

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

WELL API NO. 30-025-28058
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-2317
7. Lease Name or Unit Agreement Name M. E. Hale
8. Well No. 15
9. Pool name or Wildcat Vacuum Gb/SA

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 ☐ GAS WELL ☐ OTHER Water Injection

2. Name of Operator
Phillips Petroleum Company

3. Address of Operator
4001 Penbrook St., Odessa, TX 79762

4. Well Location
Unit Letter K : 2630 Feet From The South Line and 2630 Feet From The West Line

Section 35 Township 17-S Range 34-E NMPM Lea County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
4018' 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: Isolate Lower Perfs with CIBP <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.
1. MIRU. NU Class 2 BOP's. POOH with 2-7/8" tubing.
 2. GIH with bit and casing scraper on 2-7/8" tubing workstring. Clean out 5-1/2" 15.5# casing to PBTD at approx. 4754'. POOH.
 3. GIH with CIBP. Set CIBP at 4580'.
 4. RIH with 2-7/8" tubing workstring and RTTS type packer. Set packer at 4350'. Pressure test casing and packer to 500 psi. Hold 500 psi on annulus during acid treatment.
 5. Pump 4,100 gallons of 15% HCl.
 6. Swab. COOH with packer and tubing.
 7. RIH with 2-7/8" J-55 IPC injection tubing and injection packer. Set packer at 4380'.
 8. Apply 500 psi to annulus & hold for 30 minutes. Notify NMOC to witness test (500# for 30 min). Record test on pressure chart.
 9. Return well to water injection.

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

SIGNATURE L. M. Sanders TITLE Supv., Reg. Affairs DATE 07/27/93
TYPE OR PRINT NAME L. M. Sanders TELEPHONE NO. 368-1488

(This space for State Use)

Orig. Signed by
Paul Kautz
Geologist

APPROVED BY _____ DATE JUL 29 1993

CONDITIONS OF APPROVAL, IF ANY:

WELL SERVICE APPROVAL
HILLIPS PETROLEUM COMPANY--PERMIAN BASIN R.L. JN
Procedure No. 93167

Date July 13, 1993

RKB @ 4028.0'
DF @ 4027.0'
GL @ 4016.0'

Category Code: NONE ONE
Area North Subarea Buckeye
Lease & Well No. M.E. Hale #15
Legal Description 2630' FSL & 2630' FWL, Section 35, T17S - R34E
Lea County State: New Mexico
Field Vacuum
Status: INJ Date: July 1993: BOPD BWPD MCFPD
Tbg. 4340' of 2-7/8" 6.5# (Internally Plastic Coated)
Other Baker AD-1 packer @ 4340'

8-5/8" 24# K-55 Csg.
set @ 379'
Cmtd w/400 sxs
TOC @ Surface
(circ 20 sxs)

Date Drilled: February 1983
Hole/Casing Condition Good
Last Stimulation: 6/20/90 - 19000 gal 20% HCL & 110 RCNB diverter balls

Workover Proposal: Isolate lower San Andres perfs at 4600' - 4616', 4621' - 4638', and 4666' - 4736' with CIBP in order to divert water to injection perfs uphole at 4422' - 4538'.

Wellhead Description: (Include connection that BOP will bolt to)
Not shown in wellfiles. Vendor to verify prior to RU.

PROJECT JUSTIFICATION: Recent Injection Profile survey run on the M.E. Hale #15 indicates that approx. 70% of total injection water is being taken by perfs @ 4600' - 4736'. Isolating these lower perfs will allow increased injection into upper perfs @ 4422' - 4538', which will provide for better Hale waterflood efficiency.

Stimulation History:

Interval	Date	Type	Gals	Sand	Rate	Press
4422-4736	4/12/83	15% NEFE	19,100	131 RCNBS	----	2740#
4422-4736	6/21/90	20% HCL	19,000	210 RCNBS	3.0	2450#

Tubular Data:

Size	Weight	Grade	Burst	Collapse	Tension	Drift I.D.	Capacity (Bbls/ft)
5-1/2"	15.5	K-55	4510	3810	131,000	4.825	.0238
2-7/8"	6.50	J-55	5930	6670	67,600	2.347	.00579

Checked by: _____
Reservoir Engr.: K.H. Maberry
Production Engr.: D.G. Harms
Prod. Engr. Supvr.: K.E. Snow
D&P Engr. Director: R.K. Bogan
North Distr. Mngr.: T.J. Bogan

Perforations (1 SPF)
(Grayburg/San Andres)

Copies: R.M. Sulak
(r) Central Files
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T.J. Bogan
(r) D.G. Williamson
R.K. Bogan
(r) K.E. Snow
D.G. Harms
L.M. Sanders
L.S. Malone
M.L. Moore
J.S. Chimahusky
J.I. Michaelis
R.W. Chambers

PROJECT ECONOMICS @ \$ 18.78
10 BOPD MCFD
AARR 500+ %
PAYOUT 0.2 YRS.
NTER 21.0 TIMES
NPV @ 13% 106.8
PI @ 13% 13.94
ECONOMIC LIFE 10.4 YRS.
EST. COMPL. DATE 8/93

PPCO: W.I. 50.000000 %
R.I. 87.500000 %

CHARGE TO	EXPENSE	AFE	WO	GROSS COST	NET COST
INVESTMENT				\$ 16,500	\$ 8,250
TOTAL				\$ 16,500	\$ 8,250

==== 4422' - 4428' (6')
==== 4434' - 4484' (50')
==== 4488' - 4500' (12')
==== 4528' - 4538' (10')

4580' Proposed CIBP

==== 4600' - 4616' (16')
==== 4621' - 4638' (17')
==== 4666' - 4736' (70')
181'

PBTD = 4754'
TD = 4800'