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| | SANTA FE | | / | | | | | |
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| | U.S.G.S. | | | | AU | T٢ | | |
| | LAND OFFICE | | | | | | | |
| ļ | TRANSPORTER | OIL G A S | 1 | | | | | |
| | OPERATOR | | 9 | | | | | |
| 1. | PRORATION OFF | ICE · | | | | | | |
| | Operator | | | | | | | |
| | Pubco | Pet | rol | eum | Corpo | ra | | |
| | Address | | | _ | | | | |
| | | | | | Albuqu | er | | |
| | Reason(s) for filing (| | roper | box) | | | | |
| | New Well | X | | | Char | rge | | |
| | Recompletion | | | | Oil | | | |
| | Change in Ownership | | | | Casi | ngh | | |
| II. | If change of owners and address of previous DESCRIPTION Of Lease Name | ious ow | ner _ | | LEASE Lec | ise | | |
| | Jicarilla | | | Jic | arilla | Т | | |
| | Location | | | | 1, Tr. | | | |
| | i - | , | | | • | | | |
| | Unit Letter | <u> </u> | . i | TOD | 0Fee | et F | | |
| | Line of Section | 16 | | Tow | nship | 2 | | |
| III. | DESIGNATION O | FTRA | NSP | ORI | ER OF | <u>OI</u> | | |
| | Name of Authorized | , rampo | iter o | . 011 | | •• | | |
| | Name of Authorized | Transno | rter o | f Cas | None | ins. | | |
| | ļ | | | | | | | |
| | | | | Ga | s Comp | an S | | |
| | If well produces oil give location of tank | or liquid s. | ls, | |) I | ; ° | | |
| IV. | If this production is commingled with that from COMPLETION DATA | | | | | | | |
| | Designate Type of Completion - (X) | | | | | | | |
| | h | | | | Date Co | 1 | | |

(Tigle)

NEW MEXICO OIL CONSERVATION COMMISSION REQUEST FOR ALLOWABLE

Form C-104 Supersedes Old C-104 and C-110

Effective 1-1-65 PUBCO PETROLEUM CORP. AND PUBLU PEINUNCUM LUNT. CO. HORIZATION TO TRANSPORT OIL AND NATURAL GAS EFFECTIVE MAY 1, 1973 tion que, New Mexico 87103 Other (Please explain) Dry Gas Condensate ead Gas Kind of Lease Well No. Pool Name, Including Formation South Blanco Pictured Cliffsate, Federal or Fee ribal 1 Apache 62 1850___ rom The West Feet From The South __Line and ___ County Range 2W , NMPM, Rio Arriba L AND NATURAL GAS Address (Give address to which approved copy of this form is to be sent) Address (Give address to which approved copy of this form is to be sent) or Dry Gas X P. O. Box 1492, El Paso, Texas 79999 Is gas actually connected? No any other lease or pool, give commingling order number: Plug Back | Same Res'v. Diff. Res'v. New Well Gas Well Workover Oil Well X Total Depth Ready to Prod. 9/22/72 12/07/72 3246' 3182' Tubing Depth Top Oil/Gas Pay Name of Producing Formation Elevations (DF, RKB, RT, GR, etc.) 7322' GL 3038' Pictured Cliffs Depth Casing Shoe Perforations 3038-46, 3052-60, 3063-65 3212' TUBING, CASING, AND CEMENTING RECORD SACKS CEMENT DEPTH SET CASING & TUBING SIZE HOLE SIZE 142 8-5/8" 100 sxs. 12-1/4" 3-1/2" 3212' 515 sxs. 6-3/4" (Test must be after recovery of total volume of load oil and must be able for this depth or be for full 24 hours)

Producing Method (Flow, pump, gas lift, etg.) or exceed top allow-V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL Date First New Oil Run To Tanks Date of Test hoke Size Casing Pressure Tubing Pressure Length of Test JAN 31 137. Water - Bbls. Actual Prod. During Test Oil - Bbls. OIL CON. COM. DIST. 3 **GAS WELL** Gravity of Condensate Bbls. Condensate/MMCF Actual Prod. Test-MCF/D Length of Test 3 hrs. 1440 Choke Size Testing Method (pitot, back pr.) Tubing Pressure 3/4" Back Pressure OIL CONSERVATION COMMISSION VI. CERTIFICATE OF COMPLIANCE JAN 3 1 1973 APPROVED__ I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief. BY Original Signed by Emery C. Arnold SUPERVISOR DIST. #3 This form is to be filed in compliance with RULE 1104. If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111. (Signature) Charles W. Sanders Area Production Manager

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II. III, and VI for changes of owner, well name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each pool in multiply

MEW MEYICO OR CONSERVATION COMMISSION

| | | WELL | L DEL | _IVERABI | LITY TE | EST RI | EPORT FOR | ₹ 19_ | | | Form C122-A Revised 1-1-66 | |
|---|---|----------|------------------|--|--|---------------------------|---|-------------------------|--|-------------------|---|--|
| South Blanco | 1 - | .85 | E | PC PC | | | | Ri | o Arriba | | | |
| | | | | - | | T2.7 | AME AND NUMBER | | | | | |
| Man Dotmolos | .m. Co | | | | | 1 | arilla #1 | | | | | |
| Mesa Petroleum Co. | | | | | | HANGE PURCHASING PIPELINE | | | | | | |
| UNIT LETTER K | 16 | | | | 23N 2W | | W. | EL PASO NATURAL GAS CO. | | | | |
| | | | | SET AT DEPTH | | | 1 | | | - TUBING PERF FEE | | |
| CASING O.D INCHES | 2.992 | | E3 | 3212 | 1.66 | | 1.38 | | 3050 | | | |
| 3•5 | | 92 | | WELL PRODUCING THRU | | | GAS GRAVITY | | GRA | VITY X LENGTH | | |
| GAS PAY ZONE | | | | CASING X | TUBING | | 0.656 | | 2001 | | | |
| FROM 3038 | | OF FLOW | 7537 | | | | UT-IN PRESSURE | i | | | | |
| raom 19 JUN | DATE | TO | | 7 JUN | | | 5 JAN '7 | | | | | |
| (a) Flowing Casing Pressure (DWt) | (b) Flowing Tubing (c) F Pressure (DWt) | | Pres | 119 | Static Reading | | (Item c — Item d) | | (a - c) or (b - | · c) | Pressure (Integr | |
| (h) Corrected Meter Pressure (g + e) | | | | -in Casing sture (DWt) | (k) Shut-in Pressu | Tubing re (DWt) | oing (1) P _c = higher OWt) of (j) or (k) | | (m) Del. Pressur P _d = 80 511 | | (n) Separator or De- hydrator Pr. (DWt) for critical flow onl | |
| 119 | 119 | | 6 | 539 | 9 639 | | 639 | | 511 | | | |
| | | | | FLOW RAT | E CORREC | TION (M | ETER ERROR) | | | | | |
| Integrated Volume - MCF/D Quotient of | | ent of - | Item c Item d | | $\sqrt{\frac{\text{Item } c}{\text{Item } d}}$ | | - | Corrected Volume | | me MCF/I | | |
| F _c -3.0 | 9 5 7. | 73. | | WORKI | NG PRESSU | IRE CAL | CULATION | | | :- | | |
| (1-e-*) | (F _c Q _m) ² | (1000) | - | $\begin{pmatrix} R^2 \\ (1-e^{-8}) & (1-e^{-8}) \end{pmatrix}$ | = F _c Q _m) ² (100 | 0) | Pt2 | P | $P_{W}^{2} = P_{t}^{2} + R^{2}$ 4. 474 | | $P_{w} = \sqrt{P_{w}^{2}}$ | |

| F _c -3:095 (° / 3-7 | WORKING PRESSURE | CALCULATION | | |
|---|--|-----------------|---|---|
| $(1-e^{-2}) / (F_c Q_m)^2 (1000)$ $0.135 \qquad 372 \qquad Z \ge 2 /$ | $R^{2} = (1 - e^{-1}) (F_{c} Q_{m})^{2} (1000)$ $3 i > 50 \cdot 2$ | P, ² | Pw ² = Pt ² + R ² 14.474 | P _w = √P _w ² / ≥ Ø 119-2 |
| | | | | |

DELIVERABILITY CALCULATION . 3737

REMARKS:

SUMMARY

MCF/D

roleum Engineer Witnessed By

DEMONSTRE MENSORED

Сощряпу

Title

Witnessed By_

MCF/D

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Psia .

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