

AMERICULTURE

EXHIBIT

7



January 18, 2012

Mr. Randy Dade
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
District 2 Supervisor
811 South First Street
Artesia, NM 88210
575-748-1283
Randy.Dade@state.nm.us

RE: Request for Temporary Approval to Conduct a Tracer Test in State Wells No. 1, No. 3 and No.4 for Lightning Dock Geothermal HI-01, LLC, Hidalgo County, New Mexico

Dear Mr. Dade:

On behalf of Lightning Dock Geothermal HI-01, LLC (LDG), AMEC Environment & Infrastructure (AMEC) requests temporary approval to re-enter three geothermal wells on New Mexico State geothermal lease GTR 303 to conduct a temporary tracer test and, if necessary, conduct geophysical logging. This project is being undertaken jointly by Rosette, Inc.'s new management and LDG. The research and data collected through the proposed temporary tracer test will assist LDG in evaluating the properties of this geothermal reservoir. Based on LDG's research to date, it believes that this geothermal resource will support electricity generation at a utility scale (15 MW).

LDG proposes the following conditions in connection with its proposed testing and data collection.

1. The re-entered wells would include State Well No. 1, State Well No. 3, and State Well No. 4, which are all located in the southeast corner of New Mexico Section 6, Twp 25S, R 19W. The locations of these wells are depicted on Figure 1. This portion of Section 6 is State Trust Land and LDG has received permission from Rosette, Inc. (the lessee), to use these wells for purposes of this test. LDG is not proposing—and does not have the lessee's permission to—use these wells as permanent project wells.
2. AMEC has reviewed the online databases of the Oil Conservation Division, Office of the State Engineer, and the Petroleum Recovery Research Center of New Mexico Tech and has located the permits and bonding verification for State Wells No. 1, No. 3, and No. 4. The attached Form G-103s for each well have been prepared based on the Form G-101s that reside in OCDs on-line database.
3. For the dye used in the tracer test, LDG proposes to mix Rhodamine WT, which is a standard water tracing dye, with fresh cold water from a separate well located in the northwest corner of Section 12, Twp 25S, R 19W, at the approximate coordinates of 32.14818 N and -108.86157 W (Figure 1). Laboratory analytical results for samples collected from this well in Section 12 in

1986, 2008, and 2010 indicate that the water quality meets or exceeds the drinking water quality requirements set forth in NMAC 26.6.2. Water quality data for the Section 12 well is presented in Table 1 and the MSDS for Rhodamine WT is attached.

4. The specific actions involved in preparing the water tracing dye are as follows:
 - Place 400 gallons of fresh water from the Section 12 well into a clean poly mixing tank, one 400 gallon batch for each well;
 - Add 50 kg of Rhodamine WT liquid or powder to the tank;
 - Stir or circulate until the liquids are thoroughly mixed.
5. The diluted water tracing dye will be pumped into State Well No. 1, No. 3, or No. 4 at a rate of approximately 30 gallons per minute (gpm) and a pressure of approximately 30 pounds per square inch.
6. Following placement of the water tracing dye into the well(s), the test program requires pumping of additional fresh water from the Section 12 well into the State Wells that have received the tracer at a rate of approximately 300 gpm (for each well) for three to five days.

During the tracer test period (three to five days), the discharge from the pumped wells will be monitored for the presence of tracer. The discharge will take place under LDG's current discharge permit.

7. Mr. Chavez has also requested that Forms G-101 and G-102 be sent to you, with a copy to him. The Forms G 101 and G102 for each of the State Wells are attached. We would appreciate your review as quickly as possible because LDG is under a deadline to analyze the results of this tracer test by February 1, 2012.

Thank you very much for assistance in the development of this important energy project. Should you have questions regarding this application package, please do not hesitate to contact me by email at David.Janney@amec.com or by phone at (505) 821-1801.

Respectfully submitted,

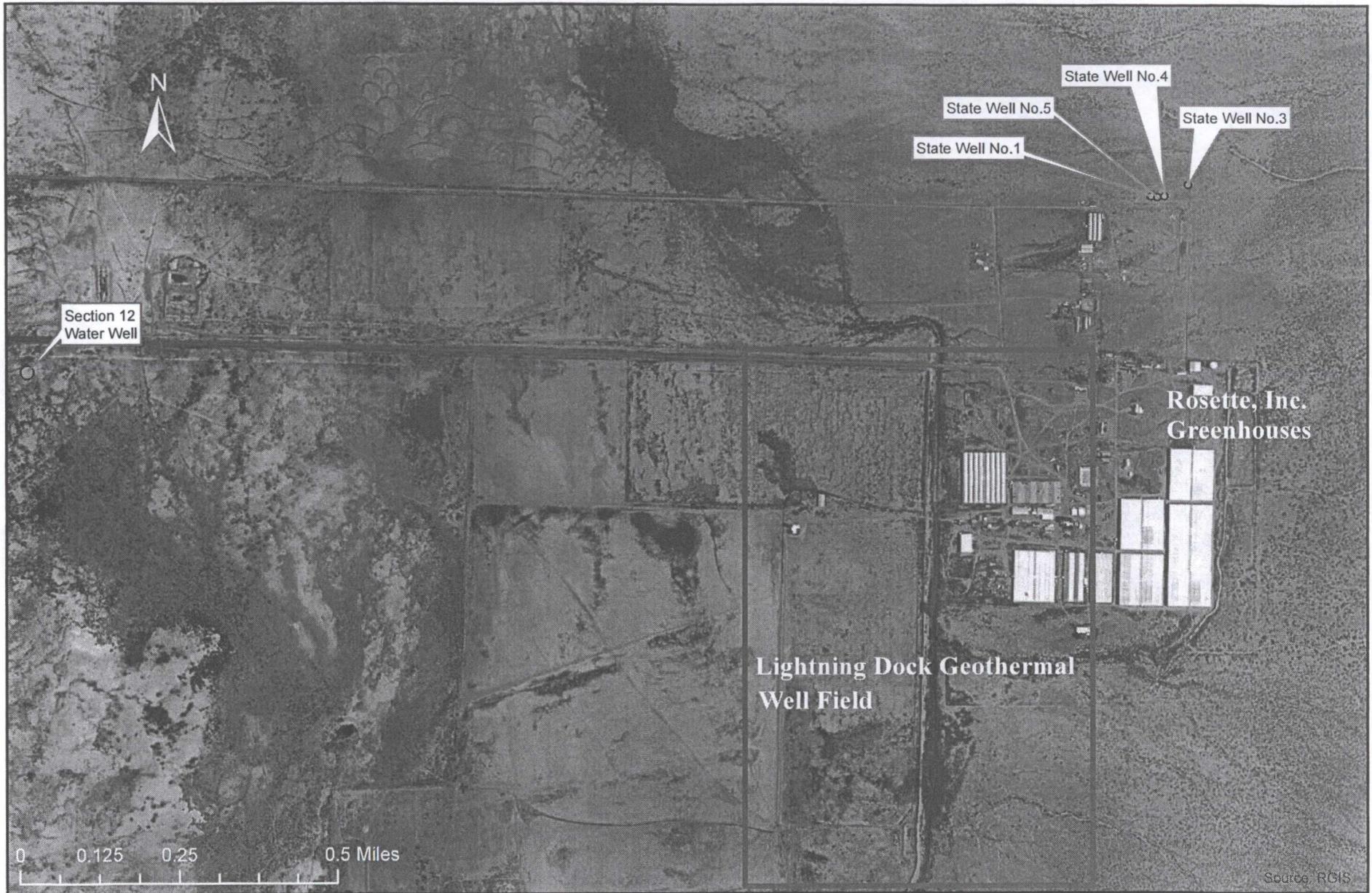


David W. Janney, PG
Geologist, Agent for Lightning Dock Geothermal HI-01, LLC

Cc: Mr. Carl J. Chavez, NMOCD
Michael Hayter – Lightning Dock Geothermal
Michelle Henrie – Attorney for Lightning Dock Geothermal

Attachments

Figure 1 Locations of the State Wells and the Section 12 Fresh Water Well
Forms G-103
Table 1 Summary of laboratory Analytical Results for the Section 12 Fresh Water Well
MSDS for Rhodamine WT
Forms G-103



| | | | | | |
|--|--|--|--|--------------|--|
| CLIENT | | PROJECT | | REV NO.: | |
| Lightning Dock Geothermal H1-01, LLC | | Lightning Dock Geothermal H1-01, LLC Hidalgo County, New Mexico | | -- | |
| AMEC Environment & Infrastructure 8519 Jefferson, NE Albuquerque, New Mexico 87113 | | TITLE | | DATE: | |
|  | | Locations of State Well No.1, 3, 4, and 5 and Section 12 Well | | OCT 2011 | |
| | | DWN BY: RLRJR | | PROJECT NO.: | |
| | | CHKD BY: DJ | | 11-517-00102 | |
| | | DATUM: N/A | | FIGURE NO.: | |
| | | PROJECTION: N/A | | 1 | |
| | | SCALE: AS SHOWN | | | |

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form G-103
Adopted 10-1-74
Revised 10-1-78

| | | |
|------------------------|--|--|
| NO. OF COPIES RECEIVED | | |
| DISTRIBUTION | | |
| File | | |
| N. M. B. M. | | |
| U. S. G. S. | | |
| Operator | | |
| Land Office | | |

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease
State Fee
5.a State Lease No.
GTR 303

Do Not Use This Form for Proposals to Drill or to Deepen or Plug Back to a Different Reservoir. Use "Application For Permit -" (Form G-101) for Such Proposals.

| | |
|--|---|
| 1. Type of well Geothermal Producer <input type="checkbox"/> Temp. Observation <input type="checkbox"/> Low-Temp Thermal <input checked="" type="checkbox"/> Injection/Disposal <input type="checkbox"/> | 7. Unit Agreement Name |
| 2. Name of Operator Rosette Inc. | 8. Farm or Lease Name Rosette Inc. |
| 3. Address of Operator P.O. Box 1618, Roswell, NM 88202-1618 | 9. Well No. State Well 1 |
| 4. Location of Well Unit Letter <u>P</u> <u>1050</u> Feet From The <u>East</u> Line and <u>50</u> Feet From The <u>South</u> Line, Section <u>6</u> Township <u>25S</u> Range <u>19W</u> NMPM. | 10. Field and Pool, or Wildcat Wildcat |
| 15. Elevation (Show whether DF, RT, GR, etc.) 4250' DF | 12. County Hidalgo |

16. 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"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG & ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | | CASING TEST AND CEMENT JOB <input type="checkbox"/> | |
| OTHER <u>one-time tracer test</u> <input checked="" type="checkbox"/> | | OTHER _____ <input type="checkbox"/> | |

17. Describe Proposed or completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 203.

Please see attached letter:

Request for Temporary Approval to Conduct a Tracer Test
in State Wells No. 1, No. 3, and No. 4. for Lightning Dock Geothermal H1-G1, LLC
Hidalgo, dated January 18, 2012

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

SIGNED David W. Jarman, PG TITLE Agent for Lightning Dock Geothermal DATE 1/18/2012

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form O-103
Adopted 10-1-74
Revised 10-1-78

| | | |
|------------------------|--|--|
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| File | | |
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| U. S. G. S. | | |
| Operator | | |
| Land Office | | |

SUNDRY NOTICES AND REPORTS
ON
GEOTHERMAL RESOURCES WELLS

5. Indicate Type of Lease
State Fee

5.a State Lease No.
GTR 303

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| | | |
|---|---|---|
| 1. Type of well Geothermal Producer <input type="checkbox"/> Low-Temp Thermal <input checked="" type="checkbox"/> | Temp. Observation <input type="checkbox"/> Injection/Disposal <input type="checkbox"/> | 7. Unit Agreement Name |
| 2. Name of Operator Rosette Inc. | | 8. Farm or Lease Name Rosette Inc. |
| 3. Address of Operator P.O. Box 1618, Roswell, NM 88202-1618 | | 9. Well No. State Well 3 |
| 4. Location of Well Unit Letter <u>O</u> <u>1520</u> Feet From The <u>East</u> Line and <u>100</u> Feet From The <u>South</u> Line, Section <u>6</u> Township <u>25S</u> Range <u>19W</u> NMPM. | | 10. Field and Pool, or Wildcat Wildcat |
| 15. Elevation (Show whether DF, RT, GR, etc.) 4250' DF | | 12. County Hidalgo |

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

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| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG & ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | | CASING TEST AND CEMENT JOB <input type="checkbox"/> | |
| OTHER <u>one-time tracer test</u> <input checked="" type="checkbox"/> | | OTHER _____ <input type="checkbox"/> | |

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Please see attached letter:
Request for Temporary Approval to Conduct a Tracer Test
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Hidalgo, dated January 18, 2012

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

SIGNED David W. Janssen, PG TITLE Agent for Lightning Dock Geothermal DATE 1/18/2012

APPROVED BY _____ TITLE _____ DATE _____

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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form G-103
Adopted 10-1-74
Revised 10-1-78

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ON
GEOTHERMAL RESOURCES WELLS

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5.a State Lease No.
GTR 303

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|--|---|
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| 2. Name of Operator Rosette Inc. | 8. Farm or Lease Name Rosette Inc. |
| 3. Address of Operator P.O. Box 1618, Roswell, NM 88202-1618 | 9. Well No. State Well 4 |
| 4. Location of Well Unit Letter <u>P</u> <u>800</u> Feet From The <u>East</u> Line and <u>50</u> Feet From The <u>South</u> Line, Section <u>6</u> Township <u>25S</u> Range <u>19W</u> NMPM. | 10. Field and Pool, or Wildcat Wildcat |
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Hidalgo, dated January 18, 2012

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

SIGNED Daniel W. Finney, PG TITLE Agent for Lightning Dock Geothermal DATE 1/18/2012

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

TABLE 1
Summary of Laboratory Analytical Results for the Section 12 Fresh Water Well

| NMAC Analytes group | NMAC Standard | Analytical Results | | |
|--|------------------|---------------------------|-------------------|------------------|
| | | Sample Date and Sample ID | | |
| | | 2010 236040-162 | 2008 8031235 | 1986 OCD-5 |
| A | | | | |
| 1 Arsenic (As) | 0.1 mg/l | nm | <0.005 mg/l | <0.005 mg/l |
| 2 Barium (Ba) | 1 mg/l | nm | 0.024 mg/l | <0.1 mg/l |
| 3 Cadmium (Cd) | 0.01 mg/l | nm | <0.001 mg/l | <0.1 mg/l |
| 4 Chromium (Cr) | 0.05 mg/l | nm | <0.001 mg/l | <0.1 mg/l |
| 5 Cyanide (CN) | 0.2 mg/l | nm | <0.01 mg/l | nm |
| 6 Fluoride (F) | 1.6 mg/l | 1.05 mg/l | 1.04 mg/l | 0.98 mg/l |
| 7 Lead (Pb) | 0.05 mg/l | nm | <0.005 mg/l | <0.1 mg/l |
| 8 Total Mercury (Hg) | 0.002 mg/l | nm | <0.0002 mg/l | nm |
| 9 Nitrate (NO3 as N) | 10 mg/l | nm | 1.19 mg/l | nm |
| 10 Selenium (Se) | 0.05 mg/l | nm | <0.01 mg/l | <0.1 mg/l |
| 11 Silver (Ag) | 0.05 mg/l | nm | <0.005 mg/l | <0.1 mg/l |
| 12 Uranium (U) | 0.03 mg/l | nm | nm | nm |
| 13 Radioactivity: Radium (Ra 226-228) | 30 pCi/l | nm | nm | nm |
| 14 Benzene | 0.01 mg/l | nm | <0.001 mg/l | nm |
| 15 Polychlorinated biphenyls (PCB's) | 0.001 mg/l | nm | nm | nm |
| 16 Toluene | 0.75 mg/l | nm | <0.001 mg/l | nm |
| 17 Carbon Tetrachloride | 0.01 mg/l | nm | <0.001 mg/l | nm |
| 18 1,2-dichloroethane (EDC) | 0.01 mg/l | nm | <0.001 mg/l | nm |
| 19 1,1-dichloroethylene (1,1-DCE) | 0.005 mg/l | nm | <0.001 mg/l | nm |
| 20 1,1,2,2-tetrachloroethylene (PCE) | 0.02 mg/l | nm | <0.001 mg/l | nm |
| 21 1,1,2-trichloroethylene (TCE) | 0.1 mg/l | nm | <0.001 mg/l | nm |
| 22 ethylbenze | 0.75 mg/l | nm | <0.001 mg/l | nm |
| 23 total xylenes | 0.62 mg/l | nm | <0.001 mg/l | nm |
| 24 methylene chloride | 0.1 mg/l | nm | <0.005 mg/l | nm |
| 25 chloroform | 0.1 mg/l | nm | <0.001 mg/l | nm |
| 26 1,1-dichloroethane | 0.025 mg/l | nm | <0.001 mg/l | nm |
| 27 ethlene dibromide (EDB) | 0.0001 mg/l | nm | <0.001 mg/l | nm |
| 28 1,1,1-trichloroethane | 0.06 mg/l | nm | <0.001 mg/l | nm |
| 29 1,1,2-trichloroethane | 0.01 mg/l | nm | <0.001 mg/l | nm |
| 30 1,1,2,2-tetrachloroethane | 0.01 mg/l | nm | <0.001 mg/l | nm |
| 31 vinyl chloride | 0.001 mg/l | nm | <0.001 mg/l | nm |
| 32 PAH's: total naphthalene + monomethyl | 0.03 mg/l | nm | <0.005 mg/l | nm |
| 33 benzo-a-pyrene | 0.0007 mg/l | nm | nm | nm |
| B | | | | |
| 1 Chloride (Cl) | 250 mg/l | 33.7 mg/l | 20.4 mg/l | 18.6 mg/l |
| 2 Copper (Cu) | 1 mg/l | nm | 0.015 mg/l | <0.1 mg/l |
| 3 Iron (Fe) | 1 mg/l | nm | 0.013 mg/l | <0.1 mg/l |
| 4 Manganese (Mn) | 0.2 mg/l | nm | <0.0025 mg/l | <0.05 mg/l |
| 5 Phenols | 0.005 mg/l | nm | nm | nm |

TABLE 1
Summary of Laboratory Analytical Results for the Section 12 Fresh Water Well

| | | | | |
|--------------------------------|-----------|----------|-------------|-----------|
| 6 Sulfate (SO ₄) | 600 mg/l | 122 mg/l | 94.8 mg/l | 80.5 mg/l |
| 7 Total Dissolved Solids (TDS) | 1000 mg/l | 410 mg/l | 358 mg/l | 310 mg/l |
| 8 Zinc (Zn) | 10 mg/l | nm | 0.049 mg/l | <0.1 mg/l |
| 9 pH | 6-9 | 7.8 | 7.48 | nm |
| C | | | | |
| 1 Aluminum (Al) | 5 mg/l | nm | <0.05 mg/l | <0.1 mg/l |
| 2 Boron (B) | 0.75 mg/l | nm | 0.059 mg/l | <0.1 mg/l |
| 3 Cobalt (Co) | 0.05 mg/l | nm | nm | <0.1 mg/l |
| 4 Molybdenum (Mo) | 1 mg/l | nm | <0.01 mg/l | <0.1 mg/l |
| 5 Nickel (Ni) | 0.2 mg/l | nm | <0.005 mg/l | <0.1 mg/l |

Notes:

nm = Not Measured

< 0.nn = not detectable above the detection limit "0.nn mg/l"

Presto Dyechem Co
60 North Front St
Philadelphia, PA 19106
215-627-1864

Material Safety Data Sheet July 15, 2011

SECTION I - Material Identity

Item Name..... Fluorescent Red Dye
Part Number/Trade Name..... Acid red 52
Chemical Formula..... C27 H30 N2 O7 S2.Na
CAGE Code..... 25521
Part Number Indicator..... A
MSDS Number..... 189644
HAZ Code..... B

SECTION II - Manufacturer's Information

Manufacturer Name..... Presto Dyechem Co
Street..... 60 North Front St
City..... Philadelphia
State..... PA
Country..... US
Zip Code..... 19106
Emergency Phone..... 215-627-1864
Information Phone..... 215-627-1864

MSDS Preparer's Information

Date MSDS Prepared/Revised..... 01/01/2006
Active Indicator..... Y

SECTION III - Physical/Chemical Characteristics

Appearance/Odor..... Red POWDER
Boiling Point..... NA
Melting Point..... NA
Vapor Pressure..... NA
Vapor Density..... NA
Specific Gravity..... 1
Solubility in Water..... COMPLETE
Container Type..... R
Container Pressure Code..... 1
Temperature Code..... 4
Product State Code..... S

SECTION IV - Fire and Explosion Hazard Data

| | |
|---------------------------------------|--------------------------|
| Flash Point Method..... | NA |
| Lower Explosion Limit..... | NA |
| Upper Explosion Limit..... | NA |
| Extinguishing Media..... | WATER, DRY CHEMICAL, CO2 |
| Special Fire Fighting Procedures..... | WEAR SCBA |
| Unusual Fire/Explosion Hazards..... | NONE |

SECTION V - Reactivity Data

| | |
|---|--|
| Stability..... | YES |
| Stability Conditions to Avoid..... | WILL PRECIPITATE WITH ACIDS |
| Materials to Avoid..... | OXIDIZING AGENTS |
| Hazardous Decomposition Products..... | BURNING WILL PRODUCE OXIDES OF CARBON AND NITROGEN |
| Hazardous Polymerization..... | NO |
| Polymerization Conditions to Avoid..... | WILL NOT OCCUR |

SECTION VI - Health Hazard Data

| | |
|--|---|
| Route of Entry: Skin..... | YES |
| Route of Entry: Ingestion..... | YES |
| Route of Entry: Inhalation..... | YES |
| Health Hazards - Acute and Chronic..... | NONE DOCUMENTED |
| Carcinogeny: NTP..... | NO |
| Carcinogeny: IARC..... | NO |
| Carcinogeny: OSHA..... | NO |
| Explanation of Carcinogeny | NONE |
| Symptoms of Overexposure..... | NOT KNOWN |
| Medical Cond. Aggravated by Exposure.... | NONE KNOWN |
| Emergency/First Aid Procedures..... | [EYES] FLUSH WITH WATER [SKIN] WASH WITH SOAP AND WATER [INHAL] MOVE TO FRESH AIR. [INGEST] DILUTE WITH WATER, INDUCE VOMITING. |

SECTION VII - Precautions for Safe Handling and Use

| | |
|---|--|
| Steps if Material Released/Spilled..... | WEAR APPROPRIATE SAFETY EQUIPMENT. CONTAIN AND CLEAN UP SPILL. CONTAIN LIQUIDS USING ABSORBANTS, SWEEP POWDERS CAREFULLY MINIMIZING DUSTING. SHOVEL ALL SPILL MATERIAL INTO DISPOSAL DRUM. |
| Neutralizing Agent..... | NR |
| Waste Disposal Method..... | BURY OR INCINERATE ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS. CONTAINERS SHOULD BE TRIPLE RINSED ACCORDING TO FEDERAL REGULATIONS. |
| Handling and Storage Precautions..... | HANDLE THIS PRODUCT WITH CARE |

Other Precautions..... AND AVOID PERSONAL CONTACT.
NR

SECTION VIII - Control Measures

Respiratory Protection..... NIOSH APPROVED RESPIRATOR MOLDEX
2200
Ventilation..... LOCAL EXHAUST
Protective Gloves..... RUBBER
Eye Protection..... SAFETY GLASSES WITH SIDE SHIELDS
Other Protective Equipment..... WEAR APRON/COVERALLS TO MINIMIZE
SKIN CONTACT
Work Hygenic Practices..... WASH THOROUGHLY AFTER HANDLING

SECTION IX - Label Data

Protect Eye..... YES
Protect Skin..... YES
Protect Respiratory..... YES
Chronic Indicator..... NO
Contact Code..... SLIGHT
Fire Code..... 1
Health Code..... 0
React Code..... 0
Specific Hazard and Precaution..... NO TARGET ORGANS LISTED FOR
CHRONIC EXPOSURES

SECTION X - Transportation Data

Container Quantity..... 1
Unit of Measure..... GM

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)..... 0
Volatile Organic Compounds (G/L)..... 0

SECTION XII - Ingredients/Identity Information

Color Index #..... 45100
Ingredient Name..... Xanthene
CAS Number..... 3520-42-1
Proprietary..... NO
Percent..... 0
OSHA PEL..... NE
ACGIH TLV..... NE

To the best of our knowledge, the information contained herein is accurate. However, Presto Dyechem Co does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the

sole responsibility of the user. All materials that may present unknown health hazards are described herein. We cannot guarantee that these are the only hazards that exist.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

Form G-101
Adopted 10-1-74
Revised 10-1-78

RECEIVED

OCT 21 1993

APPLICATION FOR PERMIT TO DRILL, DEEPEN,
OR PLUG BACK---GEOTHERMAL RESOURCES WELL

| | |
|------------------------|--|
| NO. OF COPIES RECEIVED | |
| DISTRIBUTION | |
| File | |
| N.M.B.M. | |
| U.S.G.S. | |
| Operator | |
| Land Office | |

5. Indicate Type of Lease
STATE FEE
5.a State Lease No.
GTR 303

1a. Type of Work Drill Deepen Plug Back
b. Type of Well Geothermal Producer Temp Observation
Low-Temp Thermal Injection/Disposal

7. Unit Agreement Name

8. Farm or Lease Name

9. Well No.
one

2. Name of Operator
Rosette Inc

3. Address of Operator
PO Box 265A Animas, NM 88020

4. Location of Well UNIT LETTER **P** LOCATED **1050** FEET FROM THE **East** LINE
AND **50** FEET FROM THE **S₄** LINE OF SEC. **6** TWP. **25S** RGE. **19W** NMPM

10. Field and Pool, or Wildcat
Lightning Rod

12. County
Hidalgo

19. Proposed Depth **500**
19A. Formation
20. Rotary or C.T. **Rotary**
21. Elevations (Show whether DF, RT, etc.) **4250**
21A. Kind & Status Plug. Bond **Cash 2,000**
21B. Drilling Contractor **Self**
22. Approx. Date Work will start **10/20/93**

#5622
PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|------------|
| 9 1/8 | 8 5/8 | 32 | 150 | 50 | Cur |

Hotwater could be encountered at 100' if so. Pipe will be set there

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new production zone. Give blowout preventer program, if any.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.
Signed **Dale Bergquist** Title **CEO** Date **10/16/93**

(This space for State Use)
APPROVED BY **R. Johnson** TITLE **DISTRICT SUPERVISOR** DATE **10/28/93**
CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT 1993

All distances must be from the outer boundaries of the Section.

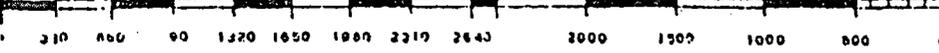
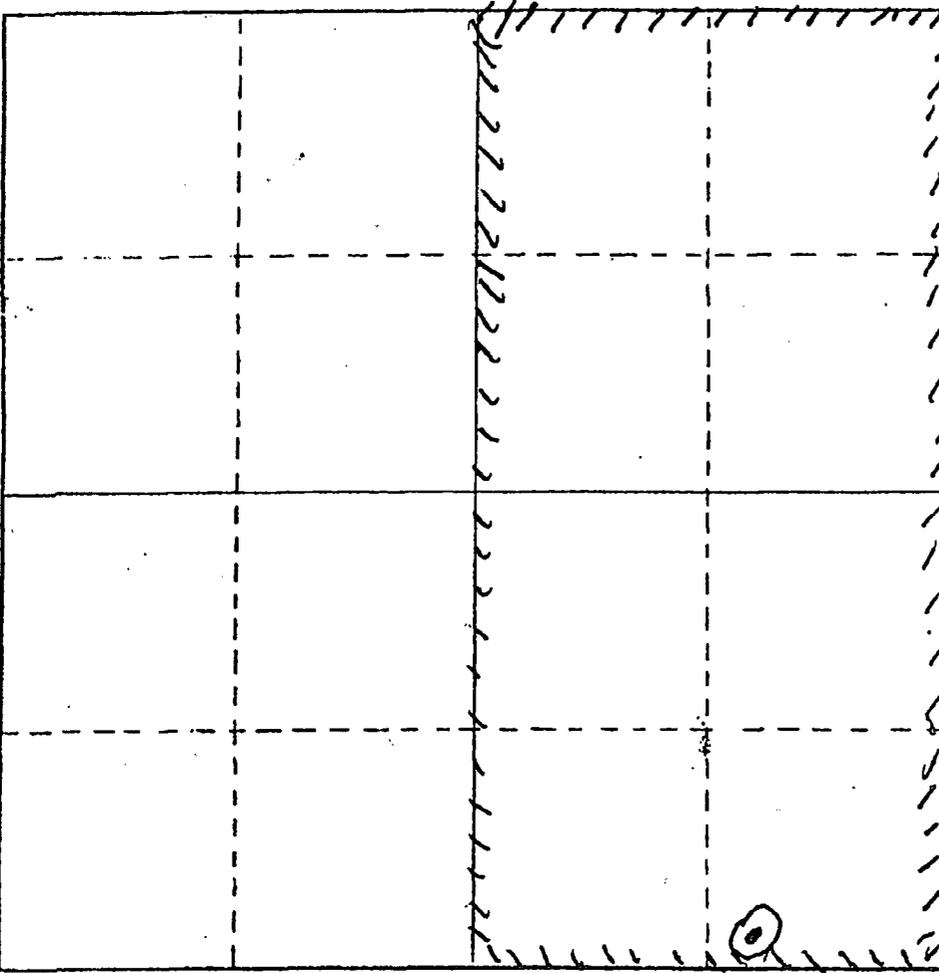
| | | | | | |
|--|---|-------------------------------|---------------------|---|----------------------|
| Operator <i>Rosette Inc</i> | | Lease <i>Rosette State</i> | | | Well No. <i>1</i> |
| Unit Letter <i>P</i> | Section <i>6</i> | Township <i>25.50</i> | Range <i>19E</i> | County <i>Hidalgo</i> | |
| Actual Footage Location of Well: <i>1050</i> feet from the <i>E.</i> line and <i>50</i> feet from the <i>South</i> line | | | | | |
| Ground Level Elev. <i>4250</i> | Producing Formation <i>Valley Fall</i> | Pool <i>Lightning Rock</i> | | Dedicated Acreage: <i>313.59</i> Acres | |

- Outline the acreage dedicated to the subject well by colored pencil or machine marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

Dale Burgett
Name

Position
CEO

Company
Rosette Inc

Date
10/16/93

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer and/or Land Surveyor

Certificate No. _____

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| N.M.B.M. | | |
| U.S.G.S. | | |
| Operator | | |
| Land Office | | |

APPLICATION FOR PERMIT TO DRILL, DEEPEN,
OR PLUG BACK--GEOTHERMAL RESOURCES WELL

5. Indicate Type of Lease
STATE FEE

5.a State Lease No.
GTR 303

1a. Type of Work Drill Deepen Plug Back
b. Type of Well Geothermal Producer Temp Observation
 Low-Temp Thermal Injection/Disposal

7. Unit Agreement Name

8. Farm or Lease Name
Rosette

2. Name of Operator
Rosette Inc.

9. Well No.
three

3. Address of Operator
P.O. Box 265 A Animas, New Mexico 88020

10. Field and Pool, or Wildcat
Lighting Dock

4. Location of Well UNIT LETTER 0 LOCATED 1520 FEET FROM THE East LINE

AND 100 FEET FROM THE South LINE OF SEC. 6 TWP. 25 S RGE. 19 W NMPM

12. County
Hidalgo

| | | | | | |
|--|---|----------------------------------|---------------------------|-------------------------------|------------------------------|
| 21. Elevations (Show whether DF, RT, etc.) 4250 | 21A. Kind & Status Plug. Bond <i>Blanket</i> #9360094 | 21B. Drilling Contractor Self | 19. Proposed Depth 500 | 19A. Formation Valley Fill | 20. Rotary or C.T. Rotary |
| 22. Approx. Date Work will start 10/20/93 | | | | | |

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 9 7/8 | 8 5/8 | 32 | 200 | 50 | cir |
| | | | | | |
| | | | | | |

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new production zone. Give blowout preventer program, if any.

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

Signed *Paul Burgett* Title CEO Date 11/9/93

(This space for State Use)
APPROVED BY *R. E. Johnson* TITLE DISTRICT SUPERVISOR DATE 11/24/93

CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

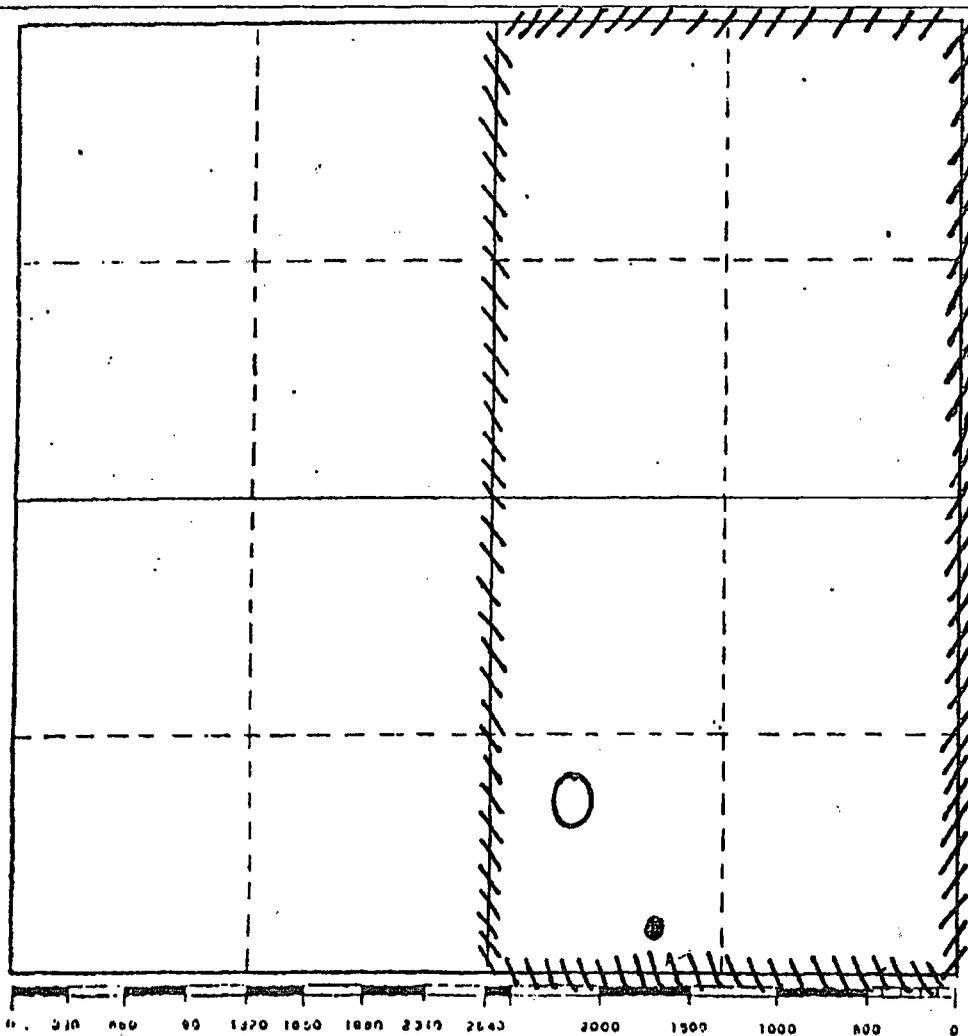
| | | | | | |
|---|---|-------------------------------|------------------------------|--------------------------|---|
| Operator Rosette Inc. | | Lease Rosette State | | | Well No. 3 |
| Unit Letter 0 | Section 6 | Township 25 S | Range 19 E | County Hidalgo | |
| Actual Footage Location of Well: 1520 feet from the East line and 100 feet from the South line | | | | | |
| Ground Level Elev. 4250 | Producing Formation Valley Fill | | Pool Lighting Dock | | Dedicated Acreage: 313.59 Acres |

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

[Signature]
Name
CEO

Position
CEO

Company
Rosette Inc.

Date
Nov 9, 1993

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____

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| U.S.G.S. | |
| Operator | |
| Land Office | |

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG-BACK GEOTHERMAL RESOURCES WELL

5. Indicate Type of Lease
LEASE FEE

5.3 State Lease No.
GTR 303

a. Type of Work Drill Deepen Plug Back
b. Type of Well Geothermal Producer Temp Observation
Low-Temp Thermal Injection/Disposal

7. Unit Agreement Name

8. Farm or Lease Name
Rosette

2. Name of Operator
Rosette Inc.

9. Well No.
4

3. Address of Operator
P.O. BOX 265 A, Animas, N.M. 88020

10. Field and Pool, or Wildcat
Lighting Dock

4. Location of Well UNIT LETTER P LOCATED 800 FEET FROM THE East LINE
SOUTH
AND 50 FEET FROM THE North LINE OF SEC. 6 TWP. 25 S RGE. 19 W NMPM

12. County
Hidalgo

19. Proposed Depth 500 19A. Formation 20. Rotary or C.T.
Rotary
21. Elevations (Show whether DF, RT, etc.) 4250 21A. Kind & Status Plug Bond Blanket Bond 21B. Drilling Contractor Self 22. Approx. Date Work will start 10/20/93

PROPOSED CASING AND CEMENT PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
|--------------|----------------|-----------------|---------------|-----------------|----------|
| 9 7/8 | 8 5/8 | 32 | 200 | 50 | cir |
| | | | | | |
| | | | | | |

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new production zone. Give blowout preventer program, if any.

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

Signed Dale Burnett Title CEO Date 11/22/93

(This space for State Use)

APPROVED BY [Signature] TITLE DISTRICT SUPERVISOR DATE 12/1/93
CONDITIONS OF APPROVAL, IF ANY:

GEOTHERMAL RESOURCES WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section.

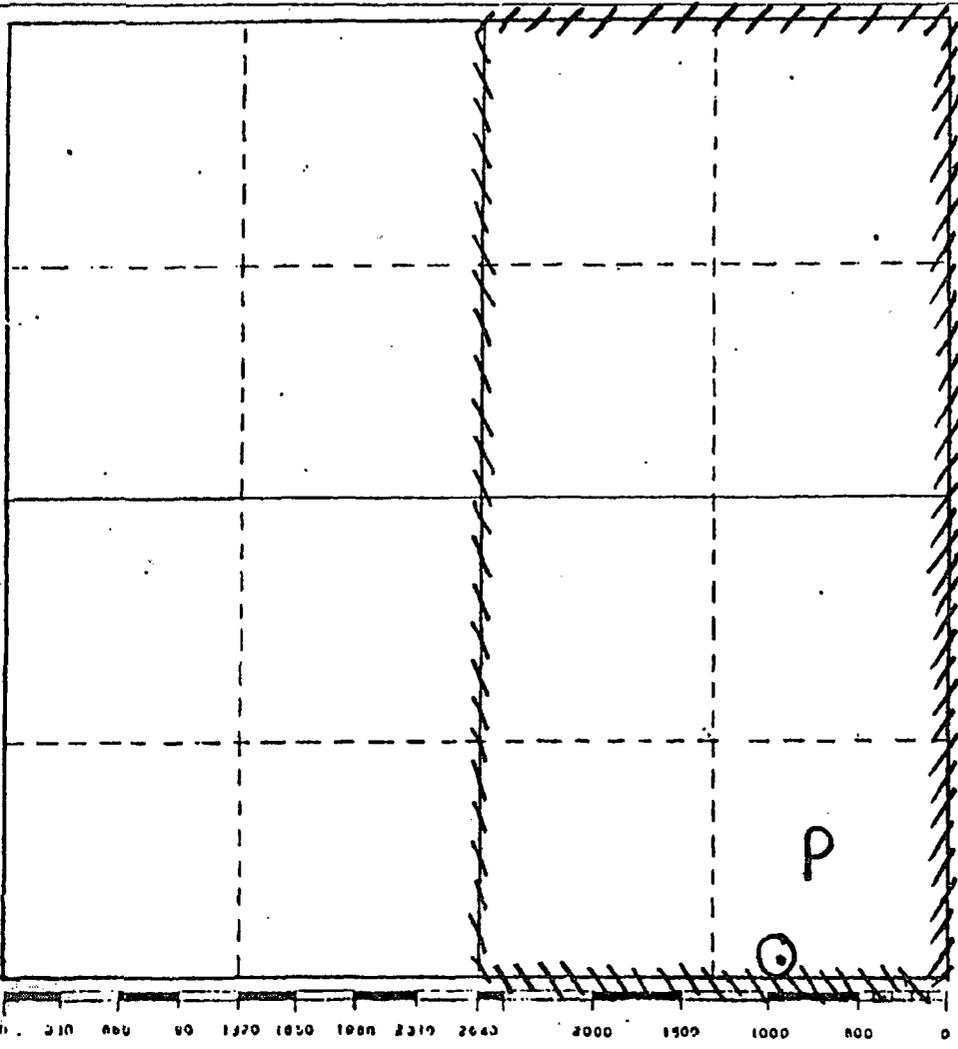
| | | | | | |
|---|---|-------------------------------|---|--------------------------|----------------------|
| Operator Rosette Inc. | | Lease Rosette State | | | Well No. 4 |
| Unit Letter P | Section 6 | Township 25 S | Range 19 W | County Hidalgo | |
| Actual Footage Location of Well: 800 feet from the East line and 50 feet from the North line | | | | | |
| Ground Level Elev. 4250 | Producing Formation Valley Fill | Pool Lighting Dock | Dedicated Acreage: 313.59 Acres | | |

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CERTIFICATION

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Dal Burget
Name

Position
CEO

Company
Rosette Inc.

Date
Nov 22/1973

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer and/or Land Surveyor

Certificate No.