

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

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

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

WELL API NO. 30-025-09196
Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
State Oil & Gas Lease No.
Lease Name or Unit Agreement Name Emery King "SE"
Well No. 3
Pool name or Wildcat Jalmat (T-Y-7R) Gas

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.)	
Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	
Name of Operator Doyle Hartman	
Address of Operator 500 N. Main St., Midland, Texas 79701	
Well Location Unit Letter <u>J</u> : <u>2310</u> Feet From The <u>South</u> Line and <u>1650</u> Feet From The <u>East</u> Line 1 Section <u>23S</u> Township <u>36E</u> Range <u>NMPM</u> Lea County	
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:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ANBANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: Workover and Plug Back ☒

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 ORIGINAL SIGNED BY

CONDITIONS OF APPROVAL, IF ANY:

PAUL F. KAUTZ
PETROLEUM ENGINEER

MAY 13 2002

MAY-08-02 WED 09:05 AM FROM: 915 684 6976

TO:

PAGE 2

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 1/2" 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%

Page 3 of 3
NMOCD Form C-105 dated 4-08-02
Doyle Hartman
Emery King "SE" No. 3
J-1-23S-36E
API No. 30-025-09196

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 1/2" 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 1/2" Model "C" packer and 5 1/2" 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 1/2" O.D., 9.3lb/ft, N-80 frac string and Halliburton 5 1/2" PLS treating packer. Set 5 1/2" 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 1/2" x 3 1/2" casing-tubing annulus. Released 5 1/2" PLS treating packer. Pulled and laid down 3 1/2" O.D. frac string and Halliburton 5 1/2" 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".