

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-045-09630
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name HELEN HARTMAN
8. Well No. 1
9. Pool name or Wildcat Blanco Mesa Verde

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.)	
1. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER:	
2. Name of Operator ROBERT L. BAYLESS	
3. Address of Operator P.O. BOX 168, FARMINGTON, NM 87499	
4. Well Location Unit Letter <u>P</u> : <u>1190</u> Feet from the <u>South</u> Line and <u>1190</u> Feet from The <u>East</u> Line Section <u>8</u> Township <u>30N</u> Range <u>11W</u> NMPM <u>SAN JUAN</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 5571 GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO :	SUBSEQUENT REPORT OF :
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
OTHER: <u>Workover</u> <input checked="" type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
	CASING TEST AND CEMENT JOB <input type="checkbox"/>
	OTHER: <input type="checkbox"/>

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.

Bayless proposes to reperforate certain zones in the Mesa Verde (Menefee) and frac the Menefee. In a 1/98 workover the Point Lookout was fraced and a frac was attempted in the Menefee. The Menefee frac could not be pumped due to high pressures. Bayless proposes to try this frac again.

The Mesa Verde production is commingled with the Dakota in this well. Since the approved allocation method grants production above an established decline in the Dakota to the Mesa Verde, the commingling allocation method is not affected.

A procedure and a wellbore diagram is attached.

* Tubing Depth 6450 Approved for 60 days

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

SIGNATURE Tom McCarthy TITLE ENGINEER DATE 1/15/03

TYPE OR PRINT NAME Tom McCarthy TELEPHONE NO. (505) 326-2659

(This space for State Use)

* APPROVED BY Charles L. ... TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE JAN 21 2003

CONDITIONS OF APPROVAL, IF ANY: Sixty days

ROBERT L. BAYLESS
WORKOVER PROCEDURE
HELEN HARTMAN NO. 1

SEE ATTACHED WELL BORE DIAGRAM.

PURPOSE: Fracture treat Menefee zone

1. Check rig anchors and wellhead. Check that valves operate. Move in 7 400 BBL frac tanks.
2. Move in workover rig with pump and pit and rig up. Blow down and kill well. Nipple up BOP. Haul in 2% KCl water to rig pit.
3. Pick up 2 3/8" tubing and trip in to find PBD. Trip out with tubing. Tally while tripping out, and inspect tubing visually.
4. Rig up Blue Jet. Trip in and set tubing retrievable bridge plug at 4260'. Trip in with a casing gun and perforate the following Menefee intervals:

4000 - 4006'	13 holes	
4024 - 4034'	21 holes	(now 180 total holes)
4150 - 4182'	65 holes	

5. Pick up packer and trip in to 4250'. Set packer and pressure test bridge plug to 1000PSI.
6. Pull packer to 4182'. Spot 500 Gallons 15% HCl with inhibitors.
7. Trip out to 3400' and set packer. Establish an injection rate and pressure down tubing and acidize down tubing with 1000 gallons 15% HCl 180 ball sealers. Attempt to ball-off casing to 2500 PSI. Release packer and trip in to knock balls off perforations. Trip out with tubing and packer.
8. Fracture stimulate the Menefee zone down casing with 97,610 gallons slick water and 92,500 pounds 20/40 sand as follows:

25,000 gallons	Slickwater	Pad	
5,000 gallons	Slickwater	.5 PPG	20/40 Arizona sand
25,000 gallons	Slickwater	1 PPG	20/40 Arizona sand
30,000 gallons	Slickwater	1.5 PPG	20/40 Arizona sand
10,000 gallons	Slickwater	2 PPG	20/40 Arizona sand
2,610 gallons	Slickwater	Flush	

Job rate: 40 BBL/minute.

9. Pick up retrieving head and tubing. Trip in and circulate sand fill down to bridge plug. Retrieve bridge plug and trip out.
10. Trip in with tubing to produce. Tubing will be landed high in the event of additional sand production from the Menefee. Trip in with 1 joint, seating nipple, then tubing to land at 6450'.
11. Nipple down BOP and nipple up wellhead. Swab well in to produce. Rig down.

We will move the rig back on at a later date to lower the tubing, and clean out additional sand, if required.

WELLBORE DIAGRAM

Helen Hartman No. 1
SESE Sec 8, T30N, R11W
1190' FSL & 1190' FEL
San Juan County, New Mexico

5571' GRND 5584' KB

Compl: 2/22/62

9 5/8" 32.3# AT 325'
Cemented w/ 210 Sx
12 1/4" hole
Good returns.

PL Frac: 120000 gal slickwater & 116250# 20-40
Men frac: none

PL perfs	Men perfs
4290-4302	3997-4003
4318-4336	4021-4031
4341-4349	4102-4106
4354-4360	4128-4132
4378-4380	4166-4170
4395-4398	4173-4179
4419-4424	4214-4217
4477-4480	
Total	57'2SPF 37' 2SPF
	122 holes 81 holes

TUBING: KB	11.50
207 JTS 2.375" EUE	6,544.49
SN	1.08
1 JT 2.375" EUE	31.63
TOTAL	6,588.70

Dakota perfs: 6592-6604', 6629-6633', 4 SPF
Frac 40000# sd, 43800 gal wt.
6508-6524', 4 SPF (noted slight comm w/ lower perfs)
Frac 40000# sd, 44300 gal wt.

4 1/2" 10.5# casing set at 6655'. Cemented
w/ 225 sx 50:50 poz 4% gel & 100 sx neat
2nd stage 300 sx 50:50 poz 6% gel
3rd stage 150 sx 50:50 poz 6% gel
DV's at 4570' & 2164'.

7 7/8" hole

PLUG BACK	6635 KB
TOTAL DEPTH	6658 KB

