Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., 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 and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO.
30-025-09355

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
302435

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
STATE A A/C 1

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number 13

2. Name of Operator
PETROHAWK OPERATING COMPANY

9. OGRID Number 194849

3. Address of Operator
1000 LOUISIANA SUITE 5600 HOUSTON, TEXAS 77002

10. Pool name or Wildcat
Jalmat;TAN,YATES,7RVRS(PROGAS)

4. Well Location
Unit Letter h : 1980 feet from the NORTH line and 660 feet from the EAST line
Section 14 Township 22S Range 36E NMPM County LEA

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3409' GR

**Pit or Below-grade Tank Application ☐ or Closure ☐**

**Pit type** n/a **Depth to Groundwater** **Distance from nearest fresh water well** 1000'+ **Distance from nearest surface water** 1000'+

**Pit Liner Thickness:** n/a mil **Below-Grade Tank: Volume** bbls; **Construction Material**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | | | SUBSEQUENT REPORT OF: | | | |
|---|---|---|---|---|---|---|---|
| PERFORM REMEDIAL WORK | ☐ | PLUG AND ABANDON | ☐ | REMEDIAL WORK | ☒ | ALTERING CASING | ☐ |
| TEMPORARILY ABANDON | ☐ | CHANGE PLANS | ☐ | COMMENCE DRILLING OPNS. | ☐ | P AND A | ☐ |
| PULL OR ALTER CASING | ☐ | MULTIPLE COMPL | ☐ | CASING/CEMENT JOB | ☐ | | |
| OTHER: | ☐ | | | OTHER: | | | ☐ |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Cleaned out wellbore and ran 4 ½" production casing from 3511' to surface.
Perforated, acidized and fraced Yates and Seven Rivers formation.
Ran 2 3/8" tubing, pump and sucker rods.
Returned well to production.

SEP 2007
Received
Hobbs
OCD

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE _____ TITLE Engineer DATE 8-30-2007

Type or print name Joshua Greenleaf E-mail address: jgreenleaf@petrohawk.com Telephone No.832-369-2176

**For State Use Only**

APPROVED BY: _____ TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE SEP 05 2007

Conditions of Approval (if any):

# STATE A A/C-1 #13

## WELLBORE DIAGRAM

## PETROHAWK OPERATING CO.

| | | | |
|---|---|---|---|
| **SU-T-R** | 14H-22S-36E | **API #:** | 30-025-09355 |
| **POOL:** | JALMAT;TAN-YATES-7 RVRS (PRO GAS) | | |
| **CO, ST:** | LEA, NEW MEXICO | **LAND TYPE:** | STATE |
| **STATUS:** | ACTIVE | **ACREAGE** | 40.12 |
| LATEST RIG WORKOVER: | 4/4/07 ran liner acidized fraced | | |
| DIAGRAM REVISED: | 8/30/2007 JJG | | |

| | |
|---|---|
| LOG ELEVATION: | 3,409' DF |
| GROUND ELEVATION: | 3409' |

| | CASING | | LINER | TUBING |
|---|---|---|---|---|
| Hole | | | | |
| Pipe | 12 1/2" | 9 5/8" | 4 1/2" | 2 3/8" |
| Weight | 50# | 36# | 11.6# | 4.7# |
| Grade | | | | |
| Thread | | | | |
| Depth | 285' | 2,838' | 3511' | 3406' |
| Mud wt | | | | |

| LOGS & EVALUATION | | | | |
|---|---|---|---|---|
| In File | | | | |
| Schlumberger SP - Resistivity | | | | 10/10/1945 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| FORM | TOP |
|---|---|
| TANSILL | 2,790' (file pick) |
| YATES | 2,940' |
| 7 RVRS | 3,173' |
| QUEEN | 3,525' |

12 1/2" @ 285'
w/225 sx Cmt

**DST 3,576 to 3,715**
**DST 3,730 to 3,810.**

TOC @ 2,145' (calc)

9 5/8" @ 2,838' w/200 sx Cmt
OH Completion 2,838' to 3,511'.

**4/2007** Ran 4 1/2" casing and set @ 3511' with 826 sx cmt
**Perforated** 2865, 79, 86, 2953,
2957, 62, 65, 70, 3004, 07, 11, 14, 19, 23, 35
41, 49, 53, 55, 62, 78, 81, 94, 3103, 16, 42
3146, 52, 63, 66, 82, 3214, 18, 74, 3229,
3332, 50, 63, 77, 81, 85, 3405, 09, 17, **1 SPF**
(45 Holes)

PBTD 3,511'

**8-3/4" hole, cleaned out w/6-1/4" bit in 1977.**
Plugged back w/ 120 sxs

TD 3,873'

### TAN-YATES-7 RVRS ZONE HISTORY

**10/45** OH completion 2838-3511'.
**PB OH** 3873-3511'.
No stimulation. Test @ 10.9 MMCFD
**6/77** CO hole 3,480-3,511'
**Acidize** OH w/500 gal 15%.
Tested 250 MCFD, 0 BO, 0 BW
**4/89** CO, no fill.
**Acidize** OH w/3000 gal 15%
Rate increase from 19 MCFD to 100 MCFD

Reported cumulative is 8.4 BCF as of 10/03.
Current rate is 42 MCFD.
**4/2007** Set 41/2" casing perforated, acidized and fraced.

### OPPORTUNITY

Large diameter casing.

### LANGLIE MATTIX (LWR 7RVRS-QUEEN) HISTORY