Submit 3 Copies to Appropriate District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.
30-025-09196

5 Indicate Type of Lease STATE ☐ FEE ☒

6 State Oil & Gas Lease No.

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
Emery King "SE"

1 Type of Well:
OIL WELL ☐ GAS WELL ☒ OTHER

2 Name of Operator
Doyle Hartman

8 Well No.
3

3 Address of Operator
500 N. Main St., Midland, Texas 79701

9 Pool name or Wildcat
Jalmat (T-Y-7R) Gas

4 Well Location
Unit Letter J : 2310 Feet From The South Line and 1650 Feet From The East Line

1 Section 23S Township 36E Range NMPM Lea County

10 Elevation (*Show whether DF, RKB, RT, GR, etc.*)
3406' GR

11 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.	☐	PLUG AND ANBANDONMENT	☐
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER: Workover and Plug Back	☒		

12 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 Details of Completed Operations, please refer to pages 2 of 3 and 3 of 3, attached hereto.

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

SIGNATURE Loretta Crawford TITLE Production Analyst DATE 05-06-02

TYPE OR PRINT NAME Loretta Crawford TELEPHONE NO. 915-684-4011

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE MAY 14 2002

CONDITIONS OF APPROVAL, IF ANY:

CS

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
811 South First, Artesia, NM 88210

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-102
Revised October 18, 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

1 API Number	2 Pool Code	3 Pool Name
30-025-09196	79240	Jalmat (Tansill-Yates-Seven Rivers)

4 Property Code	5 Property Name	6 Well Number
19075	Emery King SE	3

7 OGRID No.	8 Operator Name	9 Elevation
6473	Doyle Hartman	3406'

10 Surface Location

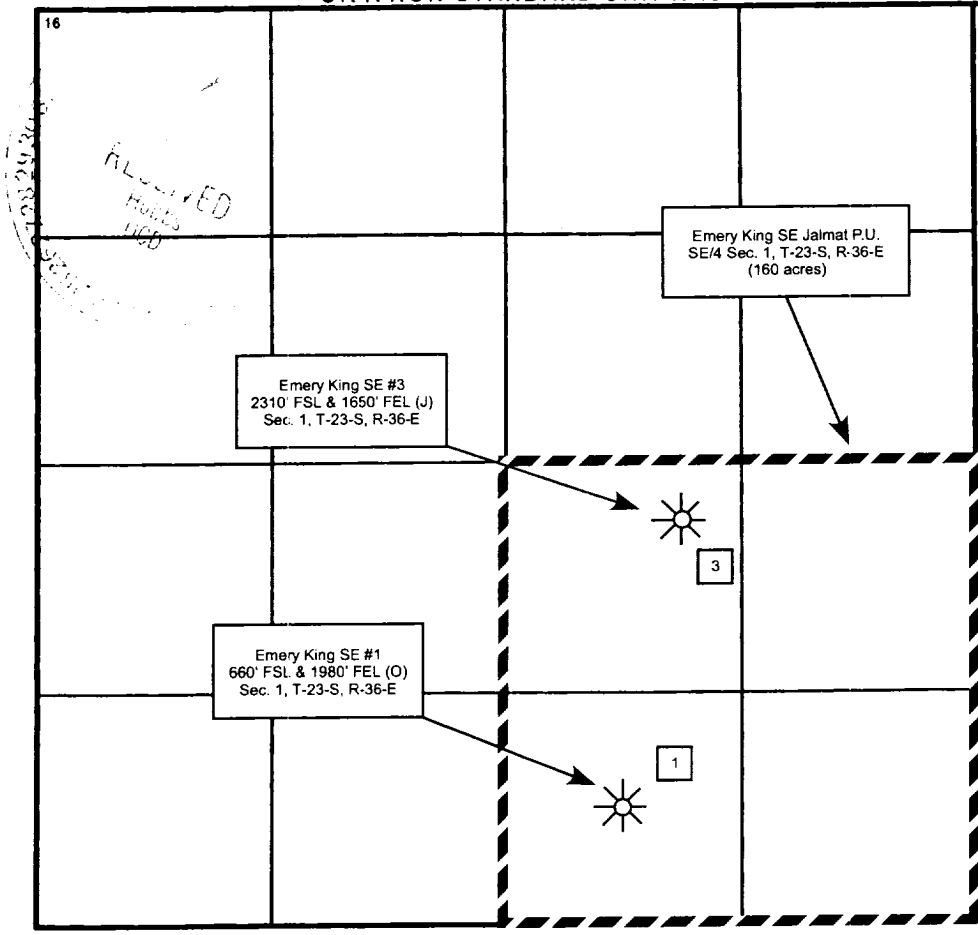
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
J	1	23S	36E		2310'	South	1650'	East	Lea

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	13 Joint or Infill	14 Consolidation Code	15 Order No.
160	Y		Administrative Order NSL-3050(SD) Dated September 17, 1991

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

Steve Hartman
Printed Name

Engineer
Title

05/06/2002
Date

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 Surveyer:

Certificate Number

5

Details of Completed Operations

On 1-8-01, SICP = 155 psig.

Rigged up well service unit. Blew down casing. Pulled 3/4" rods and 2 3/8" O.D. tubing.

Rigged up wireline truck. Abandoned perfs, from 3595' to 3741', by setting 5 1/2" EZ Drill retainer at 3580' RKB. Set 5 1/2" CIBP at 3579' RKB.

Perforated Jalmat (Yates), with (27) 0.44" x 23" holes, with one shot each at:

3109	3137	3165	3206	3219	3243
3113	3139	3167	3209	3222	3247
3115	3150	3198	3212	3224	
3118	3159	3200	3214	3234	
3127	3163	3203	3216	3241	

Shut down for night. 12-hr SICP = 57 psig

Ran Baker 5 1/2" Model "C" RBP and Baker 5 1/2" Model "C" packer. Set 5 ½" Model "C" RBP at 3369'. Raised 5 1/2" Model "C" packer to 3273'. Spotted 150 gal of 15% MCA acid across lower 15 perforations.

Raised and set 5 1/2" Model "C" packer at 3183'. Acidized perfs, from 3198' to 3247' (15 holes), with an additional 3000 gal of 15% MCA acid and 23 ball sealers, at an average treating rate of 5 BPM. Flushed acid with 13.6 bbls of 2% KCl water. TP_{mx} = 1550 psi. ISIP = 45 psi. 5-sec SIP = 0 psi.

Raised 5 1/2" Model "C" RBP to 3184', and 5 1/2" Model "C" packer to 3176'. Spotted acid across upper 12 perfs, from 3109' to 3167', by pumping 150 gal of 15% MCA acid and 0.5 bbls of 2% KCl water. Allowed acid to fall and equalize.

Raised and set 5 1/2" Model "C" packer at 3051' RKB. Acidized perfs, from 3109' to 3167' (12 holes), with an additional 2400 gal of 15% MCA acid and 19 ball sealers, at an average treating rate of 4.5 BPM and average treating pressure of 2400 psi. Flushed acid with 14 bbls of 2% KCl water. TP_{mx} = 3200 psi (at ballout). ISIP = 177 psi. 1-min SIP = 0 psi.

Lowered and reset 5 1/2" Model "C" RBP at 3369'. Raised and set 5 1/2" Model "C" packer at 3184'. Re-acidized perfs, from 3198' to 3247' (15 holes), with an additional 3000 gal of 15%

MCA acid and 40 ball sealers, at an average treating rate of 7.8 BPM. After pumping 2000 gal of 15% MCA acid, balled off perfs.

Lowered 5 ½" Model "C" packer. Knocked off ball sealers. Raised and reset packer at 3184'. Pumped away remaining 1000 gal of 15% MCA acid, at a rate of 5 BPM and average treating pressure of 735 psi. Flushed acid with 13.7 bbls of 2% KCL water. ISIP = 30 psi. 5-sec SIP = 0 psi.

Pulled and laid down 5 ½" Model "C" packer and 5 ½" Model "C" RBP.

Ran and landed 2 3/8" O.D. tubing at 3517' RKB (110 jts @ 31.73'/jt + 1.1' SN + 18' MA - 2' AGL + 10' KBC = 3517.4'). Ran 2" x 1 1/4" x 12' RHAC insert pump. Placed well to pumping at 9.5 Spm x 64" x 1 1/4". Recovered a total of 35 bbls of load water. Performed pressure build up. 12-hr SICP = 88 psig.

Moved in and rigged up well service unit. Pulled 3/4" rods and 2 3/8" O.D. tubing. Ran 3 ½" O.D., 9.3lb/ft, N-80 frac string and Halliburton 5 ½" PLS treating packer. Set 5 ½" PLS treating packer at 3011' RKB. Shut in well. 17-hr SITP = 90 psig.

Rigged up Halliburton. Performed CO2 foam frac, with 238,000 gal of gelled water and CO2 (54.6% CO2) and 500,000 lbs of frac sand (10% 20/40, 15% 10/20, 75% 8/16), at an average treating rate of 40 BPM and average wellhead tubing pressure of 2480 psi.

Left well shut in for one hour. Opened well and flowed back load. Well died after 5 hours.

Pumped 30 bbls of 2% KCL water down 5 ½" x 3 ½" casing-tubing annulus. Released 5 ½" PLS treating packer. Pulled and laid down 3 ½" O.D. frac string and Halliburton 5 ½" PLS treating packer.

Ran 2 3/8" O.D., 4.7 lb/ft, J-55, EUE production string. Tagged top of sand fill at 3295' RKB.

Hooked up air circulating equipment. Cleaned out frac sand to PBTD of 3579'.

Raised and landed bottom of 2 3/8" O.D. tubing at 3454' RKB (108 jts @ 31.73'/jt + 1.1' SN + 18' MA - 2' AGL + 10' KBC = 3453.94'). Ran 2" x 1 1/4" x 12' RHAC insert pump. Started pumping well at 9.5 Spm x 64" x 1 1/4".