

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
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

Form C-103
May 27, 2004

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

WELL API NO. 30-025-08858
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: STATE A A/C 2
8. Well Number 39
9. OGRID Number 194849
10. Pool name or Wildcat EUNICE 7 RVRS QUEEN, SOUTH

Pit or Below-grade Tank Application ☐ or Closure ☐
Pit type N/A Depth to Groundwater 170' 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 _____

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO OPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM 511) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	2. Name of Operator PETROHAWK OPERATING COMPANY
3. Address of Operator 1100 LOUISIANA, STE. 4400 HOUSTON TX 77002	4. Well Location Unit Letter <u>C</u> : <u>990</u> feet from the <u>NORTH</u> line and <u>1650</u> feet from the <u>WEST</u> line Section <u>9</u> Township <u>22S</u> Range <u>36E</u> NMPM County <u>LEA</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3567' GL	

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: <input type="checkbox"/>	OTHER: <input type="checkbox"/>

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.

THE OIL CONSERVATION DIVISION MUST BE NOTIFIED 24 HOURS PRIOR TO THE BEGINNING OF PLUGGING OPERATIONS.

See attached for Procedure and Wellbore Schematic to Plug and Abandon Well

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 Anna Tarpey TITLE Regulatory Analyst DATE 05/16/06
E-mail address:

Type or print name Anna Tarpey

Telephone No. 832-204-2760

For State Use Only

APPROVED BY Larry W. Wink OC FIELD REPRESENTATIVE II/STAFF MANAGER
TITLE _____ DATE MAY 19 2006
Conditions of Approval, if any:



State A A/C-2 #39

Jalmat Field

Lea County, NM

May 15, 2006

Plug and Abandonment Procedure

1. MIRU plugging rig. Dump 35' cement on top of CIBP at 3650'.
2. TIH with open ended workstring to PBTD and load hole with 10 ppg gelled brine.
- * 3. Perforate 5-1/2" casing at 3010'. Mix 200' bottom of salt cement plug (70 sx class A). Pump through perfs at 3010' leaving top of cement inside casing at 2810'.
- * 4. Perforate 5-1/2" casing at 1680'. Mix 200' top of salt cement plug (70 sx class A). Pump through perfs at 1680' leaving top of cement inside casing at 1480'.
5. Perforate 5-1/2" casing @ 275'. Mix surface plug (95 sx class A). Squeeze through perfs at 275', attempting to circulate cement to surface. Leave top of cement inside casing at surface.
6. Cut off wellhead, cap well and install P&A marker.
7. Clean location for OCD inspection.

WDC + TAG 3+4



FORM	TOP																																		
		<p>13 3/8" @ 243' w/250 sx Cmt</p>	<div style="border: 1px solid black; padding: 5px;"> <p align="center">State AAC-2 #39</p> <p align="center">CURRENT WELLBORE DIAGRAM</p> <p align="center">Mission Resources</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SU-T-R</td> <td>9C-22S-36E</td> <td>API #:</td> <td>30-025-08858-0000</td> </tr> <tr> <td>POOL:</td> <td colspan="3">EUNICE;SEVEN RIVERS-QUEEN, SOUTH</td> </tr> <tr> <td>CO, ST:</td> <td>LEA, NEW MEXICO</td> <td>LAND TYPE:</td> <td>STATE</td> </tr> <tr> <td>STATUS:</td> <td>TA</td> <td>ACREAGE</td> <td>40.12</td> </tr> <tr> <td colspan="4">LATEST RIG WORKOVER: 3/94</td> </tr> <tr> <td colspan="4">DIAGRAM REVISED: 1/30/2004 BY ERG</td> </tr> </table> </div>	SU-T-R	9C-22S-36E	API #:	30-025-08858-0000	POOL:	EUNICE;SEVEN RIVERS-QUEEN, SOUTH			CO, ST:	LEA, NEW MEXICO	LAND TYPE:	STATE	STATUS:	TA	ACREAGE	40.12	LATEST RIG WORKOVER: 3/94				DIAGRAM REVISED: 1/30/2004 BY ERG											
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		<p>DST #1 3310-3444' GTS 4" @ 500 MCFPD & 552 DM</p> <p>DST #2 3600-3700' Rec 276' S/GCM FTP 150#</p> <p>DST #3 3710-3790' Gas to surf in 8 min @ 140 MCFPD. Rec 184' S/GCM FTP 150#</p> <p>DST #4 3790-3845 (Queen) Tool opn 1 hr 30 min. Gas in 20 min meas 20,000 MC Rec 92' of oil (33.6") 92' mud cut oil & 30' drlg mud. Flwg press 250# SIBHP 400# in 15 min.</p> <p>Add'l DST#5-#15</p>	<div style="border: 1px solid black; padding: 5px;"> <p>LOG ELEVATION: 3,583' DF</p> <p>GROUND ELEVATION: 3,567'</p> </div>																																
		<p>TOC est 2,650'</p> <p>9 5/8" @ 3,029' w/200sx Cmt</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">CASING</th> <th colspan="2">TUBING</th> </tr> </thead> <tbody> <tr> <td>Hole</td> <td>17"</td> <td>12 1/4"</td> <td>8 3/4"</td> </tr> <tr> <td>Pipe</td> <td>13 3/8"</td> <td>9 5/8"</td> <td>5 1/2"</td> </tr> <tr> <td>Weight</td> <td>48#</td> <td>36#</td> <td>20#</td> </tr> <tr> <td>Grade</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Thread</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Depth</td> <td>243'</td> <td>3,029'</td> <td>11,033'</td> </tr> <tr> <td>Mud wt</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	CASING		TUBING		Hole	17"	12 1/4"	8 3/4"	Pipe	13 3/8"	9 5/8"	5 1/2"	Weight	48#	36#	20#	Grade				Thread				Depth	243'	3,029'	11,033'	Mud wt			
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		<p>SELECT PERFS: 10,896-950'</p> <p>5 1/2" @ 11,033' w/400 sx Cmt 7,066' left in hole, est TO 5 1/2" stub @ 3,967'</p>	<div style="border: 1px solid black; padding: 5px;"> <p align="center">QUEEN ZONE HISTORY</p> <p>6/49 Recompleted from Mississippi Pool EUNICE;SEVEN RIVERS-QUEEN, SOUTH Perforated 3,797-3,842' (180 shots) Acidized w/3000 gal. Well on Gas Lift. 10/20/49 Acidized w/2000 gal Before 3 BOPD & 0 BW After 27 BOPD, 16 BW 5/18/56 Pmpg unit installed 8/5/58 Replaced beam type pmpg unit w/Johnson hydraulic unit. 12/8/65 Pull rods & tbg. Perf 1 SPF @ 3,680, 96, 3,714, 20, 27, 35, 44, 55, 70' (9 holes). Ran 2 straddle pkrs @ 3,632 & 3,782'. SOT 37,800 gal oil & 41,000# sand. Sand out & pkr stuck. Fshd bttm pkr & wshd out sand. Ran tbg & BP @ 3,782'. pkr @ 3,632'. Acidize perfs w/3770-3845' w/1000 gal gal 15% NF & bailed out. SOT w/50,000 gal lse oil & 63,000# 20/40 sand. Clean out sand & return to production w/ BP @ 3,791'. 12/17/65 Frac w/37,800 gal oil & 41,000# sand. IP. 56 BOPD, 15 BWPD. 1/30/66 2224 BLO to rec. 12/21/68 Load oil rec. 5/1/69 Well would not flow. Set pmpg unit. 5/6/69 Producing from perfs 3680-3770' 2/82 Well TA'd. 3/31/94 Set CIBP @ 3,650'. Loaded csg w/150 bbls Press tstd to 500#, ok. Well TA'd.</p> </div>																																
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