District I
PO Box 1980. Hobbs. N.M. 88241-1980
District II
P.O. Drawer DD, Artesia, N.M. 88211-0719
District III
1000 Rio Brazos Rd., Aztec, N.M. 87410
District IV
P.O. Box 2088, Santa Fe, N.M. 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-1016

Revised February 10, 1994

Instructions on back
Submit to Appropriate District Office

State Lease - 6 Copies
Fee lease - 5 Copies

7304-2088 Fee lease - 5 Copie

AMENDED REPORT

| ATTLICA | TION | FURFE | | | | | IEK, DE | CPE. | N, PLUOB | AUK, | | DD A ZONE |
|---|---|------------------------|--------------|----------------|---|--------------------------------|----------------|--|------------------------------|-----------------------------|-----------------|---------------|
| 1 Operator Name and Addr | | | | | | ess | | 4 | (6) 1 m | | ² og | RID Number |
| Pogo Producing Compan | | | | | y | | - 3 | i li | Ta, | | 017891 | |
| P.O. Box 10340 | | | | | | | | 42. | | 1.83 | API Number | |
| Midland, Texas 79702 | | | | | 79702 | | 39.01S - 3 | | | - 30375 | | |
| 4 Property Code | | | | | 5 | Pro | perty Name | | 11 CH | £21µ | ST | 6 Well No. |
| 23 | 1.11 | | | | 1 | Har | roun "10" | | 0.23 | | ,\$\\ \\ \\ . | 1 |
| | 236/6 Harroun "10" 1 7 Surface Location | | | | | | | | | | | |
| UL or Lot No. | Section | Township Range Lot Idn | | Feet from t | he | North/South line | | Feet from the East/ | | West line County | | |
| N | 10 | 248 | 29E | | 660 | | South | | 2310 | v | West | · · |
| | N 10 24S 29E 660 South 2310 West Eddy 8. Proposed Bottom Hole Location If Different From Surface | | | | | | | | Ludy | | | |
| UL or Lot No. | | | | Lot ldn | | Feet from the North/South line | | | Feet from the East/West line | | County | |
| 02 01 201 1101 | Decion | Township | Range | Lot luii | Teet Hom to | 110 | 1401til/30util | inic | reet from the | East w | vest line | County |
| 96477 | L | 9 Propo | sed Pool 1 | | <u> </u> | | | | 10. Prop. | osed Poo | 12 | |
| 1611 |) Diaraa | - | | | ^ | | | | 10.110p | 0300 1 00 | 2 | |
| | 1 lette | Crossing | (Done 3 | oprings) | CRST | | | | | | | |
| 11. Work 7 | | 1 | 2. Well Type | Code | 13. Cable/Rotary | | | 14. Lease Type Cod | | ode 15. Ground Level Elevat | | |
| N. | | | O | R | | R | | | S | | 2944' | |
| li . | lultiple | | - | Proposed Depth | | | ormation | | 19. Contractor | | 20. Spud Date | |
| S | | | 7,000 | | Bone Spring | | orings | | N/A | | Upon Approval | |
| | | | 2 | 1. Propo | sed Casin | ıg a | nd Cemen | ıt Pro | gram | | | |
| Hole Si | ze | Casin | g Size | | ng weight/foot | Ť | Setting D | | | f Cement | | Estimated TOC |
| 14-3/4 | 14-3/4" 10-3/4" | | | 32.75# H-40 | | \dashv | 550' | | 500 sx | | Surface | |
| 9-7/8" 7-5/ | | /8" | 26.40# J-55 | | | 2950' | | 900 sx | | Surface | | |
| 6-3/4" 4-1/2" | | 11. | 11.60# J-55 | | 7000' | | 900 sx | | 2900' | | | |
| | | | | | | | | | | | | |
| 18 Hours Wocon 103/4 & 7 3/8" dasing | | | | | | | | | | | | |
| 22. Describe the proposed program. If this is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive | | | | | | | | | | | | |
| zone. Describe the blowout prevention program, if any. Use additional sheets if necessary. | | | | | | | | | | | | |
| | | This r | ronosed | l well is | a Bone S | nrii | nge Teet | | PASZ | t L | D-1 | • |
| | | | | | | Pili | igs Test. | | 8- | - 11- | -98 | |
| This proposed well is a Bone Springs Test. B.O.P. Sketch attached. Post ID-1 8-21-98 | | | | | | | | | | | | |
| API + Loc | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. OIL CONSERVATION DIVISION | | | | | | | ION | | | | | |
| Signature | | | | | | | | ······································ | | | | |
| Jun Mich Com | | | | | | l | | ORI | GINAL SIGN | ED BY | TIM Y | v. gum |
| Printed Name: James M.C. Ritchie, Jr. | | | | | | e: | V13 | TRICT II SU | PENVI | FOR | i | |
| Title: Agent | | | | | Approval Date: 8-18-98 Expiration Date: 8-18-99 | | | | | | | |
| Date: Phone: | | | | | Conditions of Approval: | | | | | | | |
| 07/26/98 (915) 682-660 | | | | 2-6601 | 1 | ached: | | | | | | |

DISTRICT I P.O. Box 1960, Hobbs, NM 88241-1960

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Courses

Cempino Co. No. BONA DE EIDSON

OF OFFICE AND MEDONALD

3239 12641 12185

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT IV

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

P.O. BOX 2088, SANTA PE, N.M. 67504-2088

OIL CONSERVATION DIVISION

P.O. Box 2088

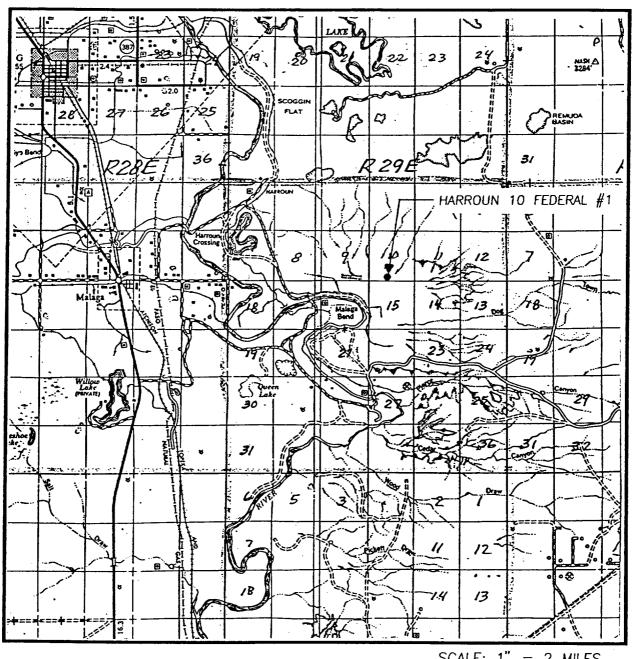
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| API | | Pool Coo | de | P | IERCE CROS | Pool Name | JE SPHAGG | ,) | | |
|-----------------|-----------|----------------|-----------------------|----------------|-----------------------|---------------------------------------|-----------------------------|--|---|-------------|
| Property | | F | Well Number | | | | | | | |
| OGRID No. | | | | - *-/ | Oper | | Elevatio | םכ | | |
| 0118 | 9/ | | | POG | O PRODI | JCING | COMPANY | | 294 | 4 |
| | | | | | Surfa | ce Loc | ation | | | |
| UL or lot No. | Section | Township | Range | Lot Id | n Feet fr | om the | North/South line | Feet from the | East/West line | County |
| N | 10 | 24 S | 29 E | 660 | | | SOUTH | 2310 | WEST | EDDY |
| | | | Bottom | Hole | Location | f Diffe | erent From Sur | face | | |
| UL or lot No. | Section | Township | Range | Lot Id: | n Feet fre | om the | North/South line | Feet from the | East/West line | County |
| | | <u> </u> | | | | | | | | |
| Dedicated Acres | s Joint o | r Infill Co | onsolidation (| Code | Order No. | | | | | |
| | | | | | | · · · · · · · · · · · · · · · · · · · | | | | |
| NO ALLO | WABLE W | VILL BE A OR A | SSIGNED ' NON-STAN | TO THI DARD | IS COMPLE UNIT HAS | TION (BEEN | INTIL ALL INTER APPROVED BY | RESTS HAVE BIFFER BITTER BITTE | EEN CONSOLIDA | ATED |
| | | | | Ī | | | | 7 | | |
| | | | | | | | | OPERATO | OR CERTIFICAT | TION |
| | | | | | | | | | y certify the the inj | |
| | 1 | | | | | 1 | | | n is true and compl wledge and belief. | ste to the |
| | | | | | | | | | | |
| | I | | | | | | | | 1 , 0, | 1.6 |
| | | | | | | | | 1 Jun | M.C. Tut | 41 |
| | - † | | | | | \neg | | - Samuel | hr.c.Ritch M.c.Ritch | 10 . 10 |
| | | | | | | | | Printed Nam | e | 14 1JK |
| | l | | | | | 1 | | A6 FWT | - | |
| | | | | | | | | Title | | |
| | | | | | | 1-2 | 6-98 | | | |
| | | | | | | | | Date | | |
| | <u> </u> | · | | | | <u> </u> | | SURVEYO | R CERTIFICAT | ION |
| | 1 | | | , | | | | | that the well locati | |
| | | 2938.2' — | 2942.0' | | | | | | as plotted from field made by me or | |
| | . [| | | | | supervison an | d that the same is | true and | | |
| | | L — | 2939.9' | | | | | correct to th | e best of my belief | : |
| | | DETA | 1 | | | | | ll ju | LY 23, 1998 | |
| | | | ··· | | | ! | | Date Surveye | Zantinia. | DMCC |
| | - + | | | | | | | Signature & | Seat OC | |
| | | | | | | | | Lioicegional | METO ON THE | |
| | | | SEE DETAIL | | | 1 | | 11 11 20 | 7/20 | |
| | 2310'- | | <u> </u> | | | | | Esona/2 | 29) Euler | , 72498 |
| l - | -2310 - | | - | | | - 1 | | 11 %6: 50 | 1/1/1 1000 | , — |

VICINITY MAP

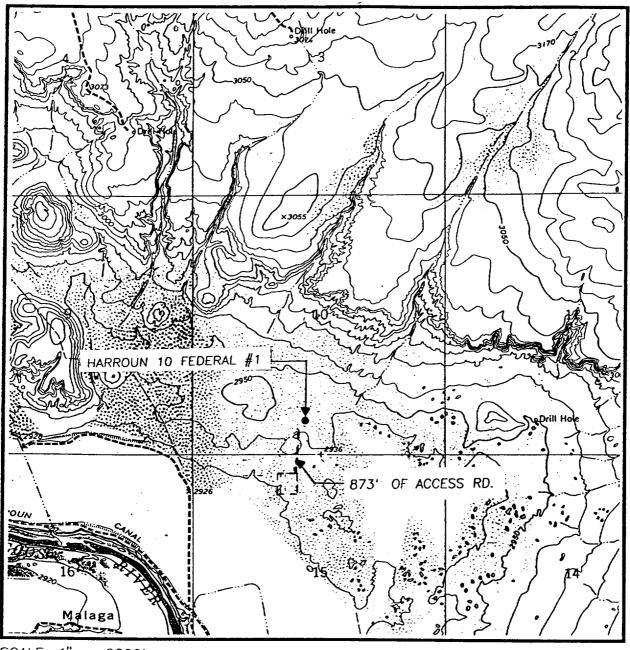


| = | 2 | MILES |
|---|---|-------|
| | = | = 2 |

| SEC | TWP. <u>24-S</u> RGE. <u>29-E</u> | _ |
|------------|-----------------------------------|--------------|
| SURVEY | N.M.P.M. | |
| COUNTY | EDDY | |
| DESCRIPTIO | N_660' FSL & 2310' FV | <u>VL</u> |
| ELEVATION_ | 2944 | |
| OPERATOR_ | POGO PRODUCING COMP | <u>'AN</u> ' |
| LEASE | HARROUN 10 FEDERAL | |

JOHN WEST ENGINEERING HOBBS, NEW MEXICO (505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1'' = 2000'

CONTOUR INTERVAL: PIERCE CANYON - 10'

SEC. 10 TWP. 24-S RGE. 29-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 660' FSL & 2310' FWL

ELEVATION 2944

OPERATOR POGO PRODUCING COMPANY

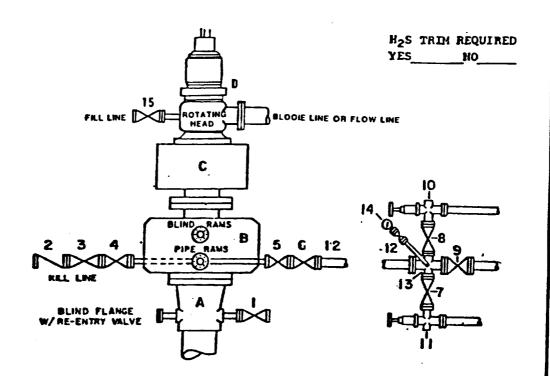
LEASE HARROUN 10 FEDERAL

U.S.G.S. TOPOGRAPHIC MAP

PIERCE CANYON, N.M.

JOHN WEST ENGINEERING HOBBS, NEW MEXICO (505) 393-3117

DRILLING CONTROL CONDITION III-B 3000 PSI WP



DRILLING CONTROL

MATERIAL LIST - CONDITION III - B

| A | Wellhead |
|----------|--|
| B | 3000§ W.P. Dual ram type preventer, hydraulic operated with 1" steel, 3000§ W.P. control lines (where substructure height is adequate, 2 - 3000§ W.P. single ram preventers may be utilized with 3000§ W.P. drilling spool with 2" minimum flanged outlet for kill line and 3" minimum flanged outlet for choke line. The drilling spool is to be installed below the single ram type preventers). |
| . | 3000; W.P. Annular Preventer with 1" steel, 3000; W.P. control lines. |
| D | Rotating Need with fill up outlet and extended Blooie line. |
| 1,3,4, | 2" minimum 1000f W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. |
| 2 | 2" minimum 30005 W.P. back pressure walve. |
| 5,6,9 | 3" minimum 3000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. |
| 12 | 3" minimum Schedule 80, Grade B, seamless line pipe. |
| 13 | 2" minimum x 3" minimum 3000\$ W.P. flanged cross. |
| 10,11 | 2" minimum 3000f W.P. adjustable choke bodies. |
| 14 | Cameron Mud Gauge or equivalent (location optional in Choke line). |
| 15 | 2" minimum 30008 W.P. flanged or threaded full opening steel gate valve, or Malliburton Lo Torc Plug valve. |

EXHIBIT E

SCALE

CHECKED BY

EST. NO
