

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

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, SUITE 4400, HOUSTON TEXAS 77002		² OGRID Number 025706 R4849
⁴ Property Code 011702 302432		³ API Number 30-025-09392
⁵ Property Name STATE A A/C 1		⁶ Well No. 26
⁹ Proposed Pool 1 JALMAT: YATES/SEVEN RIVERS/LANGLIE MATRIX		¹⁰ Proposed Pool 2 Langlie Matrix

Surface Location

UL or lot no	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
G	23	23S	36E		1650	NORTH	1650	EAST	LEA

Proposed 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
SAME									

Additional Well Location

¹¹ Work Type Code D & A	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation +/-3363
¹⁶ Multiple Y	¹⁷ Proposed Depth 3630	¹⁸ Formation YATES/RVRS/LANGLIE	¹⁹ Contractor TO BE DETERMINED	²⁰ Spud Date TO BE DETERMINED
Depth to ground water 120 ft		Distance from nearest fresh water well 100 +		Distance from nearest surface water NA
Pit: Liner: Synthetic <input type="checkbox"/> 12 mils thick		Clay <input type="checkbox"/>	Pit Volume 100 bbls	Drilling Method: W.O. PT
Closed-Loop System <input type="checkbox"/>		Fresh Water <input type="checkbox"/>	Brine <input type="checkbox"/>	Diesel/Oil-based <input type="checkbox"/>
Gas/Air <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17	13-3/8	48	283	350	SURFACE
11	8-5/8	28	2789	1200	1630

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

DEEPEN WELL THRU THE QUEEN; RUN 4-1/2" CSG & CMT. PERF/FRAC YATES/RIVERS/LANGLIE MATRIX/COMMINGLE
PLEASE SEE ATTACHED DATA FOR DEEPENING THE WELLBORE;

1. WELL LOCATION & ACREAGE DEDICATION PLAT, FORM C-102
2. PROPOSED WELL PLAN
3. CURRENT AND PROPOSED WELLBORE SCHEMATIC

RECEIVED

JAN 25 2008

HOBBS OCD

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 a general permit , or an (attached) alternative OCD-approved plan .
Signature: *Eddy Seay*

Printed name: **EDDY SEAY**
Title: **REGULATORY CONSULTANT**
E-mail Address: **seay04@leaco.net**
Date: **January 23, 2008**
Phone: **505-392-2236**

OIL CONSERVATION DIVISION

Approved by: *Chris Williams*
Title: **OC DISTRICT SUPERVISOR/GENERAL MANAGER**
Approval Date: **JAN 28 2008** Expiration Date:

Oil Conservation Division
Conditions of approval: Approval for drilling/workover ONLY--- CANNOT produce Downhole Commingled until DHC is approved in Santa Fe.

Permit Expires 2 years From Approval
Date Unless Drilling is Underway.

Deepen & Add

District I
1625 N. French Dr., Hobbs. NM 38240
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

Form C-102
Revised February 21, 1994
instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-09372		2 Pool Code 79240		3 Pool Name Jalmat Tan-Yates-7 rrvs (Pro Gas)	
4 Property Code 302432		5 Property Name State "A" A/C 1			6 Well Number 26
7 OGRID No. 194849		8 Operator Name PETROHAWK OPERATING CO			9 Elevation

10 Surface Location

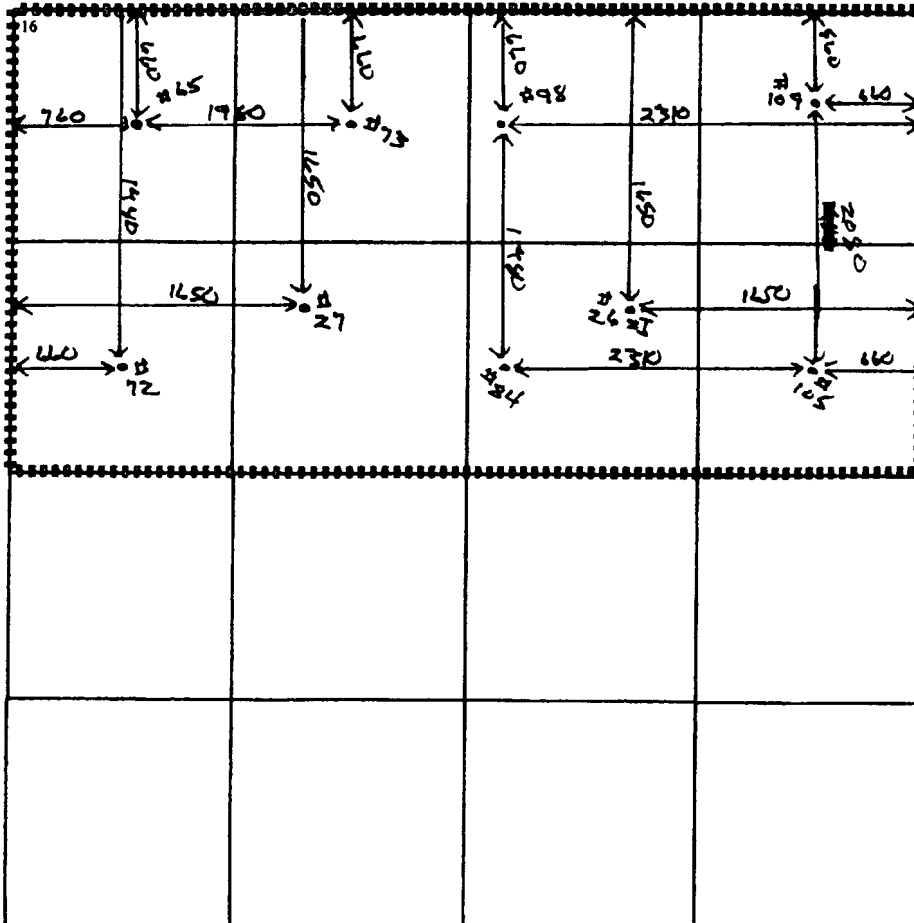
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	23	23S	36E		1650	North	1650	East	Lea

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 320	13 Joint or Infill	14 Consolidation Code	15 Order No. NSL-3023-A (SD)
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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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Signature: *Eddie W. Seay*
Printed Name: Eddie W Seay
Title: Agent
Date: 5/24/2008

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

Date of Survey:
Signature and Seal of Professional Surveyor:

Certificate Number



Lease and Well No: State A A/C-1 #26
Field: Jalmat Field
County: Lea County, MN
API No: 30-025-09392
Date: 1/21/08

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

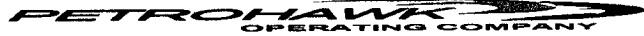
PROCEDURE

- 1. Move in and rig up workover rig. Load well with clean field salt water.**
- 2. ND tree. NU BOP's. Test to 2000 psi.**
- 3. RU EL. Freepoint tubing. Back off & POOH laying down tubing.**
- 4. TIH with workstring and fishing tools. Fish tubing & packer. POOH.**
- 5. TIH with bit, DC's, Jars and workstring to TD at 3148'±. Circulate hole clean. Drill new hole through the Queen to 3630'±. 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 3630'±.**
- 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 2855' to 3420'.**
- 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. Install pumping unit. Return well to production.**

FORM TOP

STATE A A/C-1 #26

PROPOSED WELLBORE DIAGRAM



SU-T-R	23G-23S-36E	API #:	30-025-09392
POOL:	JALMAT; TAN-YATES-7 RVRS (PRO GAS)		
CO, ST:	LEA, NEW MEXICO	LAND TYPE:	STATE
STATUS:	IN -ACTIVE	ACREAGE	40.12
LATEST RIG WORKOVER:			
DIAGRAM REVISED: 1/21/08 BY B. Berteau			

LOG ELEVATION:
GROUND ELEVATION: 3,363'

	CASING	LINER	TUBING
Hole	17"	11"	6-1/4"
Pipe	13 3/8"	8 5/8"	4-1/2"
Weight	48#	28#	11.6#
Grade		J-55	J-55
Thread		LTC	8rd EUE
Depth	283'	2,789'	3420'±
Mud wt			

LOGS		
No logs available		

TAN-YATES-7 RVRS ZONE HISTORY

12/48 Spud. 2/49 Initial Completion
 Openhole compl 2,789-3,148'
 Flow 6500 MCFD, natural
 Note: Well blew out @ 2,780' while drlg & caught fire. Tansill dolomite apparently caused this & was noted to be high pressure, low volume.
 7/50 Gas & wtr blowout occurring 30' from well. Killed well w/heavy mud. PB w/gravel & cap w/cmt to 2,798. Set BP @ 2,783' w/cmt to 2,767'. Isolate csg leak 1,608-10'.
 Perf 1608-10' w/4 SPF. Set retr & sqz w/575 sx. Drld out retr & OH to 3,148'.
 8/50 Crater returned. PB w/pea gravel & cmt to 2,805'. Sqz w/cmt to repair csg seat. Leaked off. Filled hole w/cmt to 2,709'. Held OK. SI
 9/50 It was determined that a charged fresh wtr sand @ 800' had caused the crater, not well #26. (I believe the blow out during drlg of #26 caused this sand to be charged.)
 DO to 3,147'. Set pkr @ 2,751' & put on production.
 6/72 Attempt was made to unseat pkr - unsuccessful - tbg plugged w/scale & salt - cleaned out & returned to production.
 6/73 Installed plunger.
 4/90 Attempt to swab well - would not kick off.
 9/30/03 Intent to T&A filed

OPPORTUNITY

Deepen well thru the Queen. Run 4-1/2" casing & cmt. Perf & Frac the Yates / Seven Rivers and Langlie Mattix

LANGLIE MATTIX (LWR 7RVRS-QUEEN) HISTORY

13 3/8" @ 283'
w/350 sx Cmt

2% KCL Completion Fluid

2-3/8" 4.7# J-55 8rd EUE @ 3420'±

Csg leak @ 1608-10'
Perf 1,608-10' w/4 SPF then sqz w/575 sx on 7/50
TOC est. @ 1,630' temp surv.

8 5/8" @ 2,789' w/1200 sx Cmt

PERFS: 2855'- 3420' & frac'd

6-1/4" hole

4-1/2" 11.6# J-55 @ 3630'

TD 3,630'

YATES 2,855'

7 RVRS 3,080'
(est)

LANGLIE MATTIX

QUEEN 3,430

Well File

OCD File