		
17		13-	3/8		48		260	250	0 SURFACE		
11		8-5	/8		28		2838	550	550 1800		
								·····			
Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present politic condend to the proposed program, if any. Use additional sheets if necessary.											
						FRAC	YATES/RIVERS/	LANGLIE MATT	RIX; COMMINGL	E	
please see attached data for deepening the wellbore: 1. well location & acreage dedication plat, form c-102 JAN 2 5 2008											
	WELL PLA AND PROPO		BUDE SUM	EMATTC'							
J. CORREAT	ALD PROPO		DONE BOIL	MATIC				HUB	BS O	CD	
23 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 plt will be						ON					
constructed according to NMOCD guidelines 🔼 — a general permit 🔲 , or					A						
an (attached) algernative OCD-approved plan					Approved by: Chus Welliams						
Printed name: EDDY SEAY						Title: OC DESTRICT SUPERVISOR/GENERAL MANAGER					
Title REGULATORY CONSULTANT						Approval Date: Expiration Date:					
E-mail Address: seay04@leaco.net						IAN 2 8 2008					
Date: Phone:					Oil Conservation Division						
January 23, 2008 505-392-2236					36	Conditions of approval: Approval for drilling/workover ONLY CANNOT produce Downhole Commingled until					
Permit Expires 2 years From Approval Date Unless Dulling is Underway					DHC is approved in Santa Fe.						

District 1

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

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis 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

		΄ ν	VELL LO	CATIO	N AND ACR	EAGE DEDIC	ATION PLA	Τ		
'API Number 30-025-09343				² Pool Code 37240	Pool Code Pool Name 37240 LANGLIE MATTIX;7 RIVERS-QUEEN-GRAYBURG					
⁴ Property Co 302432		STATE A A/C 1				Name	'w	⁴ Well Number 22		
'ogrid n 194849	0.	Operator Name 'Elevation PETROHAWK OPERATING COMPANY								
					¹⁰ Surface	Location				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	Feet from the East/West line		
N	13	23S	36E		660	SOUTH	1980	WEST	LEA	
11 Bottom Hole Location If Different From Surface										
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County	
¹² Dedicated Acres	¹³ Joint or	Infill "(Consolidation	Code 15 Or	der No.		1		,, ,	
40										

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16	·	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or imleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division
·		Signature Dale Eddie W Seay Agent Printed Name
		¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief
1980		Date of Survey Signature and Seal of Professional Surveyor Certificate Number

District I 1625 N. French Dr., Hobbs. NM 88240

District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd. Aztec, NM 87410
District IV

PO Box 2088, Santa Fe. NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Revised February 21, 1994 instructions on back

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

		WEI	LL LOC	CATION	AND ACR	EAGE DEDIC	CATION PL	AT _.			
API Number 2 Pool C					3 Pool Name						
30-025- 09 343 79240						Jalmat Tansill Yates 7 Rvrs (Pro Gas)					
4 Property Code					5 Propert	•		١٥			
3024	132				State A A				スス Elevation		
7 OGRID No			Ø	10 21	8 Opera	tor Name	110 00		Lievation		
1948	49		16	1 8011		OPERATI	NO CO				
				1 -414-	10 Surface	LOCATION North/South line	Feet from the	East/West line	e County		
Ut ar lot no	Section	Township	Range	Lot Idn		South		west	Lecu		
N	13	23S	36E	TT-	640	l	1980	wes.	1~30		
11 Bottom Hole Location If Different From Surface 11 Bottom Hole Location If Different From Surface Ull or lot m Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County											
UL ar lot no	Section	TOWNSHIP	Range								
10 0 11 11 11 11 11 11 11 11 11 11 11 11	1 13 loi:	nt or Infil 14	Consolidati	on Code 15	Order No.	<u> </u>		L			
12 Dedicated Acre	13 301	0, ,,,,,,,			NSL	-2730-D (5D)				
640 NO ALLO	WARIE	WILL BE A	ASSIGNE	D TO TH	IS COMPLETI	ON UNTIL ALL	INTERESTS H	AVE BEEN	CONSOLIDATED		
NO ALLO	WADLL	OR A	NON-ST	ANDARE	UNIT HAS B	EEN APPROVEI	DRA THE DIA	ISION			
16			ر لا (ک ^ا کا ک	6 66 7	1980 > #20	1980)	1 hereby cert	ufy that the inform	ERTIFICATION nation contained herein is f my knowledge and belief		
			7,5	(0) (0)		57 th	true and com	iplete to the best o	i my knowledge and belief		
		₽ 78 ° € 193	50) C	E 2179	1950 175			\	0		
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		Section	n 14		हरू 11 128	Section 13	Signature	1.1	C		
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				1 5/√	1980	‡	Tale	1			
					ξ ₀	1	Date	15008			
					••••••	-		DVEVOD (CERTIFICATION		
				Sect	ion 13	1	11				
				ľ					location shown on this plat of uctual surveys made by me		
				Ì			1 1 1	ny supervision, an the best of my bel	d that the same is true and		
							Correct to	ine treat of my bet	·-··		
							Date of Su	ırvey			
						 	3.8	and Seal of Profe	ssional Surveyor.		
		1					Certificate	e Number			
							Ceruncali	6 140IIIDGI			



Lease and Well No: State A A/C-1 #22

Field: Jalmat Field County: Lea County, MN API No: 30-025-09343

Date: 1/21/08

<u>Clean Out Well, Run Casing, Open Additional Pay and Stimulate the Yates / Seven Rivers and Langlie Mattix.</u>

PROCEDURE

- 1. Move in and rig up workover rig. Load well with clean field salt water. Insure well is dead. POOH with rods and pump.
- 2. ND tree. NU BOP's. Test to 2000 psi.
- 3. POOH laying down tubing.
- 4. Top of fish at 3105'. TIH & fish 4' of 3" tubing. POOH.
- 5. TIH with bit, DC's, Jars and workstring to TD at 3200'±. Circulate hole clean. Drill new hole through the Queen to 3670'±. Circulate hole clean. POOH. RU casing crew.
- 6. PU 4-1/2" guide shoe, 1 jt of 4-1/2" liner, float collar and remainder of 4-1/2" casing and RIH to new TD at 3670'±.
- 7. RU cementing company and cement liner in place. WOC at least 12 hours.
- 8. TIH with workstring to new TD. Circulate 2% KCL water. Spot 500 gal 15% HCL across perf interval. POOH
- 9. RU EL. Run CBL. Perforate Yates / Seven Rivers and Langlie Mattix from 2880' to 3460'.
- 10. RU Pump truck and frac equipment. Spearhead 4000 gal 15% HCL follow by frac job. Force close frac and begin flow back.
- 11. Check for fill with sandline. Clean out well with notched collar and foam air unit if required.
- 12. TIH with mud anchor, perf sub, SN and 2-3/8" tubing. Hang off tubing as low as possible.
- 13. ND BOP's. NU tree. Run rods and pump. Return well to production.

