El Paso Matural Gas Company

El Paso. Texas Tours

February 14, 1974

Mr. Jerry Long U. S. Geological Survey Post Office Box 1809 Durango, Colorado 81301

Re:

Application for Permit to Drill

San Juan 27-5 Unit #182

NE/4 Section 23, T-27-N, R-5-W

Tapacito Pictured Cliffs

Dear Mr. Long:

Details regarding existing roads, pipelines, wells, etc. relative to the above well location are included on the previously submitted base maps, "Field Road Map" and "Composite Map No. 1".

The proposed new well location, new roads and new pipeline are shown on the attached plat along with connecting existing roads and pipelines in the vicinity of the proposed new well.

Water for drilling and completion operations will be obtained from the following location:

Cereza Creek

Waste material will be disposed of by burial in the burn pit, latrine, or reserve pit as applicable. There will be no camp nor air strip associated with drilling this well. Upon completion or abandonment of this well, the location will be cleaned and leveled and a dry hole marker placed, if applicable.

Yours very truly,

A. J. Sucus

D. G. Brisco

Drilling Clerk

pb

FEB 15 1974

SIZE OF HOLE

12 1/4"

6 3/4"

SUBMIT IN TRIPLICATE®

(Other instructions on

Form approved. Budget Burean No. 42-R1425.

UNITED STATES

| DEPARTMENT OF THE | · - | e alue) | 30-039- | 20815 |
|---|------------------------------|----------------|--------------------------------|----------------|
| DEIANTMENT OF THE | 5. LEASE DESIGNATION | AND SERIAL NO. | | |
| GEOLOGICAL SURV | EY | | SF 079492-B | |
| APPLICATION FOR PERMIT TO DRILL, | DEEPEN, OR PLUG | BACK | 6. IF INDIAN, ALLOTTE | OR TRIBE NAME |
| 1a. TYPE OF WORK | | | | |
| DRILL 🔀 DEEPEN | ☐ PLUG B | ack 🗌 | 7. UNIT AGREEMENT N | TAE |
| b. TYPE OF WELL | | | San Juan 27-5 | Unit |
| OIL GAS WELL OTHER | SINGLE X MUL | TIPLE _ | San Juan 27-5 | VE Init |
| 2. NAME OF OPERATOR | | | San Juan 27-3 | Onte |
| El Paso Natural GasCompany | | | 9. WELL NO. | |
| 3. ADDRESS OF OPERATOR | | | 182 | |
| PO Box 990, Farmington, NM 87401 | | | 10. FIELD AND POOL, C | B WILDCAT |
| 4. LOCATION OF WELL (Report location clearly and in accordance wi | th any State requirements.*) | | Tapacito Picti | ired Cliffs |
| | 1600'N, | 1500'E | 11. SEC., T., R., M., OR I | BI.K. |
| At proposed prod. zone | | | Sec. 23, T-27 | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POS | ST OFFICE. | | 12. COUNTY OR PARISH | 13. STATE |
| | | | Rio Arriba | NM |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to Dearest drig, unit line, if any) | 16. NO. OF ACRES IN LEASE | | OF ACRES ASSIGNED HIS WELL 160 | .00 |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, | 19. PROPOSED DEPTH | i i | BY OR CABLE TOOLS | |
| OR APPLIED FOR, ON THIS LEASE, FT. | 3540' | Ro | otary | |
| 21. BLEVATIONS (Show whether DF, RT, GR, etc.) | | 1 2 | 22. APPROX. DATE WO | RK WILL START* |
| 6551'GL | | | | • |
| 23. PROPOSED CASI | NG AND CEMENTING PROC | RAM | | |

SETTING DEPTH

120'

3540'

Selectively perforate and sandwater fracture the Pictured Cliffs formation.

WEIGHT PER FOOT

6.4#

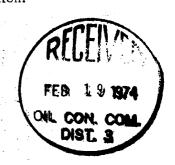
24.0#

The NE /4 of Section 23 is dedicated to this well.

SIZE OF CASING

8 5/8"

2 7/8"



QUANTITY OF CEMENT

236 cu.ft. to cover Ojo Alamo

106 cu.ft. to circulate

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive pr

| signed A Alexand | Drilling Clerk | February 14, 197 |
|--|----------------|--|
| (This space for Federal or State office use) | | |
| PERMIT NO. | APPROVAL DATE | |
| APPROVED BYCONDITIONS OF APPROVAL, IF ANY: | TITLE | DATE 4 C 4 C 7 F |
| Wal | | en e |

*See Instructions On Reverse Side

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

| EL PASO NATURAL GAS COMPANY | ease SAN JUAN 27-5 UN | IT (SF-079492-B) Well No. 182 |
|--|--|--|
| Unit Letter Section Township G 23 27-N | Range Co | RIO ARRIBA |
| Actual Footage Location of Well: | | |
| Ground Level Elev. Producing Formation P | 1500 feet fro | Dedicated Acreage: / |
| 6551 PICTURED CLIFFS | TAPACITO PICTU | RED CLIFFS 160.00 Acres |
| 1. Outline the acreage dedicated to the subject well | by colored pencil or ha | achure marks on the plat below. |
| If more than one lease is dedicated to the well, interest and royalty). | outline each and identif | fy the ownership thereof (both as to working |
| If more than one lease of different ownership is de dated by communitization, unitization, force-pooling | | ve the interests of all owners been consoli- |
| Yes No If answer is "yes;" type of | consolidation | Unitization |
| If answer is "no," list the owners and tract descri | ptions which have actua | ally been consolidated. (Use reverse side of |
| this form if necessary.) No allowable will be assigned to the well until all in | | |
| forced-pooling, or otherwise) or until a non-standard | unit, eliminating such in | nterests, has been approved by the Commis- |
| sion. | | |
| | | CERTIFICATION |
| | 0 | I hereby certify that the information con- |
| | 909 | tained herein is true and complete to the best of my knowledge and belief. |
| | | Original Signed by |
| + | | Name D. G. Brisco |
| | 1500' | Position |
| | 1 7500 | Company |
| | SF-079492-B | Date |
| SECTION 23 | 1 | N |
| | ~~~~~ | |
| | i | I hereby certify that the well location |
| | l I | shown on this plat was plotted from field notes of actual surveys made by me or |
| | CELLER | under my supervision, and that the some is true and correct to the best of my |
| | SEPTIATO / | knowledge and belief. |
| | 1 9 1974 | |
| ! | FEB 1 9 1974 OIL CON. COM. OIL DIST. 3 | Date Surveyed DECEMBER 27, 1973 |
| | OIL CONT. 3 | Registered Professional Engineer |
| | | and/or-Cand Surveyor |
| | | Certificate i.o. 27/0 |
| 0 339 660 90 1320 1650 1980 2317 2640 2000 | 1500 ,600 500 | , Cerancale NS. 1760 |

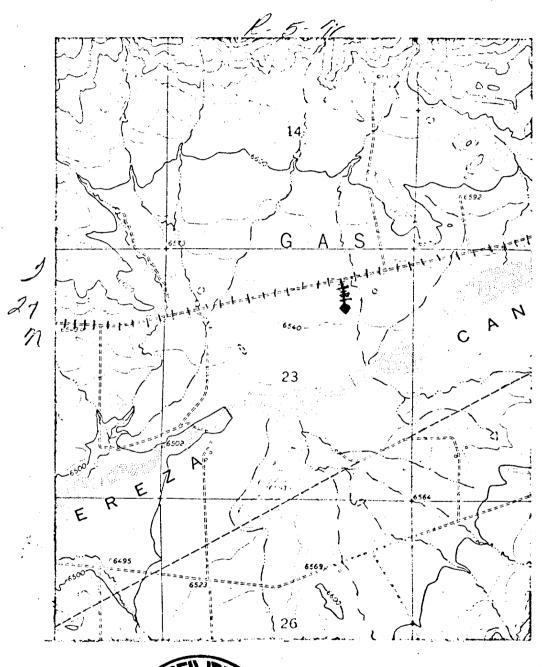
1 Latrine J'x4'x4' deep Pump Steel Mud pits LOCATION AND EQUIPMENT LAY-OUT Reserve S Pit

RECEIVED

FER 1 9 1974

OIL CON. COM.
DIST. 3.

San Juan 29-5 Whit #182 SN 118/4 Son 23, 2-29-12, 18.5-11





LEGEND OF RIGHT-OF-WAYS

EXISTING ROADS

EXISTING PIPELINES + + +

EXISTING ROAD & PIPELINE + + +

PROPOSED ROADS

PROPOSED PIPELINES + + +

PROPOSED ROAD & PIPELINE

| Form | 9-331 |
|------|-------|
| (May | 1963) |

UNITED STATES SUBMIT IN TRIPLICATE* Other instructions on reverse side)

Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.

SF 079492-B

| GEOLOGICA | LSURVEY |
|-----------|---------|
| GEORGICA | |

| SUNDRY | NOTICES | AND | REPORTS | ON | WELLS | |
|--------------------------|----------------|-------------|----------------|----------|---------------|------------|
| (Do not use this form fo | r proposals to | drill or to | deepen or plug | back to | a different : | reservoir. |
| Use "A | APPLICATION | FOR PERI | MIT—" for such | proposal | s.) | |

UNIT AMBERMENT NAME

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

| 1. | | | |
|---------------|-----------|------------------------|-----------------------|
| WELL | WELL XX | OTHER | San Juan 27-5 Unit |
| 2. NAME OF O | PERATOR | | 8. FARM OR LEASE NAME |
| El Pas | o Natural | Gas Company | San Juan 27-5 Unit |
| 3. ADDRESS OF | OPERATOR | | 9. WELL NO. |
| Roy 00 | O Formir | agton Now Movico 97401 | 102 |

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)

At surface 182 10. FIELD AND POOL, OR WILDCAT

Tapacito Pictured Cliffs 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 23, T-27-N, R-3-W 1600'N, 1500'E NMPM
12. COUNTY OR PARISH 13. STATE 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 14. PERMIT NO.

6551' GL 16.

Rio Arriba

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

| NOT | ICE OF INTE | INTION TO: | | SUBSEQUENT REPORT OF: | | | |
|---------------------|-------------|----------------------|--|-----------------------|-------------------|--------------------|----------|
| | | | | | | 1 | |
| TEST WATER SHUT-OFF | | PULL OR ALTER CASING | | WATER SHUT-OFF | X_ | REPAIRING WELL | |
| FRACTURE TREAT | | MULTIPLE COMPLETE | | FRACTURE TREATMENT | | ALTERING CASING | |
| SHOOT OR ACIDIZE | | ABANDON* | | SHOOTING OR ACIDIZING | | ABANDONMENT* | |
| REPAIR WELL | | CHANGE PLANS | | (Other) | -ulto of -ultiple | completion on Weil | <u> </u> |
| (Other) | | | | Completion or Rec | completion Repor | t and Log form.) | L |

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.)*

3-26-74

CONDITIONS OF APPROVAL, IF ANY:

Spudded well. Drilled surface hole.

Ran 3 joints 8 5/8", 24#, J-55 surface casing, 116' set at 116'GL. Cemented with 106 cu. ft. cement. Circulated to surface. WOC 12 hours.



| 8. I hereby certify that the foregoing is true and correct SIGNED | TITLE | Drilling_Clerk | DATE | 4-1-74 |
|---|-------|----------------|------|--------|
| (This space for Federal or State office use) | | | | |
| APPROVED BY | TITLE | | DATE | |

| Form | 9-331 |
|------|-------|
| (May | 1963) |

14. PERMIT NO.

UNITED STATES SUBMIT IN TRIPLICATE* Other Instructions on reverse side)

Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.

SF 079492-R

12. COUNTY OF PARISH

Rio Arriba

13. STATE

New Mexico

| | 0,10 | • • | | |
|------|----------|---------|------|---|
| | | | | - |
| | | | | |
| | | | | |

| | 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.) | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
|----|---|--|
| 1. | | 7. UNIT AGREEMENT AND |
| | WELL GAS OTHER | San Juan 27-5 Unit |
| 2. | NAME OF OPERATOR | 8. FARM OR LEASE NAME |
| | El Paso Natural Gas Company | San Juan 27-5 Unit |
| 3. | ADDRESS OF OPERATOR | 9. WELL NO. |
| | Box 990, Farmington, New Mexico 87401 | 1 82 |
| 4. | LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) | 10. FIELD AND POOL, OR WILDCAT |
| | At surface | Tapacito Pictured Cliffs |
| | 1600'N, 1500'E | 11. SEC., T., R., M., OR DIK. AND SURVEY OR AREA Sec. 23, T-27-N, R-5-W |

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

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6551 'GL

| NOT | ICE OF INTE | ENTION TO: | SUBSEQUENT RE | PORT OF: | |
|---------------------|-------------|----------------------|--|-----------------|--|
| TEST WATER SHUT-OFF | | FULL OR ALTER CASING | WATER SHUT-OFF | REPAIRING WELL | |
| FRACTURE TREAT | | MULTIPLE COMPLETE | FRACTURE TREATMENT X | ALTERING CASING | |
| SHOOT OR ACIDIZE | | ABANDON* | SHOOTING OR ACIDIZING | ABANDON MENT* | |
| REPAIR WELL | | CHANGE PLANS | (Other) | | |
| (Other) | | | (Note: Report results of mult Completion or Recompletion Re | | |

- 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.)*
- 4-8-74 Tested surface casing; held 600#/30 minutes.
- T.D. 3525'. Ran 119 joints 2 7/8", 6.4#, J-55 production casing, 3514' set at 3525'. Baffle set at 3514'. Cemented with 235 cu.ft. cement. 4-12-74 WOC 18 hours. Top of cement at 2550'.
- 5-2-74 Tested casing to 4000#-0K. PBTD 3514'. Perf'd 3358-70', 3396-3426' with 18 shots per zone. Frac'd with 47,000# 10/20 sand and 42,680 gallons treated water. Dropped one set of 18 balls. Flushed with 840 gallons water.



| 18. I hereby certify that the foregoing is true and correspond to the signed of the si | | Drilling Clerk | DATE 5 | -3-74 |
|--|---------|----------------|---------------|-------|
| (This space for Federal or State office use) | | · | | |
| APPROVED BY CONDITIONS OF APPROVAL, IF ANY: | TITLE _ | | DATE | |

EL PASO NATURAL GAS COMPANY

OPEN FLOW TEST DATA

| Operator | | Lease | | |
|-----------------------------|-------------------------|---------------------|-------------|---------------------|
| El Paso Natu | ral Gas Company | San Juan | 27-5 Unit | #182 |
| Location | | County | | State |
| 1600/N, 1500 | D/E, Sec. 23, T27N, R5W | Rio Arril | o a. | New Mexico |
| Formation | | Pool | | |
| Pictured Cli | ffs | Tapacito | | |
| Casing: Diameter | Set At: Feet | Tubing: Diameter | | Set At: Feet |
| 2.875 | 3525 ' | No Tubing | <u> </u> | |
| Pay Zone: From | То | Total Depth: | PETD | Shut In |
| 33581 Stimulation Method | 3426' | 3525' | 3514' | 5-21-74 |
| Stimulation Method | | Flow Through Casing | | Flow Through Tubing |
| Sandwater Fr | ac | XX | | |

| Choke Size, Inches | | Choke Constant | : C | | | | |
|-----------------------------------|---------|---------------------|--------------------|------------------------------------|---------|-------------------|------------|
| .750 | | 12.36 | 5 | Tubingless Con | mpletio | n | |
| Shut-In Pressure, Casing, 1068 | PSIG | + 12 = PSIA 1080 | Days Shut-In 21 | Shut-In Pressure, Tubing No Tubing | PSIG | + 12 = PSIA | |
| Flowing Pressure: P | PSIG | + 12 = PSIA 73 | | Working Pressure: Pw Calculated | PSIG | + 12 = PSIA 94 | |
| Temperature: | | n = | | Fpv (From Tables) | | Gravity | |
| T= 65 °F F+ | = .9952 | .∂5 | | 1.0090 | | .655 | Fg = .9571 |

| CHOKE VOLUME = $Q = C \times P_1 \times F_2$ | x Fg x Fpv | | |
|---|----------------------|----------------------|--|
| Q = 12.365 (73)(. | 9952)(.9571)(1.0090) | = | 868 MCF/D |
| OPEN FLOW = Aof = Q | _)n | | OFFEVED |
| Aof = $\frac{Q}{Q}$ $\frac{1166400}{1157564}$ | n = 868(1.0076) | .85 = 368 (1.006) | JUN 1 4 1974 OIL CON. COM. DIST. 3 |
| Aof = 873 | MCF/D | Note: The well | blew a dry gas. |
| TESTED BY | | | • |
| | | Y | Fathergell |
| | | | Fothergill |
| | | Well Test | _ |

| EL PASC | DEVIA- | | | AS PORT | COMPAN | r . |
|--|-----------------|-----------|---------|------------|----------------------|------------------|
| Name Of Company El Paso Natural Gas Compa | any | | Address | | O. Box 990, | Farmington, N.M. |
| San Juan 27-5 Unit | Well No. 182 | Unit G | | Section 23 | Township 27 N | Range 5 W |
| Pool Tapacito P. C. | | | | | County Rio Arriba | L |

| DEPTH | DEVIATION |
|--------------|------------------|
| 758 ¹ | 3/4 ⁰ |
| 12141 | 10 |
| 22971 | 1 1/4 |
| 27971 | 1 1/2° |
| 3012' | 1 1/2° |



I, the undersigned, certify that I, acting in my capacity as Petroleum Engineer of El Paso Natural Gas Company, am authorized by said Company to make this report; and that this report was prepared by me or under my supervision and directions and that the facts stated therein are true to the best of my knowledge and belief.

| | <u> </u> | arle | House | 1000 |
|--|----------|-----------|-------|---------|
| Subscribed and sworn to before me this | 17th | _day of _ | June | , 1974. |
| Libra J. Dicero | | | | |

Notary Public in and for San Juan County, New Mexico

My commission expires October 5, 1976.

5.**5**. -

June 17, 1974

DATE __

| UNITED STATES SUBMIT IN DUPLICATE (See other instructions on greverse side) GEOLOGICAL SURVEY | Form approved. Budget Bureau No. 42-R355.5. 5. LEASE DESIGNATION AND SERIAL NO. SF 079402-B |
|--|--|
| PLETION OR RECOMPLETION REPORT AND LOG* | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME |
| OIL GAS WELL DRY Other | 7. UNIT AGREEMENT NAME |

| | IAIL LL | | OR RECO | | | | 11 711 | | • | | | |
|--|-------------------------------------|------------------------------|---|--------------------------|-------------------------------------|--------------------------------------|----------------------------------|---------------|--------------------|--|--|--|
| 1a. TYPE OF WEL | L: | OII. WELL | GAS WELL | × | DRY (| Other | | | | 7. UNIT AGR | EEMENT | NAME |
| b. TYPE OF COM | PLETION | | | | | | | | | San | Juan | 27-5 Unit |
| NEW X | WORK OVER | DEEP- | DACK BACK | DII | SVR | Other | | | | S. FARM OR | LEASE | NAME |
| 2. NAME OF OPERAT | no | | | | | | | | - | San S | Juan | 27-5 Unit |
| El Paso N | | al Gas | Compan | У | · | · <u> </u> | | | | 9. WELL NO | • | |
| 3. ADDRESS OF OPER | | | | | | | | | | 10 | 182 | |
| P. O. Box 4. LOCATION OF WEL | $\times 990$ | <u>, Farr</u> | nington, | New | Mexico | 0 874 | 401 | 40\# | | _ | | OR WILDCAT |
| | | , 1500 | | accoraum | ce with any | , Diate 1 | guti emen | | | | | Pictured Cliff |
| 10 | | • | | | | | | | | OR AREA | | |
| At top prod. inte | erval rep | orted below | , | | | | | , | | Sec. | - | T27N, R5W |
| At total depth | | | | | • | | | | | ŀ | NM | PM |
| | | | | 14. P | ERMIT NO. | | DATE | ISSUED | | 12. COUNTY PARISH | or | 13. STATE |
| | | | | | <u> </u> | | | | | Rio Ari | | New Mexic |
| 5. DATE SPUDDED | | E T.D. REAC | HED 17. DAT | E COMPL. | (Ready to | prod.) | _ | - | | RT, GR, ETC.)* | 19. E | LEV. CASINGHEAD |
| 3/26/74 | | | 6/1 | | 0 | | | 51' GI | | ROTARY TO | | CABLE TOOLS |
| O. TOTAL DEPTH, MD | & TVD | 21. PLUG, I | SACK T.D., MD & | TVD 2 | 22. IF MULT HOW MA | | MPL., | 23. INT | LLED BY | | ,rs | CABLE TOOLS |
| 35251 4. PRODUCING INTER | VAL(S). | OF THIS CO | 3514' | P. BOTTOM | I. NAME (M | D AND T | VD)* | · | -> _ | 0-3525 | 1 25 | . WAS DIRECTIONAL |
| a. Imoducino inton | ., | | | | -, (| | , | | | _ | | SURVEY MADE |
| | | 3358-3 | 3426 (P. | C.) | | | | | | | | 146 |
| 6. TYPE ELECTRIC A | ND OTHE | R LOGS RUN | 1 | | | | | | | | 27. | Mar Canan |
| IEL; CDL | -GR; | Temp | erature | Surve | y | | | | | | | 1.1.No 1 |
| 9. | | | CAS | ING REC | ORD (Repo | ort all st | rings set i | n well) | | | / I | 401 |
| CASING SIZE | WEIG | HT, LB./FT. | DEPTH S | ET (MD) | HOL | E SIZE | | CE | 1ENTING | RECORD | 4-1 | AMOUNG PULLED |
| 8 5/8" | _ | 24# | 11 | <u>6' GL</u> | 12 1 | ./4'' | | <u> </u> | cu. | ft. | \perp | JIM CON 3 |
| 2 7/8" | 1 | 6.4# | 35 | 251 | 6 3/ | 411 | | 235 | cu. | ft. | | <u> </u> |
| | | | | | | | | | | | N I | -11. 161. |
| | | | _ | . . | | | — — | | | | | OIL DIST |
| | | T.J. | NER RECORT | | | | | 30 | | TUBING REC | ORD | OIL DIST |
| | TOP () | | NER RECORI | | CEMENT* | SCREEN | (MD) | 30. | | TUBING REC | | PACKER SET (MD) |
| 9. | TOP () | | NER RECORI | | CEMENT* | SCREEN | (MD) | SIZE | oingl | DEPTH SET (M | | or ors. |
| 9. | TOP (b | | | | CEMENT* | SCREEN | (MD) | SIZE | oingl | DEPTH SET (M | | or ors. |
| 9. SIZE | | 4D) B | OTTOM (MD) | | CEMENT* | SCREEN | | Tub | | DEPTH SET (M | (D) | PACKER SET (MD) |
| 9. SIZE 1. PERFORATION REC | CORD (Int | erval, size | and number) | SACKS | CEMENT* | 82. | | Tub | , FRAC | DEPTH SET () CSS TURE, CEMEN MOUNT AND KIE | T SQUI | PACKER SET (MD) EEZE, ETC. MATERIAL USED |
| 9. SIZE 1. PERFORATION REC | CORD (Int | erval, size | and number) | SACKS | CEMENT* | 82. DEPTH | AC | Tub | , FRAC | DEPTH SET () CSS TURE, CEMEN MOUNT AND KIE | T SQUI | PACKER SET (MD) |
| 9. SIZE 1. PERFORATION REC | CORD (Int | erval, size | and number) | SACKS | CEMENT* | 82. DEPTH | AC | Tub | , FRAC | DEPTH SET () CSS TURE, CEMEN MOUNT AND KIE | T SQUI | PACKER SET (MD) EEZE, ETC. MATERIAL USED |
| 9. SIZE 1. PERFORATION REC | CORD (Int | erval, size | and number) | SACKS | CEMENT* | 82. DEPTH | AC | Tub | , FRAC | DEPTH SET () CSS TURE, CEMEN MOUNT AND KIE | T SQUI | PACKER SET (MD) EEZE, ETC. MATERIAL USED |
| 9. SIZE 1. PERFORATION REC 3358-70; 33 | CORD (Int | erval, size | and number) | SACKS | | 82. DEPTH 3358 | ACINTERVAL | Tub | , FRAC | DEPTH SET () CSS TURE, CEMEN MOUNT AND KIE | T SQUI | PACKER SET (MD) EEZE, ETC. MATERIAL USED |
| 9. SIZE 1. PERFORATION REC 3358-70; 33 | 396-3 | erval, size 426 wi | ottom (MD) and number) th 18 SP | Z. | PRGD | B2. DEPTH 3358 | AC INTERVAL | Tub | 7, FRAC | DEPTH SET (MESS TURE, CEMEN MOUNT AND KIN 000# sand | T SQUI | PACKER SET (MD) EEZE, ETC. MATERIAL USED |
| 9. SIZE 1. PERFORATION REC 3358-70; 33 | 396-3 | erval, size 426 wi | and number) | Z. | PRGD gas lift, pu | B2. DEPTH 3358 | AC INTERVAL 3-3426 | Tub | 7, FRAC | DEPTH SET (MESS TURE, CEMEN MOUNT AND KIN 000# sand | T SQUI | PACKER SET (MD) EEZE, ETC. MATERIAL USED , 680 gals, wa |
| SIZE 11. PERFORATION REC 3358-70; 33 3.* ATE FIRST PRODUCTION | 396-3 | erval, size 426 wi | and number) th 18 SP TON METHOD (Flowi | Z. | PRGD gas lift, pu | 82. DEPTH 3358 | AC INTERVAL 3-3426 | Tub. ID. SHOT | 7, FRAC | DEPTH SET (Mess TURE, CEMEN MOUNT AND KIR 000# sand | T SQUI | PACKER SET (MD) EEZE, ETC. MATERIAL USED , 680 gals. wa |
| SIZE 1. PERFORATION REC 3358-70; 33 3.* ATE FIRST PRODUCTI ATE OF TEST 6/11/74 | 396-3 | erval, size 426 wi | ottom (MD) and number) th 18 SP TON METHOD (Flowi CHOKE SIZE 3/4" | Z. Flowing, ng PROD TEST | PRGD gas lift, pu | B2. DEFTH 3358 UCTION mping OIL—B | AC INTERVAL 3-3426 | Tub. ID. SHOT | 7, FRAC | DEPTH SET (Mess TURE, CEMEN MOUNT AND KIN 000# sand WELL ################################ | T SQUI | PACKER SET (MD) EEZE, ETC. MATERIAL USED , 680 gals. wa |
| SIZE 3. PERFORATION REC 3.358-70; 3.3 3.* ATE FIRST PRODUCTI ATE OF TEST 6/11/74 LOW. TURING FRESS. | OORD (Int | PRODUCT TESTED PRESSURE 080 | ontom (MD) and number) th 18 SP ion method (Flowi Choke Size 3/4" CALCULATED 24-HOUR RA' | Z. Flowing, ng PROD TEST | PRGD gas lift, pu o'N. FOR r PERIOD | B2. DEFTB 3358 UCTION mping OIL—B | AC INTERVAL 3-3426 | Tub. ID. SHOT | np) CF. | DEPTH SET (Mess TURE, CEMEN MOUNT AND KIN 000# sand WELL ################################ | T SQUI | PACKER SET (MD) EEZE, ETC. MATERIAL USED , 680 gals. wa G. (Producing or Shut-in GAS-OIL RATIO |
| SIZE 3. PERFORATION REC 3.358-70; 3.3 3.* ATE FIRST PRODUCTI ATE OF TEST 6/11/74 LOW. TURING FRESS. | OORD (Int | PRODUCT TESTED PRESSURE 080 | ontom (MD) and number) th 18 SP ion method (Flowi Choke Size 3/4" CALCULATED 24-HOUR RA' | Z. Flowing, ng PROD TEST | PRGD gas lift, pu o'N. FOR r PERIOD | B2. DEFTB 3358 UCTION mping OIL—B | AC INTERVAL 3-3426 Size and to | Tub. ID. SHOT | np) CF. | DEPTH SET (Mess TURE, CEMEN MOUNT AND KIN 000# sand WELL ################################ | T SQUI | PACKER SET (MD) EEZE, ETC. IATERIAL USED , 680 gals. wa I (Producing or Shut-in GAS-OIL RATIO |
| SIZE 11. PERFORATION REC 3358-70; 33 3.* ATE FIRST PRODUCTION | ION HOURS CASING SI 1 AS (Sold, | PRODUCT TESTED PRESSURE 080 | ontom (MD) and number) th 18 SP ion method (Flowi Choke Size 3/4" CALCULATED 24-HOUR RA' | Z. Flowing, ng PROD TEST | PRGD gas lift, pu o'N. FOR r PERIOD | B2. DEFTB 3358 UCTION mping OIL—B | AC INTERVAL 3-3426 Size and to | Tub. ID. SHOT | np) CF. | DEPTH SET (MESS TURE, CEMEN MOUNT AND KIN 000# sand WELL sha | T SQUIND OF MARKET STATUS LE-IN OIL GE | PACKER SET (MD) EEZE, ETC. MATERIAL USED , 680 gals, wa Material (Producing or Shut-in Gas-oil Ratio |

*(See Instructions and Spaces for Additional Data on Reverse Side)

TITLE Drilling Clerk

671-233

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached bereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments

should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hems 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

TRUE VERT. DEPTH TOP MEAS. DEPTH GEOLOGIC MARKERS 3356 NANE ď, 38. TESTS, INCLUDING CORED INTERVALS; AND ALL DRILL-STEM TAND SHUT-IN PRESSURES, AND RECOVERIES DESCRIPTION, CONTENTS, ETC. 37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; SHOW ALL INTERVAL TESTED, CUBHION USED, TIME TOOL OPEN, FLOWING BOTTOM 2 FORMATION