

Submit to Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

State of New Mexico  
Geology, Minerals and Natural Resources Department

Form C-102  
Revised 1-1-89

OIL CONSERVATION DIVISION

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

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

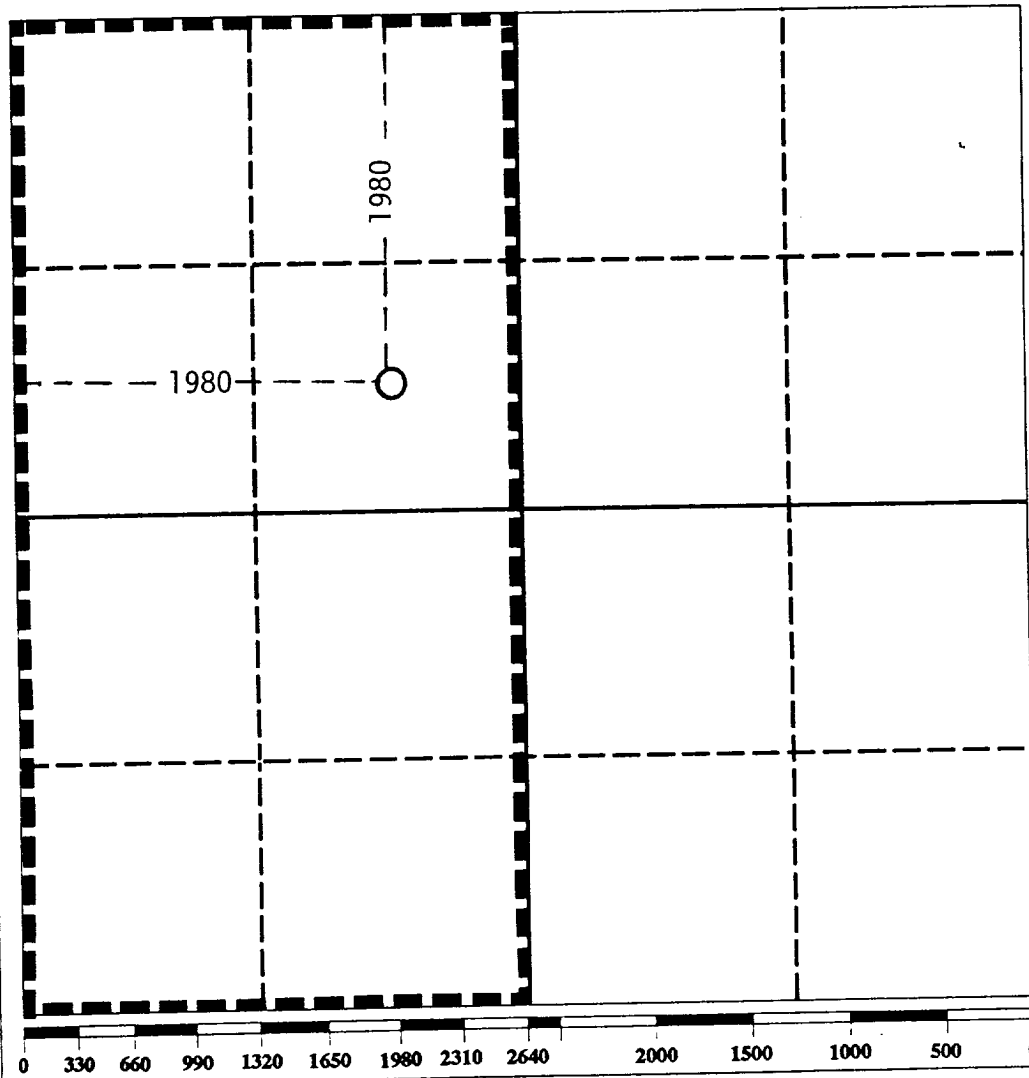
DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT  
All Distances must be from the outer boundaries of the section

|  |                               |                 |                                     |                |                                 |
|--|-------------------------------|-----------------|-------------------------------------|----------------|---------------------------------|
| Operator<br>Oryx Energy Company  |                               |                 | Lease<br>Scoggins Draw Federal Com. |                | Well No.<br>1                   |
| Unit Letter<br>F   | Section<br>22                 | Township<br>18S | Range<br>27E                        | County<br>Eddy |                                 |
| Actual Footage Location of Well:<br>1980 feet from the North line and 1980 feet from the West line |                               |                 |                                     |                |                                 |
| Ground level Elev.<br>3416.6   | Producing Formation<br>Strawn |                 | Pool<br>Undesignated Field          |                | Dedicated Acreage:<br>320 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature  
*Alva Franco*  
Printed Name  
Alva Franco  
Position  
Proration Analyst  
Company  
Oryx Energy Company  
Date  
6-5-91

SURVEYOR CERTIFICATION

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  
Signature & Seal of Professional Surveyor  
Certificate No.

23. Proposed Casing & Cementing Program - Cont.

2. RU VANN SYSTEMS. RU CAMPBELL TESTING CO. RIH W/ TBG CONVEYED  
PERF ASSBY AS FOLLOWS:

- A. 3-3/8" HSC, LOADED W/ 6 JSPF, 84 SHOTS, 26 GC, 60 DEGREE PHASING.
- B. 3-3/8" DIFFERENTIAL FIRING HEAD SET TO SHEAR @ 4600 PSI.
- C. 2-3/8" BAR PRESSURE VENT
- D. 1 JT 2-3/8", 4.7#, N-80 TBG
- E. 1.87" R NO-GO PROFILE NIPPLE
- F. 1 JT 2-3/8", 4.7#, N-80 TBG
- G. 5-1/2", 17# GUIBERSON 10K UNI VI PKR
- H. 2-3/8" GUIBERSON 10K XL ON-OFF TOOL W/ 1.87" F PROFILE
- I. 2-7/8" X 2-3/8" CROSSOVER
- J. 6400' 2-7/8", 6.5#, C-75 TBG, RUN DRY
- K. LOAD TBG W/ 300 GAL NE 13.5/1.5 ACETIC/HF ACID, FOLLOWED BY 30 BBLs 2% NE KCL WTR TO SURFACE (THIS WTR SHOULD NOT CONTAIN TRETOLITE KW-79).
- L. +- 2500' 2-7/8" 6.5#, C-75 TBG TO SURFACE, RUN DRY

TEST TBG ABOVE SLIPS TO 7000 PSI W/ N2 WHILE RIH.

3. PRES UP ON CSG TO 2500 PSI. RU ATLAS WL. RUN GR LOG AS NECESSARY FOR DEPTH CONTROL. SPACE OUT & SET PKR W/ 20 PTS COMP ON DEPTH TO PERF STRAWN SAND 8996-9010' BY GEARHART GR/CCL DATED 7-21-87 (CORRELATES TO 8998-9012' BY SCHLUMBERGER GR/CNL/FDC DATED 7-8-87), WHILE TRAPPING 2500 PSI BELOW PKR.

4. SWB FL TO 7700'. ND BOP. NU WH. RU TREE SAVERS INC. NU 10000 PSI WELLHEAD ISOLATION TOOL. NU POPOFF VALVE ON ANNULUS SET @ 4000 PSI. PREPARE SURFACE LINES FOR IMMEDIATE FLOWBACK. RU DS. PRES UP ANNULUS TO 3500 PSI. PERFORATE AND FRAC STRAWN SAND 8998-9012' AS FOLLOWS:

- A. BEGIN PUMPING N2 DOWN TBG AT 15 MSCF/MIN TO FIRE GUNS AND OPEN VENT (EXPECTED PRES WHEN GUNS FIRE = 9000 PSI, EXPECTED N2 VOLUME PUMPED WHEN GUNS FIRE = 100 MSCF). MP 10000 PSI. DO NOT SLOW RATE DOWN WHILE GUNS FIRE UNLESS MAX PRES IS ALMOST REACHED.
- B. AFTER GUNS FIRE, PUMP AN ADDITIONAL 200 MSCF N2 AT 15 MSCF/MIN.
- C. CONTINUE PUMPING N2 @ 15 MSCF/MIN WHILE ALSO PUMPING 1000 GAL GELLED 2% NE KCL WTR CARRYING 2 PPG 20/40 CARBOLITE @ 1 BPM.
- D. FLUSH W/ 88 MSCF N2 @ 15 MSCF/MIN.

5. FLOW WELL TO TANK IMMEDIATELY AT MAX RATE. AFTER WELL BEGINS PRODUCING PRIMARILY FORMATION GAS, CHOKE WELL BACK AS NECESSARY TO MAINTAIN STABLE TBG PRESSURE. WHEN WELL CLEANS UP, ND WELLHEAD ISOLATION TOOL & TURN TO BATTERY TO OBTAIN TEST RATE. RR.
6. RUN BUILDUP & 4 POINT POTENTIAL TESTS & OBTAIN GAS SAMPLE AS DIRECTED BY ENGINEERING.

FLUID DETAILS FOR 300 GAL ACID

255 GAL FRESH WATER  
45 GAL L401  
60 LBS (200 PPT) Y1  
1 GPT A200.2  
4 GPT W35

ACETIC ACID  
AMMONIUM BIFLOURIDE  
CORROSION INHIBITOR  
ANIONIC NON-EMULSIFIER

FLUID ADDITIVES TO 30 BBLS 2% KCL WATER TO LOAD TBG

4 GPT W35

ANIONIC NON-EMULSIFIER

FLUID ADDITIVES TO 1000 GAL 2% KCL WATER FRAC FLUID

4 GPT W35  
20 PPT J424

ANIONIC NON-EMULSIFIER  
REFINED GUAR GELLING AGENT

NOTE: AS OF PRESS TIME, VANN WAS WORKING ON MODIFYING THE DIFFERENTIAL FIRING HEAD TO BE ABLE TO WORK AT HIGHER DIFFERENTIAL PRESSURES. IF THEY ARE ABLE TO DO THIS, MAKE THE FOLLOWING CHANGES TO THE INDICATED STEPS OF THE PROCEDURE:

- 2B. SET THE FIRING HEAD TO SHEAR AT 7100 PSI (INSTEAD OF 4600).
- 2I. LOAD TBG ONLY W/ 300 GAL ACID. DO NOT LOAD 2% KCL WTR INTO TBG. (THIS STEP CAN BE DONE AFTER STEP 3).
3. DO NOT PRESSURE UP ON CSG TO TRAP 2500 PSI BELOW PKR.
4. NO NEED TO SWB, JUST TAG FL W/ SAND LINE TO VERIFY THAT IT IS @ 7700'.