(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR (Other instructions on reverse side)
BUREAU OF LAND MANAGEMENT Drawer DD Artesia, NM 88210

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.: NM 37601 NM-060

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

# 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—" for such proposals.)

RECEIVED
91 JUN 19 PM 2:37
BLM FARMINGTON, N.M.

1. OIL WELL ☐ GAS WELL ☒ OTHER

7. UNIT AGREEMENT NAME: --

2. NAME OF OPERATOR: DEKALB Energy Company ✓

8. FARM OR LEASE NAME: Vance Federal Com

3. ADDRESS OF OPERATOR: 1625 Broadway Denver, CO 80202

9. WELL NO.: 3

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 660'FSL, 660'FWL SW SW

RECEIVED
OCT 30 1991
O. C. D.
ARTESIA, OFFICE

10. FIELD AND POOL OR WILDCAT: Pecos Slopes Abo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. ~~27~~ 26, T7S-R26E

14. PERMIT NO: API 30-005-61508

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 3794'GR 3804'KB

12. COUNTY OR PARISH: Chaves

13. STATE: NM

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| TEST WATER SHUT-OFF ☐ | PULL OR ALTER CASING ☐ | WATER SHUT-OFF ☐ | REPAIRING WELL ☐ |
| FRACTURE TREAT ☐ | MULTIPLE COMPLETE ☐ | FRACTURE TREATMENT ☐ | ALTERING CASING ☐ |
| SHOOT OR ACIDIZE ☐ | ABANDON* ☐ | SHOOTING OR ACIDIZING ☐ | ABANDONMENT* ☐ |
| REPAIR WELL ☐ | CHANGE PLANS ☐ | (Other) Gas Analysis | ☒ |
| (Other) | | (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The Vance Federal Com No. 3 well has no $H_2S$ concentration.

OCT 11 11 11 PM '91

18. I hereby certify that the foregoing is true and correct

SIGNED R L Flowers TITLE District Superintendent DATE 6/6/91

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

TRANSWESTERN PIPELINE COMPANY
( SUBSIDIARY OF ENRON CORP.)

**********
GAS QUALITY TEST REPORT
**********

| | | | |
|---|---|---|---|
| PRODUCER | DEPCO INC | STATION NO. | 1577-1 |
| FIELD | ISLER | EFFECTIVE DATE | 10/20/86 |
| RESERVOIR | ABO | LAB NUMBER | 4 |
| STATION NAME | VANCE FED #3 | | |

| COMPONENTS | SPECIFIC GRAVITY | MOLE FRACTION |
|---|---|---|
| NITROGEN | .9672 | .0503 |
| CARBON DIOXIDE | 1.5195 | .0004 |
| HELIUM | .1382 | |
| OXYGEN | 1.1048 | .0000 |
| HYDROGEN SULFIDE | 1.1766 | .0000 |
| WATER VAPOR | .6220 | .0000 |
| METHANE | .5539 | .8729 |
| ETHANE | 1.0382 | .0442 |
| PROPANE | 1.5225 | .0177 |
| ISOBUTANE | 2.0068 | .0028 |
| N-BUTANE | 2.0068 | .0056 |
| ISOPENTANE | 2.4911 | .0017 |
| N-PENTANE | 2.4911 | .0017 |
| HEXANES | 2.9753 | .0013 |
| HEPTANES+ | 3.5807 | .0014 |
| COMPOSITION | | 1.0000 |

| LIQUEFIABLE HYDROCARBONS | COMPONENT GPM | GPM CONTENT |
|---|---|---|
| PROPANE | 27.514 | .4870 |
| ISOBUTANE | 32.698 | .0916 |
| N-BUTANE | 31.510 | .1765 |
| LPG | | .7550 |
| ISOPENTANE | 36.582 | .0622 |
| N-PENTANE | 36.213 | .0616 |
| HEXANES | 41.111 | .0534 |
| HEPTANES+ | 46.126 | .0646 |
| NATURAL GASOLINE | | .2418 |
| TOTAL LIQUEFIABLE GPM | | .9968 |

| | |
|---|---|
| WATER VAPOR CONTENT: | |
| GAS MIXTURE STATIC PSIG | 160.0 |
| FLOWING GAS TEMP (F) | 60.0 |
| WATER VAPOR DEW POINT (F) | 44.0 |
| LBS WATER VAPOR / MMCF | 42.0 |
| DEHY INSTALLED (TW) | NO |
| INSTRUMENT TYPE | PAN |
| MOL FRACTION | .0009 |

| | |
|---|---|
| MIXTURE SPECIFIC GRAVITY | |
| CALC. FROM ANAL. (REAL) | .641 |
| DETERMINED BY TEST INST. | .642 |
| INST.VERIFIED | OCT |
| MIXTURE HEATING VALUE | |
| (BTU/CF @ 14.73 PSIA,60F,SAT.) | |
| CALCULATED FROM ANALYSIS | 1046 |
| BY CALORIMETRY | NONE |

SULFUR CONTENT (GR. PER 100 CF)
HYDROGEN SULFIDE
MERCAPTANS
SULFIDES
RESIDUALS
TOTAL SULFUR
MOLE FRACT H2S

COMPRESSIBILITY (Z) .9976

R: 13:09 OCT 22, 1986

ANALYST Tommy Lee [TW]