

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-79

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ For ☐

5. State Oil & Gas Lease No.
LG - 4082

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 - L" (FORM C-101) FOR SUCH PROPOSALS.

OIL WELL ☐ GAS WELL ☒ OTHER ☐

Name of Operator
Harvey E. Yates Company

Address of Operator
P. O. Box 1933, Roswell, New Mexico 88201

Location of Well
UNIT LETTER I 1980 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 8 TOWNSHIP 14S RANGE 36E NMPM.

10. Field and Pool, or Wildcat
Und. Austin-Mississippi

15. Elevation (Show whether DF, RT, GR, etc.)
3959.5 GL

7. Unit Agreement Name

8. Farm or Lease Name
Austin-Montieth

9. Well No.
2

12. County
Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

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

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOBS ☐
OTHER BOP Tests & DST's, Cement lost circulation zone. ☒

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.

5/15/80 Depth 7875'. Yellow Jacket Test of BOP, casing head & manifold. O.K.

5/21/80 Results of DST #1 from 9780' to 9829':
Opened tool @ 2:01 pm 5/20/80 for 30" PF. Had weak blow, increasing to fair; 0 psi. Closed tool @ 2:31 pm for 60 ISIP. Opened tool @ 3:31 pm for FF; fair blow; decreasing to weak; no GTS. Closed tool @ 4:31 pm for 180" FSIP. Rec 190' cut-gas drlg fluid w/trace of oil. Sampler: 35 psi; 0 CFG; 2300 cc gas-cut drlg fluid w/trace of oil.

PRESSURES:

BOTTOM CHART

HPI	4358 psi
30" PF	44/88 psi
60" ISIP	747 psi
60" FFP	88/88 psi
180" FSIP	2917 psi
HOP	4314 psi

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

SIGNED Peck Harder TITLE Engineer DATE June 10, 1980

APPROVED BY John Runyan TITLE Geologist DATE June 10, 1980
CONDITIONS OF APPROVAL, IF ANY

5/24/80 Depth 10,768'. Lost circulation. Mixing Mud.

5/25/80 Results of DST #2 from 10,675' to 10,768' (93'):
Opened tool @ 3:12 pm 5/24/80 w/fair blow; 1/2 psi surface press through bubble hose; opened on 1/4" choke. At 3:27 pm had 5 psi surface press; @ 3:32 pm had 7 psi and @ 3:42 pm had 8 psi. Closed tool @ 3:42 pm for 60" SIP; reopened tool @ 4:42 pm w/no blow. Closed tool @ 4:57 for 3 hr- FSIP. Pulled pkrs free @ 9:10 pm Rec 8768' sulphur water and small amount of drlg mud. Sampler: 0 psi; 1000 cc sulphur water; no oil or gas.

PRESSURES: BOTTOM CHARTS

HPI	5109 psi
90" IF-FF	2701/4216 psi
180" SIP	4216 psi
HPO	4841 psi

Note: Tool did not close for 60" SIP; remained open for 90".

5/26/80 Depth 10,830'. Mixed & pumped 1000 gal SAF-MARK III, spotted across LC Zone.

5/29/80 Results of DST No. 3 from 11,000' to 11,230' (230'):
Opened tool @ 3:05 am 5/28/80 w/weak blow, increased to fair; 1/2 psi through 1/4" choke @ end of 30" PF. Closed tool @ 3:35 am for ISIP; reopened tool @ 4:35 am w/fair blow; press increased from 0 psi to 1 1/2 psi @ end of 60" 2nd flow. Closed tool @ 5:35 am; while tool was closed, had GTS in 45" into the 2nd SI period. After 3 hr-SI, released pkrs and POH. Rec 60' heavy gas and oil cut mud, 410' heavy gas and slight oil-cut mud; 350' heavy gas-cut sulphur water, 580' slightly gas-cut sulphur water (total of 1400' of fluid). Sampler: 10 psi, 1100 cc sulphur water w/trace of oil, 0 oil, 0 gas. BHT 152° F.

PRESSURES: BOTTOM CHARTS

IHP	5154 psi
30" IF/FF	200/377 psi
60" ISIP	3748 psi
60" 2nd IF/FF	421/665 psi
180" FSIP	3437 psi
FHP	4976 psi

Depth 11,230' WOC. Set cement plug @ 10,875'. 5 hrs-trip; 8 hrs-trip and set cement plug; 2 1/4 hrs-PU bottom hole assembly; 3 1/2 hrs-DST #3; 2 1/2 hrs-LD tool; 1/2 hr-setting cement plug @ 10,875'; 2 1/4 hrs. WOC. Cemented w/150 sx Class "H" w/.5 of 1% CFR-2. Completed @ 8:30 pm 5/28/80.

5/30/80 Depth 11,315'; formation-11 and sand; 85' of progress. Mud Wgt-9#; Vis-30; PH-12.5; WL-42; FC-3/32; CI-50,000. 6 hrs-drig; 2 1/4 hrs-trip; 8 1/4 hrs WOC; 7 1/2 hrs-drig 214' of cement. Regained circulation.