

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. 30-025-26196
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 "AB" State
Well No. 5
Pool name or Wildcat Langlie Mattix (7R-Qn-Gb)

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 <input type="checkbox"/>	
Name of Operator Doyle Hartman	
Address of Operator 500 N. Main Street, Midland, Tx 79701	
Well Location Unit Letter <u>H</u> : <u>1880</u> Feet From The <u>North</u> Line and <u>660</u> Feet From The <u>East</u> Line 16 Section 24S Township 37E Range NMPM Lea County	
Elevation (Show whether DF, RKB, RT, GR, etc.) 3269' GR	

11

Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

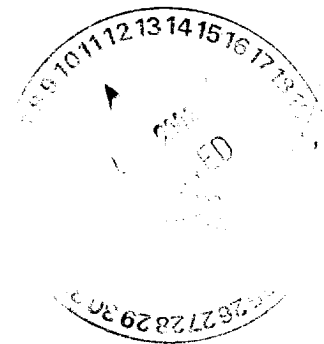
PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ANBANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: Water Shut-off & Dewatering of Gas Pay ☒

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 4, 3 of 4 and 4 of 4, 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 04-10-2002
TYPE OR PRINT NAME Loretta Crawford TELEPHONE NO. 915-684-4011

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ORIGINAL SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

MAY 06 2002

Page 2 of 4
NMOCD Form C-103 dated 4-10-02
Doyle Hartman
New Mexico "AB" State No. 5
H-16-24S-37E
API No. 30-025-26196

Details of Completed Operations

On 7-19-00, SITP = 308 psi.

Moved in and rigged up well service unit. Released 5" Model "C" packer. Pulled and laid down 95 jts (2988.44') of 2 7/8" O.D., 6.5 lb/ft, J-55, EUE tubing and Baker 5" Model "C" packer. Swabbed oil, from annulus, while pulling packer.

Removed Hercules tubinghead. Utilizing a 5 1/2" x 5" casing changeover, installed B & M Oil Tool 5 1/2" x 2 3/8" x 3" Type MR tubinghead.

Ran new 2 3/8" O.D., 4.7 lb/ft, J-55, EUE tubing string and 175.40' bottom-hole cleanout assembly consisting of 4 1/8" bit and (6) 3 1/8" O.D. drill collars.

Hooked up air circulating units. Unloaded fluid from hole.

Tagged top of fill at 3576'. Cleaned out fill (iron sulfide) to top of hard cement, at 3593'. After reaching PBTD, circulated hole for an additional 2.75 hours.

Pulled and laid down bottom-hole cleanout assembly.

Rigged up wireline truck. Set Halliburton 5" EZ-Drill retainer at 3536' (above bottom set of perfs, from 3539' to 3586').

Ran 5" Model "C" RBP and 5" Model "C" packer. Set 5" Model "C" RBP at 3523'. Set 5" Model "C" packer at 3428'. Using air unit, pressure tested 5" O.D. casing, from 3428' to 3523', to 800 psi, for 25 minutes. Pressure held steady.

Raised 5" Model "C" RBP to 3350'. Raised and set 5" Model "C" packer at 3270'. Hooked up air unit. Attempted to pressure test reported blank pipe, from 3270' to 3350'. Pumped in air at a stabilized pump-in pressure of 490 psi.

Raised and set 5" Model "C" packer at 3155'. Pressure tested 5" x 2 3/8" casing-tubing annulus, from 0' to 3155', to 820 psi, for 20 minutes. Pressure held okay.

Pumped air down 2 3/8" O.D. tubing, and into upper set of perforations, from 3166' to 3260', at a stabilized pump-in pressure of 350 psig.

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

Page 3 of 4
NMOCD Form C-103 dated 4-10-02
Doyle Hartman
New Mexico "AB" State No. 5
H-16-24S-37E
API No. 30-025-26196

Ran 2 3/8" O.D. tubing. Landed bottom of tubing at 3494' (107 jts @ 32.38'/jt + 1.1'SN + 18'MA - 2'AGL + 12'KBC = 3493.76'). Ran 2" x 1 1/2" x 16' RWBC insert pump and 7/8" x 3/4" API Class "KD" combination rod string, consisting of (90) 3/4" x 25' API Class "KD" rods and (47) 7/8" x 25' API Class "KD" rods.

Installed Lufkin C-228D-213-100 pumping unit. Started pump testing well, at 9 Spm x 100" x 1 1/2", at 6:15 p.m., 7-24-00. Prior to starting pumping unit, static fluid level was at 75 jts (2429').

Observed the following test results.

Test Date:	7-31-00
Test Period:	24.25 hrs
Fluid Production:	133.2 BW
Cumulative Production:	1399 BW
Fluid Rate:	131.8 BWPD
SICP:	242 psig (65-hr buildup)
Pumping FL:	98 jts (3183')

Moved in well service unit. Blew down casing. Pulled rods and tubing.

Ran 5" Model "C" packer. Set 5" Model "C" packer at 3477'. Hooked up kill truck. Pumped into well (below 5" Model "C" packer and above 5" EZ-Drill retainer) at a rate of 0.5 BPM and pump-in pressure of 700 psi.

Ran bottom-hole drilling assembly consisting of 4 1/8" bit and (6) 3 1/8" O.D. drill collars. Tagged top of 5" EZ-Drill retainer at 3536'. Drilled on 5" EZ-Drill retainer until slips relaxed. Pushed retainer to 3593' RKB.

Pulled bottom-hole drilling assembly. Ran 5" Model "C" RBP and 5" Model "C" packer. Set 5" Model "C" RBP at 3535' and 5" Model "C" packer at 3510'. Hooked up kill truck. Pumped into 25' interval, from 3510' to 3535', at a rate of 0.5 BPM and a pump-in pressure of 500 psi..

Raised 5" Model "C" RBP to 3519'. Set 5" Model "C" packer at 3500'. Pumped into 19' interval, from 3500' to 3519', at a rate of 0.75 BPM and pump-in pressure of 500 psi..

Raised and set 5" Model "C" RBP at 3482'. Set 5" Model "C" packer at 3446'. Found no leaks corresponding to 36' interval between 3446' and 3482'.

Pulled 5" Model "C" packer and 5" Model "C" RBP.

Page 4 of 4
NMOCD Form C-103 dated 4-10-02
Doyle Hartman
New Mexico "AB" State No. 5
H-16-24S-37E
API No. 30-025-26196

Rigged up wireline truck. Set 5" EZ-Drill retainer at 3455'. Ran 2 3/8" O.D. tubing equipped with stinger tool.

Stung into 5" EZ-Drill retainer at 3455'. Established a pump-in rate of 3 BPM, at 1100 psi.

Squeeze cemented perms, from 3539' to 3586', with 200 sx of API Class "C" cement containing 2% CaCl_2 , at an average cementing rate of 3.7 BPM and average pump pressure of 1700 psi. Final displacement rate was 1.5 BPM, at 2069 psi. ISIP = 1632 psi.

Pulled out of retainer. Pulled 2 3/8" O.D. tubing. Laid down stinger tool.

Ran bottom-hole drilling assembly consisting of 4 1/8" bit and (6) 3 1/8" O.D. drill collars. Drilled 5" EZ-Drill retainer at 3455'. Drilled hard cement from 3457' to 3482'. Pulled and laid down bottom-hole drilling assembly. New PBTD at 3482'.

Ran 2 3/8" O.D. tubing. Landed bottom of tubing at 3461'RKB (106 jts @ 32.38'/jt + 1.1'SN + 18'MA - 2'AGL + 12'KBC = 3461.38'). Ran 2" x 1 1/2" x 16' RWBC insert pump and 7/8" x 3/4" API Class "KD" combination rod string. Resumed dewatering and testing well, at 9:30 p.m., 8-2-00, at 9 Spm x 100" x 1 1/2".

Tied well into sales line. Returned well to active producing status, from remaining Langlie Mattix perms, between 3166' and 3422'.

On 4-10-02, tested well as follows:

Test Time:	9:45 a.m. CDT
Test Period:	16.75 hrs
Water Production:	7.5 BW
Gas Rate:	22 MCFPD
Water Rate:	10.7 BWPD
CP:	0.8 psig
LP:	0.8 psig

