

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. 30-025-09374
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
State Oil & Gas Lease No. B-934
Lease Name or Unit Agreement Name New Mexico "AA" State
Well No. 1
Pool name or Wildcat Jalmat (T-Y-SR) Gas
Well Location Unit Letter <u>H</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u> Line Section <u>22</u> Township <u>23</u> <u>24S</u> Range <u>36E</u> NMPM <u>Lea</u> County
Elevation (Show whether DF, RKB, RT, GR, etc.) 3370' GR (3378' DF)

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>H</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u> Line Section <u>22</u> Township <u>23</u> <u>24S</u> Range <u>36E</u> NMPM <u>Lea</u> County
Elevation (Show whether DF, RKB, RT, GR, etc.) 3370' GR (3378' DF)

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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: Deepened open-hole section. Ran 5" O.D. liner. ☒

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 Tricia Barnes TITLE Production Analyst DATE 03-12-01

TYPE OR PRINT NAME Tricia Barnes TELEPHONE NO. 915-684-4011

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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DETAILS OF COMPLETED OPERATIONS

Prior to rework operations, well was completed open hole, from 2913' to 3130'.

Moved in and rigged up well service unit. Pulled 3/4" rod string and 1 1/4" insert pump. Pulled and laid down 2 3/8" O.D. tubing.

Ran Baker 7" Model "C" RBP and 2 7/8" O.D. work string. Set RBP at 2800'. Loaded hole with 2% KCl water. Pressure tested 7" O.D., 20 lb/ft casing, to 2300 psi. Tied pump truck to 10 3/4" x 7" casing annulus. Pressure tested 10 3/4" x 7" annulus to 500 psi. Pressure held okay.

Hooked up air unit. Unloaded water from hole. Released and pulled RBP.

Installed new B&M Oil Tool 7" x 2 3/8" x 3" Type MR 3000-psi tubinghead.

Ran 482.79' bottom-hole drilling assembly consisting of 6 1/4" rock bit and (16) 4 3/4" O.D. drill collars.

Hooked up air and foam unit. Cleaned out 30' of fill, from existing open hole. Drilled 15' of new hole, from 3130' to 3145'. Pulled bottom-hole assembly.

Ran 482.79' bottom-hole assembly equipped with Varel 6 1/4" Type ETD617A button bit and (16) 4 3/4" O.D. drill collars. Drilled 6 1/4" hole from 3145' to 3726'.

Made up 5" O.D., 15 lb/ft, J-55, ST&C liner equipped with (19) 7" x 5" Lynch-Davis centralizers:

TIW 5" O.D., 18 lb/ft Type LG Tieback Sleeve	9.49'
TIW 7" x 5" Liner Hanger & Crossovers	6.25'
26 jts of 5" O.D., 15 lb/ft, J-55, ST&C casing	933.01'
TIW 5" Combination Landing-Float collar	1.30'
5" O.D., 15 lb/ft, J-55, ST&C pup jt.	13.73'
<u>TIW 5" O.D. float shoe</u>	<u>1.80'</u>
Total	965.58'

Landed 5" O.D., 15 lb/ft liner at 3725', with top of liner at 2759' (154' of overlap).

Cemented 5" O.D. liner, by pumping 40 bbls of 2% KCl water containing 1.25 lb/gal WG-22 followed by 120 sx of 13 lb/gal to 13.4 lb/gal Super "H" cement containing 5 lbs/sx Gilsonite, 0.35 lb/sx CFR-3, 0.44 lb/sx Halad-344, 3 lb/sx NaCl. Mixed cement at a rate of 7.6 BPM. Displaced cement with a total of 33.6 bbls of fresh water, at an average rate of 6.5 BPM (max rate = 8.0 BPM). Displaced final 8.6 bbls of slurry at a rate of 2 BPM.

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NMOCD Form C-103 dated 3-12-01
Doyle Hartman
New Mexico "AA" State No. 1
H-22-24S-36E
API No. 30-025-09374

Plug down at 3:10 P.M., CST, 2-23-01. Bumped plug at 1800 psi. Released pressure. Float held okay.

Ran 183.48' bottom-hole drilling assembly equipped with 6 1/4" rock bit and (6) 4 3/4" O.D. drill collars. Cleaned out fill, from 2247' to 2419'. Drilled cement, from 2419' to 2759' (top of 5" O.D. liner).

Pressure tested top of 5" O.D. liner to 1900 psi. Pressure held okay. Pulled and laid down 183.48' bottom-hole drilling assembly and 2 7/8" O.D. work string.

Made up and ran into hole with 173.63' bottom-hole drilling assembly equipped with 4 1/8" bit and (6) 3 1/8" O.D. drill collars. Picked up and ran new string of 2 3/8" O.D. tubing. Tagged up at 3691' RKB. Drilled float collar, and cement, to a PBTD of 3711'. Pulled 173.63' bottom-hole drilling assembly.

Rigged up Schlumberger. Logged well with VDCBL-GR-CCL log and DS-CNL-GR-CCL log.

Pressure tested 7" O.D. casing and 5" O.D. liner, to 2300 psi. Pressure held okay.

Rigged up Capitan Corporation. Perforated well with (36) 0.44" x 23" holes, from 3028' to 3518'. Ran open-ended 2 3/8" O.D. tubing. Spotted 700 gal of 15% MCA acid across and above perfs. Pulled 2 3/8" O.D. tubing.

Ran 2 3/8" O.D. tubing and 5" Model "C" packer. Set packer at 2881'. Acidized perfs with an additional 8000 gal (total of 8700 gal) of 15% MCA acid and 60 ball sealers, at an average treating rate of 6 BPM and average treating pressure of 2350 psi. Maximum treating rate was 7.6 BPM. Flushed with 30 bbls of 2% KCl water. $TP_{mx} = 3800$ psi (at ballout). $TP_{mn} = 1881$ psi.

ISIP = 254 psi
1 - min SIP = 120 psi
2 - min SIP = 0 psi

Knocked off ball sealers. Pulled and laid down Baker 5" Model "C" packer.

Ran 2 3/8" O.D. tubing. Landed tubing at 3664' RKB (113 jts @ 32.20'/jt + 1.1' SN + 18' MA - 3' AGL + 9' KBC = 3663.7'). Ran 2" x 1 1/4" x 12' RHAC insert pump and 3/4" rod string consisting of (144) 3/4" x 25' rods and (1) 3/4" x 4' rod sub. Started pumping well at 2:30 P.M., CST, 3-3-01, at 8.8 spm x 64" x 1 1/4".

On 3-12-01, observed the following well performance:

Gas:	22 MCFPD
Water:	3.4 BPWD
CP:	3.2 psi
LP:	3.0 psi