

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
⁴ Property Code 33491 35592		³ API Number 30- 025-37801
⁵ Property Name STATE 157 G		⁶ Well No. 005
⁹ Proposed Pool 1 JALMAT; TANSILL-YATES-7RIVERS (GAS) #79240		¹⁰ Proposed Pool 2

Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
H	5	22S	36E		1880	NORTH	660	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 N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3596'
¹⁶ Multiple NO	¹⁷ Proposed Depth 4000'	¹⁸ Formation YATES/7RIVERS	¹⁹ Contractor UNITED RIG	²⁰ Spud Date 04/10/06
Depth to ground water 137'		Distance from nearest fresh water well 1000' +		Distance from nearest surface water 1000' +
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 mils thick Clay <input checked="" type="checkbox"/> Pit Volume 5704 bbls Drilling Method: Rotary				
Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input checked="" 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
11"	8-5/8"	24#	600'	325	SURFACE
7-7/8"	4-1/2"	11.6#	4000'	725	SURFACE

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:
Well Location & Acreage Dedication Plat (C-102)
Proposed Well Plan
Casing/Cementing Program
BOP/Choke Manifold Diagrams

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

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: *Nancy K. Gatti*

Printed name: Nancy K. Gatti

Title: Regulatory Manager

E-mail Address: ngatti@petrohawk.com

Date: 04/04/06

Phone: 832-369-2126

OIL CONSERVATION DIVISION

Approved by:

Title:

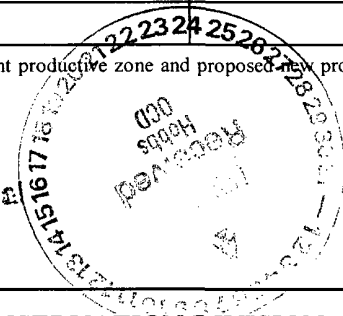
Approval Date:

APR 13 2006

Expiration Date:

Conditions of Approval:

Attached ☐



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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-37801	Pool Code 79240	Pool Name JALMAT:TANSILL-YATES-7RIVERS (GAS)
Property Code 33491	Property Name STATE 157 G	Well Number 5
OGRID No. 194849	Operator Name PETROHAWK ENERGY CORPORATION	Elevation 3596'

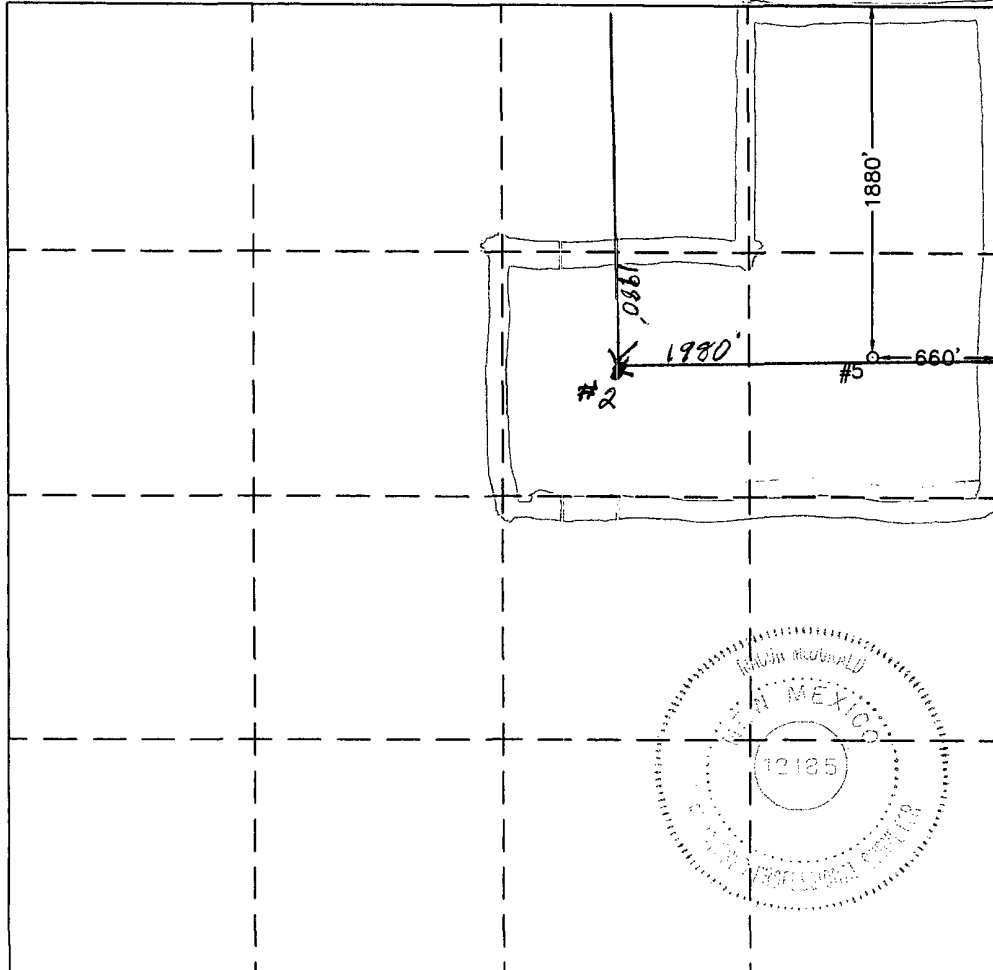
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	5	22 S	36 E		1880	NORTH	660	EAST	LEA

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									
Dedicated Acres 120.14	Joint or Infill INFILL	Consolidation Code	Order No. PENDING ORDER NO. SB-D6-D4						

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 the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Nancy K. Gatti</i> Signature</p> <p>NANCY K. GATTI Printed Name</p> <p>REGULATORY MANAGER Title</p> <p>04/04/06 Date</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 upervision and that the same is true and orrect to the best of my belief.</p> <p>December 5, 2005 Date Surveyed</p> <p>JSR Signature & Seal of Professional Surveyor</p> <p>W.O. Num. 2005-1167</p> <p>Certificate No. MACON McDONALD 12185</p>
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STATE 157 G
1980' FNL & 660' FEL, SECTION 5, T-22S-R36E, UNIT LETTER "H"
LEA COUNTY, NM

PROPOSED WELL PLAN

1. Drill 12-1/4" hole from surface to 600'.
2. Run 8-5/8" 24# casing to 600', cement w/ 240 sx cement with additives to surface.
3. Drill 7-7/8" hole to 4000'
4. Run 4-1/2" 11.6# casing to 4000' w/ 655 sx cement with additives to surface.
5. Perforate Yates/7-Rivers from 3000' to 3500'
6. Acid and Frac treatment will be determined after looking at the logs.
7. Complete and put on production.

CASING PROGRAM:

SURFACE: 8-5/8" Casing in 12-1/4" Hole at 600'.

PRODUCTION: 4-1/2" casing in 7-7/8" Hole at 4000'.

CEMENTING PROGRAM:

SURFACE:

Lead: 125 sacks Class C Mixed at 12.7 ppg
Additives: 0.25 pps Cello-Flake + 6% Bentonite

Tail: 200 sacks Class C Mixed at 14.8 ppg
Additives: 2% CACL₂

PRODUCTION:

Lead: 320 sacks Class C Mixed at 11.9 ppg
Additives: 35:65 Poz (Fly Ash) + 6% Bentointe

Tail: 335 sacks Class C Mixed at 14.0 ppg
Additives: 50:50 Poz (Fly Ash) + 2% Gel

PETROHAWK OPERATING COMPANY

PROPOSED WELLBORE SCHEMATIC

State 157 G Well #5

Lea County, NM

1880' FNL & 660' FEL SEC 5, T22S, R36E

GL = 3596'
RKB = 3604'
RKB to GL = 8'

HOLE SIZE: 11"

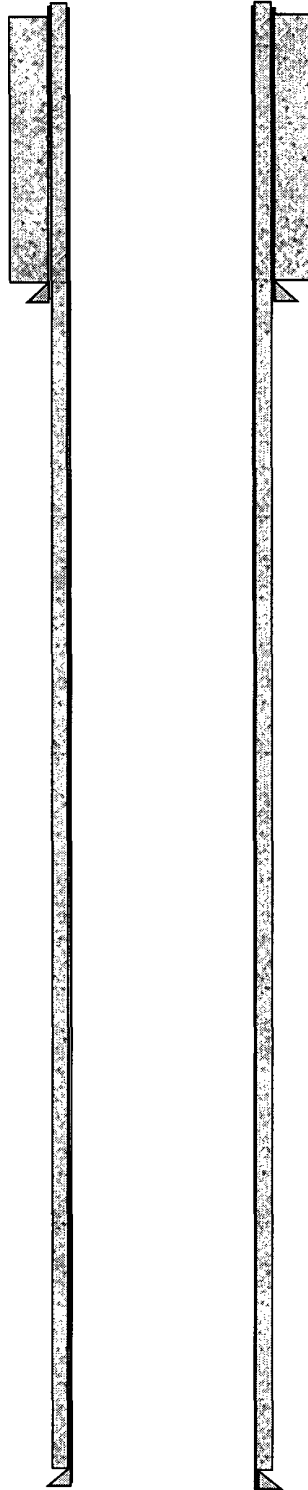
8.6 - 9.6 ppg WBM

HOLE SIZE: 7-7/8"

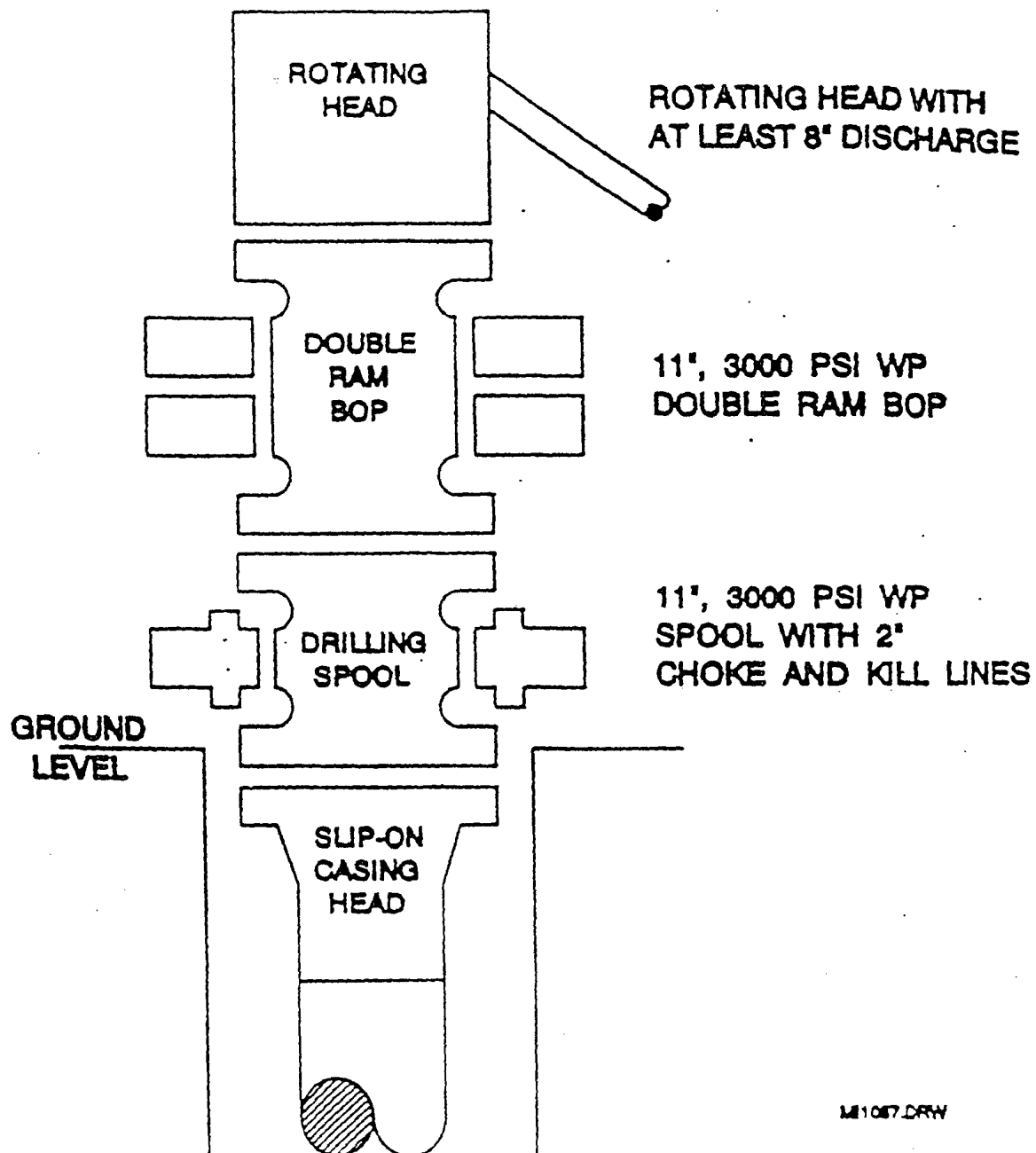
10.0 Brine


8-5/8", 24#, J-55, ST&C @ 600'
Cmt'd to surf

4-1/2", 11.6#, J-55, LTC @ 3,800'
Cmt'd to surf



BOP SPECIFICATIONS



 The sender of this message has requested a read receipt. [Click here to send a receipt.](#)

Mull, Donna, EMNRD

From: Phillips, Dorothy, EMNRD
To: Mull, Donna, EMNRD
Cc:
Subject: RE: Financial Assurance Requirement
Attachments:

Sent: Thu 4/13/2006 11:45 AM

All have blanket bonds and none appear on Jane's list.

From: Mull, Donna, EMNRD
Sent: Thursday, April 13, 2006 11:26 AM
To: Phillips, Dorothy, EMNRD
Cc: Macquesten, Gail, EMNRD; Sanchez, Daniel J., EMNRD
Subject: Financial Assurance Requirement

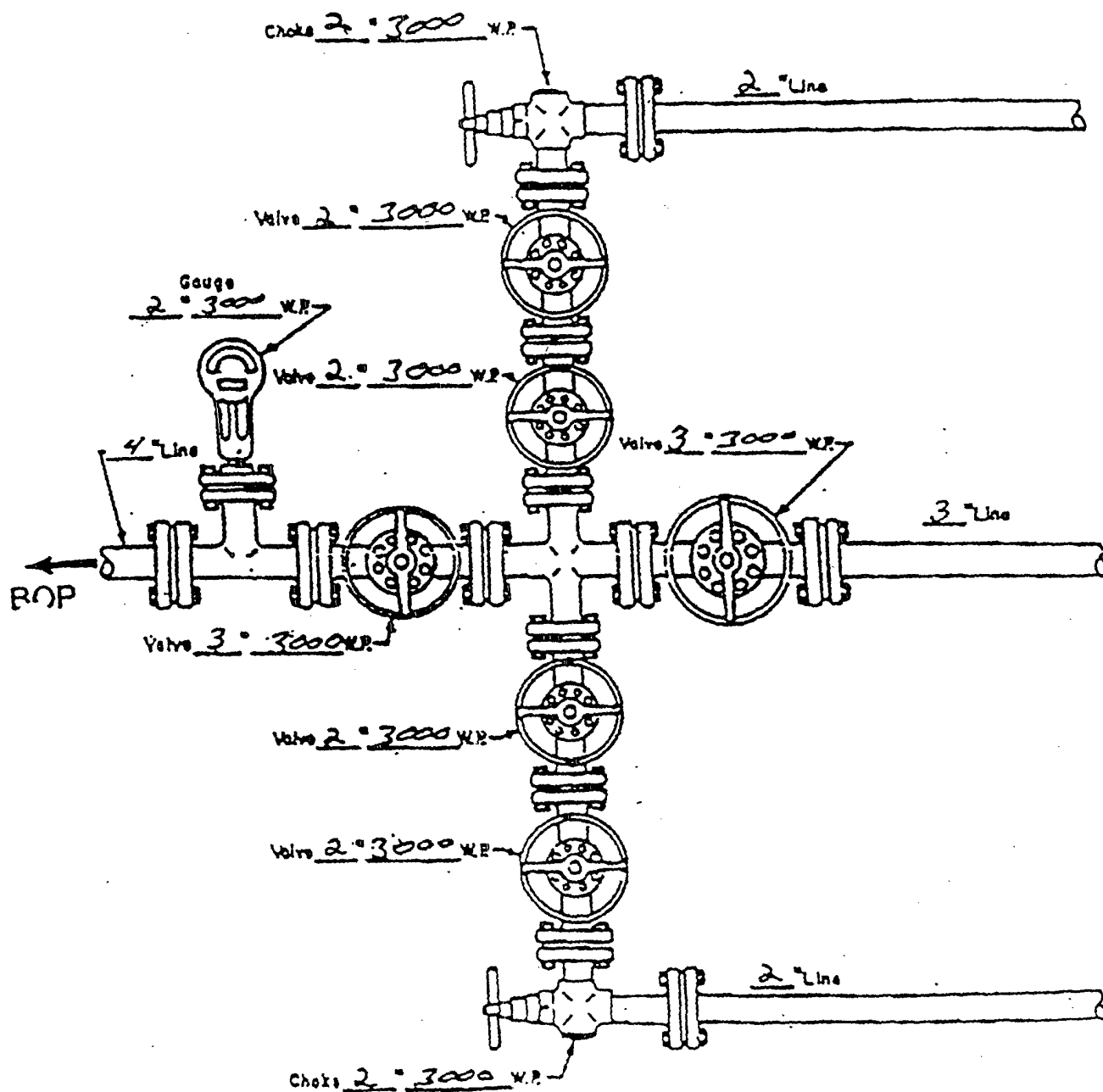
Dorothy,

Is the Financial Assurance Requirement for these Operators OK?

Pogo Producing Co (17891)
Petrohawk Operating Co (194849)
Forest Oil Permian Corp (33016)

Please let me know. Thanks Donna

CHOKE MANIFOLD DIAGRAM



MANIFOLD
3000 # W.P.

☒ Manual
☐ Hydraulic