

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

State of New Mexico
Energy, Minerals & Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address PETROHAWK OPERATING COMPANY 1100 LOUISIANA, STE. 4400, HOUSTON, TX 77002		² OGRID Number 194849
		³ API Number 30- 025-09302
⁴ Property Code 302434	⁵ Property Name STATE A A/C 3	⁶ Well No. 006
⁹ Proposed Pool 1 JALMAT;TANSILL-YATES-7RIVERS (GAS) #79240		¹⁰ Proposed Pool 2

⁷ Surface Location

UL or lot no. J	Section 10	Township 23S	Range 36E	Lot. Idn	Feet from the 1980	North/South Line SOUTH	Feet from the 2310	East/West line EAST	County LEA
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⁸ Proposed Bottom Hole Location If Different From Surface

UL or lot no. SAME	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
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Additional Well Location

¹¹ Work Type Code E	¹² Well Type Code G	¹³ Cable/Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3435'
¹⁶ Multiple NO	¹⁷ Proposed Depth 3695' TD	¹⁸ Formation 7RIVERS	¹⁹ Contractor To be Determined	²⁰ Spud Date 9/5/06 RE-ENTRY
Depth to ground water		Distance from nearest fresh water well 1000'		Distance from nearest surface water 1000'
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume _____ bbls Drilling Method: Rotary				
Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	300'	300	SURFACE
7-7/8"	5-1/2"	14#	3631'	250	2140'

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Please see Attached Data for Re-Entry
Well Location & Acreage Dedication Plat (C-102)
Proposed Well Plan
Current & Proposed Wellbore Schematic

NSL-2873-C

Permit Expires 1 Year From Approval
Date Unless Drilling Underway
Re-Entry

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 pit will be constructed according to NMOCD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> Signature: <i>Nancy K. Gatti</i>		OIL CONSERVATION DIVISION	
Printed name: Nancy K. Gatti		Approved by: <i>Chris Williams</i> GER	
Title: Regulatory Manager		Title: OC DISTRICT SUPERVISOR/GENERAL MANAGER	
E-mail Address: ngatti@petrohawk.com		Approval Date: SEP 11 2006 Expiration Date:	
Date: 08/29/06	Phone: 832-369-2126	Conditions of Approval: Attached <input type="checkbox"/>	

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State of New Mexico
Energy, Minerals & Natural Resources Department

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-09302	Pool Code 79240	Pool Name JALMAT; TANSILL-YATES-7 RIVERS (GAS)
Property Code 33493-302434	Property Name STATE A A/C3	Well Number 006
OGRID No. 148381 194849	Operator Name PETROHAWK OPERATING COMPANY	Elevation 3435'

Surface Location

UL or lot No. J	Section 10	Township 23 S	Range 36 E	Lot Idn	Feet from the 1980	North/South line SOUTH	Feet from the 2310	East/West line EAST	County LEA
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Bottom Hole Location If Different From Surface

UL or lot No. SAME	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 3.20	Joint or Infill INFILL	Consolidation Code	Order No. Admin. ORDER NSL-2873-C (SD)						

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

	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify 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 undivided mineral interests 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.</p> <p><i>Nancy K. Gatti</i> 9-6-05 Signature Date <i>Nancy K. Gatti</i> Printed Name</p> <p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>Date of Survey Signature & Seal of Professional Surveyor</p> <p>Certificate No.</p>
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Petrohawk Energy Corporation
Jalmat Field
Lea County, New Mexico

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

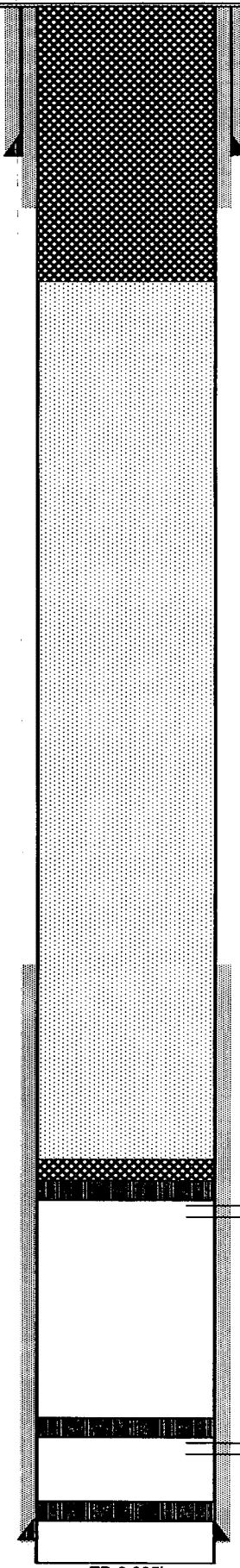
Well: State A A/C-3 #6

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 402'
5. Continue in hole to CIBP @ 2900' with 35' of cement on top, drill out cement and CIBP, anticipate loss of circulation below CIBP, push CIBP to PBTD at 3420', POOH
6. PU 5 1/2" pkr on 2 3/8" tbg and RIH, set pkr @ 2700'+/-
7. RU cement company squeeze Yates perforations from 2954' to 3065'
8. Pull up hole with tbg and pkr
9. WOC overnight
10. POOH and LD pkr
11. PU 4 3/4" bit & DC's RIH, drill out cement, continue in hole to CIBP @ 3420', Circ hole clean
12. POOH and lay down DC's and bit
13. RU wireline co run cased hole log and perforate base of 7 Rivers at 3410', 2spf and 3414', 1Spf
14. PU 5 1/2" pkr and RIH and set at 3300', swab test 7 Rivers perms to check for communications with Queen, if no obvious communication continue with liner installation
15. POOH and LD pkr
16. PU 4" X 5 1/2" 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
17. Set liner on CIBP @ 3420', RU cementing company, cement liner in place,
18. WOC 12 hrs minimum
19. RIH with 3 1/4" bit, slim hole DC's on 2 3/8" tbg and clean out liner to liner shoe, circulate hole clean
20. POOH and lay down, DC's and bit.
21. Add additional pay in the 7 Rivers at 3141', 3151', 3169', 3191', 3193', 3196'(2 SPF), 3198'(2 SPF), 3204'(2 SPF), 3225', 3260', 3275', 3284', 3299', 3319'(2 SPF), 3322'(2 SPF), 3325'(2 SPF), 3327'(2 SPF), 3333'(2 SPF), 3340'(2 SPF), 3363'(2 SPF), 3365'(2 SPF), 3368'(2 SPF), 3390'(2 SPF), 3392'(2 SPF), 3399'(2 SPF), 3405'(2 SPF), 3410'(2 SPF), 3414'(2 SPF) (46 holes).
22. Acidize perms with 2500 gals of 7 1/2% NEFE HCl with PPI tool, POOH with tbg and PPI tool
23. Fracture stimulate 7 Rivers perforations.

24. Force close fracture and begin flow back
25. RIH on 2 3/8" production tbgs, PU MA and TAC, set TAC, RIH with pump w/GA and rods
26. Pump test well

FORM	TOP																																		
			STATE A A/C-3 #6 PROPOSED WELLBORE DIAGRAM MISSION RESOURCES INC																																
			SU-T-R 10J-23S-36E API #: 30-025-09302 POOL: JALMAT; TAN-YATES-7 RVRS (PRO GAS) CO, ST: LEA, NEW MEXICO LAND TYPE: STATE STATUS: ACTIVE ACREAGE 40.12 LATEST RIG WORKOVER: DIAGRAM REVISED: 3/2/2006 BY RSL																																
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