

ENERGY AND MINERALS DEPARTMENT

L CONSERVATION DIVISION HOBBS DISTRICT OFFICE

5-23-89

POST OFFICE BOX 1980 HOBBS, NEW MEXICO -88241-1980 (505) 393-6161

136 2658

GARREY CARRUTHERS

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

RE: Proposed: MC DHC NSL NSP SWD WFX PMX

Gentlemen:

,

I have examined the application for the:

Co. M.E. Hale # 23 - P 35-17-34 Lease & Well No. Unit S-T-R et. Operator

and my recommendations are as follows:

Your's very truly, Jerry Sexton Supervisor, District 1

/ed



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP

May 16, 1989

Order R-7103 - Expansion of Authority by Administrative Action M. E. Hale Lease Well No. 23 Vacuum Grayburg/San Andres Pool Lea County, New Mexico

State of New Mexico Energy, Minerals and Natural Resources Dept. Oil Conservation Division P. O. Box 2088 Santa Fe, New Mexico 87501-2088

Attn: William J. Lemay Director

Gentlemen:

Administrative approval, provided by Order No. 7103 and Statewide Rule 104F (III)(IV), is requested to permit drilling the unorthodox location of the subject well.

As offset operator, Texaco, Inc. has been notified of this application and has waived any objections. Attached is a project plat identifying all producing and injection wells therein, and a statement explaining the necessity for this location.

Your early consideration is appreciated. Contact me at (915) 367-1488 if you have any questions.

Yours very truly,

ang M. Sandur

Larry M. Sanders, Supervisor Regulation and Proration

LMS:AP

Attachment

cc: New Mexico Dept. of Energy and Minerals
 Oil Conservation Division
 P. O. Box 1980
 Hobbs, New Mexico 88240

RECEIVED

MAY 2 3 1989

OCD HOBBS OFFICE

| District Office Rate Loase — 6 copies Fee Loase — 5 copies | | State of New Mexico ergy, Minerals and Natural Resources Department | | | Form C-101 Revised 1-1-89 | | |
|---|---|---|---|--|--|--|--|
| DISTRICT I P.O. Box 1980, Hobbe, N | OIL (M \$8240 S | API NO. (assigned by OCD on New Wells) | | | | | |
| DISTRICT II P.O. Drawer DD, Artesia, 1 | | S. Indicate Type of Lesse | | | | | |
| DISTRICT III | | | | 6. State Oil & Cas 1 | | | |
| 1000 Rio Brazos Rd., Azu | IC, NM 87410 | | | | CANG 1910. | | |
| APPLICA | TION FOR PERMIT T | O DRILL, DEEPEN, OF | PLUG BACK | B-2317 | | | |
| . Type of Work: | | | <u> </u> | 7. Lease Name or Us | ik Agreement Name | | |
| DRIL | L 🕅 RE-ENTER | DEEPEN | | | • | | |
| . Type of Well: | | | - MALTINA - | | | | |
| MAT [X] MAT [| OTHER | 2016 | | M. E. Hale | | | |
| Name of Operator | | | | 8. Well No. | | | |
| | roleum Company | | | 23 9. Pool asms or Wild | 1 | | |
| Address of Operator 4001 Penbroo | k Street, Odess | a, Texas 79762 | | 1 | | | |
| Well Location | | | | Vacuum Gb | / 34 | | |
| | : 620 Feet Pr | on The south | Line and 125 | 50 Feet From Th | east Line | | |
| Section 35 | Towad | hip 17-S Range | 34-е | NMPM | Lea County | | |
| | | | | | | | |
| | | 10. Proposed Depth | 1 | ormation | 12. Rotary or C.T. | | |
| | | 4900' | the second se | (burg-San And) | | | |
| 4011.8' GR | | 4 Kind & Subs Pag. Bond Blanket | 15. Drilling Contractor | 1 | ror. Date Work will start | | |
| <u>4011.8 GR</u> | | OPOSED CASING AND | Will advis | | on approval | | |
| | гл | UTUSEU GASING ANI. |) CEMENT PHYSI | J 8 8 8 | | | |
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| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEME | | | |
| SIZE OF HOLE 17-1/2" 11" | | WEIGHT PER FOOT | SETTING DEPTH 1590' | SACKS OF CEME | ACACI Surface | | |
| 17-1/2" | SIZE OF CASING 13-3/8" | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEME | VCaCl Surface | | |
| 17-1/2" 11" 7-7/8" 8-5/8" liner If 8-5/8" lin temperature s | SIZE OF CASING 13-3/8" 8-5/8" 5-1/2" will be run only mer not set circus survey will be r | WEIGHT PER FOOT 54.5# J-55 ST&C 24# J-55 ST&C 14# J-55 ST&C y if waterflow en- enlate to surface; un. | SETTING DEPTH 1590' 3200' 4800' countered. | SACKS OF CEME 1500 sx "C", 800 sx "C", Caliper + 303 | ACaCl Surface | | |
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| 17-1/2" 11" 7-7/8" 8-5/8" liner If 8-5/8" liner temperature s Lead: Class ' Tail: Class ' Phillips Petr Use mud addi | SIZE OF CASING 13-3/8" 8-5/8" 5-1/2" will be run only mer not set circul survey will be r "C" 65/35 Poz + "C" Neat roleum Co. opera | WEIGHT PER FOOT 54.5# J-55 ST&C 24# J-55 ST&C 14# J-55 ST&C y if waterflow en- alate to surface; un. 6% Bentonite tes all wells sha ed for control. | SETTING DEPTH 1590' 3200' 4800' countered. if 8-5/8" line ring proration | SACKS OF CEME 1500 sx "C", 800 sx "C", Caliper + 303 r set circula unit. | te to 1500' and | | |
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Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

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

State of New Mexico Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

| Phillips Petroleum Company M.E. Hale 23 Letter Section Township Range County P 35 17 South 34 East NMPM Lea all Footage Location of Well: 620 feet from the South tine and 1250 feet from the East line and level Elev Producing Formation Pool Pool Dedicated Acreage: | enalor | · · · · · · · · · · · · · · · · · · · | | Lease | | | Well No. |
|--|--|---|---|---|-------------|--|---|
| Letter Sectors Towaship Rage Covery 9 35 1.7 Stutch 34 <east< td=""> NMTM 1.ea 6.00 feet from the Soutch lise and 1250 feet from the East line 10 Or adjust of the source of the major with well with y coined pendic to the well and the source of the major well of the well and the source of the major well of the well and the source of the source of the major well and the source of the source of the major well and the source of the well and the source of the well and the source of the sour</east<> | | ins Petrol | eum Company | | | | |
| P 35 17 South 34 East NMP Lea all Fordates Control to Well: South He and 1250 feet form the East Deducted Acress 6.00 feet form the South Bead 1250 feet form the East Deducted Acress 6.10 feet form the Grayburg-San Andres Vacuum Grayburg-San Andres 40 Acres 1. Outline the screage deducted to the subject well by colored pencil of backure marks on the pile below 1 10 There than one scale in deducted to the well, outline each and deducty the ownership thereof (both as to working interest and myship) 3. If more than one scale in deducted to the well, where the addected of the well, than the interest of all owners been consolidated by communitization, unitation, forced pooling, or otherwise) 10 West N Bit answer is "yes" type of consolidation 11 Yes N Interest as using do to the well will all interest has been approved by the Divison 11 No allowable will be subject approved by the Divison OPERATOR CERTIFICATION 11 No Interest and complex to of field and the field and the field and the field approved by the Divison 11 No Interest and complex to of field and the field and the field and the field approved by the Divison 11 No Interest and complex to of field and the field and the field appr | | | | | | County | <u> </u> |
| ail Pootspec Lexinor of Well: Inse and 1250 free from the EaSt ine and level Biev Producing Formation Pool Decised Array: Decised Array: 4011.8. Grayburg-San Andres 40 Acres 1. Outline to be subject well by colored peech to shalter mate to be plat below: 40 Acres 2. If more than one lease of different ownership is decicated to the well, wall be colorad peech to shalter mate to be plat below: 11 Inter the plat below: 3. If more than one lease of different ownership is decicated to the well, wall be colorad peech of thoth as to working interest and royabi? 3. If more than one lease of different ownership is decicated to the well, wall be consolidated. (Use reverse side of the form of the colorage of the well wall and interest have been consolidated? If an over the plat below: 9. If an over the plat below well to suggest well to suggest the interest and bear consolidated? If a nover the plat below: 9. If an over the plat below well to suggest well to suggest the interest and the consolidated? If a nover the plat below: 9. If an over the plat below well to suggest the interest have been consolidated? If a nover the plat below well to suggest the interest have been consolidated? 9. If an over the plat below well to suggest the plat below well to suggest the plat below? If an over the plat below well to suggest the plat below? 9. | | | · · | - | | | 0.3 |
| 6:00 feet from the South lise and 1250 feet from the East line Dedicated Acressic add invest Elev Grayburg-San Andres Vacuum Grayburg-San Andres 40 Acres 1. Outine the scrage dedicated to the subject well by colored pencil or hadburn marks on the plat below. 2. If more than one lease is dedicated to the well, value the overship thereof (hoch as to working interest and mysly). 3. If more than one lease of different onvership is dedicated to the well, have the interest of all onverses been consolidated by communitation, unitation, force pooling, or otherwise) If answer all or to the conversion which have standing been consolidated. (Lite reverse side of the one standing and internet, has been approved by the Dreason. OPERATOR CERTIFICATION Interformation on standing and internet, has been approved by the Dreason. 0 C B A 10 C B A 11 C B A 12 C B A 13 The one standing and | P I Forda de Laceti | | 17 South | J4 East | NMPN | <u> </u> | .ea |
| Decide and level Ever Producing Formation Post Decide ad Acressive 4011.8 Grayburg-San Andres Vacuum Grayburg-San Andres 40 1. Outline the acress dedicated to the well, evel by colored peer of hadour marks on the plat below 2 If more than one lease of different ownership is dedicated to the well, have the interest of all owners bees consolidated by communitation. 1. Willine the acress dedicated to the well, well have the interest of all owners bees consolidated by communitation. multiplication fore pooling, etc.? 1. Hance this age to the total owner in the decide to the well, have the interest of all owners bees consolidated by communitation. multiplication. 1. Hance this age to the total owner in the decide to the well by communitation. multiplication. 1. Hance this age to the well well will all interest have been consolidated for ownership in decide to the well were consolidated by communitation. for ownership in decide to the well were total by communitation. 1. Net ownership in decide to the well were total by the Division. Decide total were total were total were total ownership in decide total were total. 1. Net ownership in decide total balant mark and total total were total were total were total. Molecular total were total | ()) | | | 1050 | | F | |
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| 1. Outline the screage dedicated to the subject well by colored practi or hachure marks on the plat below. 2. If more than one lease of different overchip is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force pointing, its? 3. If more than one lease of different overchip is dedicated to the well, have the interest of all owners been consolidated by communitization, forced pointing, its? 1. The time the time of the decomptions which have semally been consolidated. (Use reverse add of the form in the centrary.) No allowable will be assigned to the well will all interest have been consolidated by the Divison. D C B C B C B C B C B C B C B C B C B C B C C B C C B C B C C B C C B C C B C C B C C B C C B C C C B C C C C C B C | und level flev. | | - | | | • | |
| 2. If more that one lease of different ownership is dedicated to the well, have the interest of all owners bees consolidated by communitization, indication, force pooling, etc.? If answers is "so" list the owners in direct descriptions which have setailly bees consolidated (Use reverse add of this form if necessary. No allowable will be assigned to the well until all interests have been consolidated (Vice reverse add of this form if necessary. No allowable will be assigned to the well until all interests have been consolidated by communitation, unitization, forced pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Drivison. D D C B D C B D C B D C B D C B D C C B D C C B D C C C B D C C C C | 4011.8 | | | | - | dres | 40 Acres |
| If answer is "of" life the owners and their descriptions which have setaility bees consolidated. (Use reverse side of this form in fraceceary. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced pooling, or otherwise) or until is non-standard unit, eliminating such interest, has been approved by the Division. D C B C B C B C B C B C B C B C C B C C B C C B C | 3. If more the | han one lease of d | different ownership is dedicated to | • | | • | |
| D C B C B C B C B C C B C C B C C C C C C C C C C C C C | If answer is this form if No allowab | "no" list the own neccessary le will be assigne | ers and tract descriptions which h d to the well until all interests hav | ave actually been consolidated. (I e been consolidated (by communi | | | g, or otherwise) |
| I bereby certify that the informatic contained berein in the and complete to the best of my knowledge and belief Signature INSET 10000' 19 10 20 20.8' 10 10 10 10 10 10 10 10 10 10 | | ······································ | | | | OPERAT | OR CERTIFICATION |
| IB IB best of my bacwledge and belief INSET Signature INSET G H INSET G Regulation & Proration S Company Phillips Petroleum Compa Date May 10, 1989 SURVEYOR CERTIFICATION I hereby certify that the well loation shomen this plat was platted pom field note: a time a correct to the best of my knowledge of brief M N& P M N& P Starwys made by me 's well in the some to the a correct to the best of my knowledge of brief Batesurves Starwys made by the some to the a correct to the best of my knowledge of brief Batesurves Starwys made by the some to the a correct to the best of my knowledge of brief Batesurves Starwystarwstof to the best of my knowledge of brief | | D | C | 5 | ^ | I hereby | certify that the information |
| Signature Loc 2 ⁻¹⁹² -18 ³ . ⁶ F G H Signature F S | | | | | | contained here | in in true and complete to the |
| Loc 252 - 33.0 F C C C TAO' F C T C T C T C T C T C C T C C C C C C C C C C C C C | | | • 18 | 1 | | best of my know | ledge and helief |
| Loc 252 - 33.0 F C C C TAO' F C T C T C T C T C T C C T C C C C C C C C C C C C C | | | | 1 | | | |
| Loc 232' | | | 13- | i | | Signature | \sim \sim |
| Loc 232' | | | | ł | | Am | Vinlera |
| EV 740' F G G G G Regulation & Proration S Position Regulation & Proration S Company Phillips Petroleum Compa Date May 10, 1989 SURVEYOR CERTIFICATION I hereby certify that the well location sho on this plat was plotted from field notice supervision, and that the sume is true a correct to the best of my knowledge of bild Date Survey NS NS NS NS NS See Inset 2614.3 NS NS NS NS NS NS NS NS NS NS NS NS NS | | | | 1 | | Frinted Name | |
| 1 ^{''} = 1000' ¹⁹ ¹⁹ ¹⁹ ¹⁹ ¹⁹ ¹⁹ ²⁶ ⁴⁰ .8' ²⁰ ²⁶ ⁴⁰ .8' ²⁰ ²⁶ ⁴¹ .5' ⁴¹ ²⁶ ⁴¹ .5' ⁴¹ ²⁶ ⁴¹ .5' ⁴¹ ²⁶ ⁴¹ .5' ⁴² ²⁶ ⁴¹ .5' ⁴² ⁴² ⁴² ⁴² ⁴² ⁴² ⁴² ⁴² | | | 740' F | | —— <u>н</u> | | inders |
| Phillips Petroleum Compa Date May 10, 1989 SURVEYOR CERTIFICATION I hereby certify that the well location show on this plat was plotted from field noirs actual surveys made by me or sucher actual surveys made by me or sucher actual surveys beilef Date Surveys M NE O NE NE 26/41.3 26/41.3 26/41.3 26/41.3 26/41.3 26/41.3 | | छ । | | | | | on & Proration Su |
| May 10, 1989 SURVEYOR CERTIFICATION I hereby certify that the well location show on this plat was plotted from field notes actual surveys made by me or under supervision, and that the surve is true a correct to the best of my knowledler a belief Date Surveyed NO Station applied notes actual surveys made by me or under supervision, and that the surveys belief Date Surveyed NO Station applied notes actual surveys made by me or under supervision, and that the surveys belief Date Surveyed Surveyed NO Station applied notes actual surveys made by me or under supervision, and that the surveys belief Date Surveyed Surve | 1 - 1000 | 19 | | l | | | Petroleum Compan |
| SUR VEYOR CERTIFICATION 2640.8' SUR VEYOR CERTIFICATION I hereby certify that the well location sho on this plat was plated from field notes actual surveys made by me or whiler a supervision, and that the sum is the a correct to the best of my knowledge a belief Date Surveyed Surveyee Surveyeee Surveyeee Surveyeee Surveyeee Surveyeee Surveyeee Surveye | | | | j | | | 1989 |
| 2640.8' 2641.5' I hereby certify that the well location show on this plat was plotted from field notes actual sweys made by me or under in supervision, and that the sume is true a correct to the best of my knowledge a betief Date Survey NO 2641.3 279 | | | | | | | |
| M NR O NR O NO DEC SUPERIOR NO DE SUPERIOR NO DE LA DELLA DE | | . | | | | SURVEY | OR CERTIFICATION |
| M N.C. O P.C. Supervision of the set of the | | 2640.8 | | 2641.5 | | on this plat w actual surveys supervison, an correct to the | as plotted from field notes of made by me or under my d that the sume is true and |
| M N.C. O P.C. Supervision of the set of the | <u>o</u> | Ì | | 1 | 9 | Date Surveyed | |
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M. E. HALE LEASE Vaccum Grayburg/San Andres Field Lea County, New Mexico Well No. 23

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The proposed 10 acre infill producer is required to increase secondary as well as tertiary recovery efficiency from the Phillips M. E. Hale Lease.

Hale-Mable Vacuum Gb/SA Pressure Maintenance Project

• - PROPOSED WELLS





PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79762 4001 PENBROOK

EXPLORATION AND PRODUCTION GROUP

May 15, 1989

Unorthodox Location M. E. Hale Lease Well Nos. 20, 21, 22, and 23 Vacuum Grayburg/San Andres Pool Lea County, New Mexico

Texaco, Inc. P. 0. 728 Hobbs, New Mexico 88240

Gentlemen:

Phillips Petroleum Company has made application to the Oil Conservation Division of the State of New Mexico Energy, Minerals and Natural Resources Department, requesting approval of an unorthodox location for the subject wells. As offset operator to the proration units of these locations, your waiver is requested.

If you have no objections to these locations, please sign below and return to the undersigned.

Yours very truly,

Alwy 91. Sanders by MAP

Larry M. Sanders, Supervisor Regulation and Proration

Texaco, Inc. hereby waives any and all objections to the drilling of the subject wells.

Texaco, Inc.

LMS:AP Attachment