

Annex B PRODUCTION SLIM HOLE WELL

Our experience in this area has shown that these zones will produce sufficient gas, oil ratio for the well to flow naturally for several months after completion.

Should this method prove inadequate, and there is no natural flow, a removable wireline pump seat will be placed and a pump installed. The pump will be designed to pump through hollow rods.

Annex C WORK OVER SLIM HOLE WELL

There is presently available all the fishing tools, over shots, and other work over equipment necessary to service a Slim Hole Completion well, including drill pipe mills, jars, etc. All these tools are designed to work within 2" tubing and will be afforded plenty of working area in 2½" tubing.

Annex D PLUGGING SLIM HOLE WELL

Plugging will be done through 1 13/16" drill pipe to a level where the 2½" tubing can be cut. Thereafter, plugging will be done through the 2½" tubing.

Annex A **PROPOSED SLIM HOLE COMPLETION**

New 2½", J55 seamless tubing will be run to a depth of 2925' and cemented with 125 sacks to an approximate cement level of 2100'-2150'. Cement will be allowed to set up for 72 hours. After the cement has set up the tubing will be pulled to tension and set in a 8 5/8" to 2½" Braden Head type well head.

A correlation log will be run and the bottom zone perforated from 2809'-2833' with 2 shots per foot. This will leave 92' of tubing beneath the bottom perforation for sand and foreign matter.

The bottom zone will then be treated with 250 gals. of Break Down Acid followed by 15,000 gals. of refined frac oil, and 15,000 lbs. of 20-40 sand. As soon as the bottom zone is treated 30-50 gals. of Jel will be pumped down the tubing to seal off the bottom zone. Perforations will then be made from 2665'-2670' at the rate of 4 shots per foot. This zone will be treated with 250 gals. of Break Down Acid to be followed with 10,000 gals. of refined frac oil and 10,000 lbs. of 20-40 sand.

Initial swabbing will be done before the Jel has broken down to determine the production of the top zone by itself.

Previous well completion in this area, including drilling, has cost \$32,000 to \$35,000 per well. Our present estimate of Slim Hole Completion is approximately \$22,000.

Master Control Valve- 2½" tubing -----

Braden Head Well Head- 8 5/8" to 2½" -----

Bottom of Surface Pipe- 500' -----

ILLEGIBLE

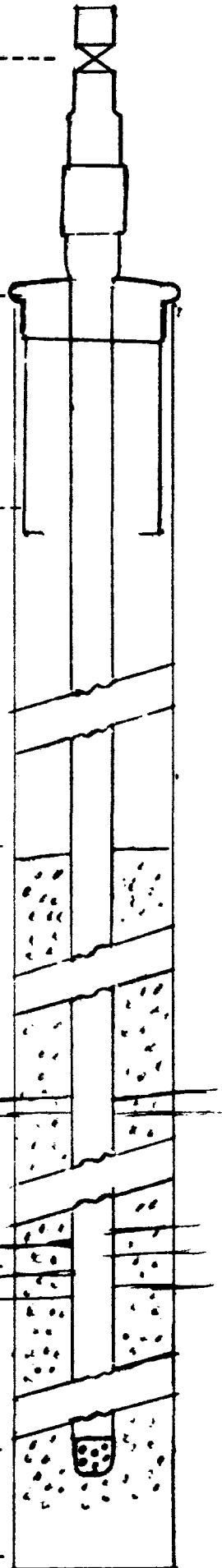
Top of Cement- Approx. 2150' -----

Top Perforations- 2665' to 2670' -----

Bottom Perforations- 2809' to 2834' -----

Bottom of 2½" Tubing- 2925' -----

Total Depth- 2966' -----



GRAPH OF PROPOSED SLL HOLE COMPLETION



INC. OIL WELL SERVICING

Franks Double Drum Equipment

J. T. "JIMMIE" HOLLIS, President

Fully Insured

Phone 6-2051 if no ans. call 6-1721

1621 S. MAIN

November 21, 1958

LOVINGTON, N. M.

A. L. Porter, Jr., Secretary Director
Box 871
Santa Fe, New Mexico

Subject: Requested permission for Slim Hole Completion

Dear Sir:

On November 17 of this year, we completed the drilling of a well in the Square Lake Pool, ~~SE 1/4, NW 1/4~~ ^{NE NW} Section 32, T-16-S, R-30-E, Eddy County. The only possible commercial value of the well appears to be a five foot section of sand known locally as the Loco Hills Sand and a show of gas in the Preimere Sand (Basal Grayburg).

Because of the small chance of pay out we feel that normal completion methods would be exorbitant. Therefore, we would like permission to use the Slim Hole Method of completion, using 2½" tubing as casing. It is further requested, that we be allowed to present our case before the proper authorities at the earliest possible convenience.

An outline of our proposed method of Slim Hole Completion, production, work over, and plugging is presented in the attached annexes.

Yours truly,

T. J. Hollis, President
Southwestern, Inc.

TJH/dfr

*Docket Mailed
12-29-58 BP*

Annex A

PROPOSED SLIM HOLE COMPLETION

New 2½", J55 seamless tubing will be run to a depth of 2925' and cemented with 125 sacks to an approximate cement level of 2100'-2150'. Cement will be allowed to set up for 72 hours. After the cement has set up the tubing will be pulled to tension and set in a 8 5/8" to 2½" Braden Head type well head.

A correlation log will be run and the bottom zone perforated from 2809'-2833' with 2 shots per foot. This will leave 92' of tubing beneath the bottom perforation for sand and foreign matter.

The bottom zone will then be treated with 250 gals. of Break Down Acid followed by 15,000 gals. of refined frac oil, and 15,000 lbs. of 20-40 sand. As soon as the bottom zone is treated 30-50 gals. of Jel will be pumped down the tubing to seal off the bottom zone. Perforations will then be made from 2665'-2670' at the rate of 4 shots per foot. This zone will be treated with 250 gals. of Break Down Acid to be followed with 10,000 gals. of refined frac oil and 10,000 lbs. of 20-40 sand.

Initial swabbing will be done before the Jel has broken down to determine the production of the top zone by itself.

Previous well completion in this area, including drilling, has cost \$32,000 to \$35,000 per well. Our present estimate of Slim Hole Completion is approximately \$22,000.

Annex B PRODUCTION SLIM HOLE WELL

Our experience in this area has shown that these zones will produce sufficient gas, oil ratio for the well to flow naturally for several months after completion.

Should this method prove inadequate, and there is no natural flow, a removable wireline pump seat will be placed and a pump installed. The pump will be designed to pump through hollow rods.

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There is presently available all the fishing tools, over shots, and other work over equipment necessary to service a Slim Hole Completion well, including drill pipe mills, jars, etc. All these tools are designed to work within 2" tubing and will be afforded plenty of working area in 2½" tubing.

Annex D PLUGGING SLIM HOLE WELL

Plugging will be done through 1 13/16" drill pipe to a level where the 2½" tubing can be cut. Thereafter, plugging will be done through the 2½" tubing.

GRAPH OF PROPOSED SLIM HOLE COMPLETION

Master Control Valve- 2½" tubing -----

Braden Head Well Head- 8 5/8" to 2½"-----

Bottom of Surface Pipe- 500'-----

Top of Cement- Approx. 2150'-----

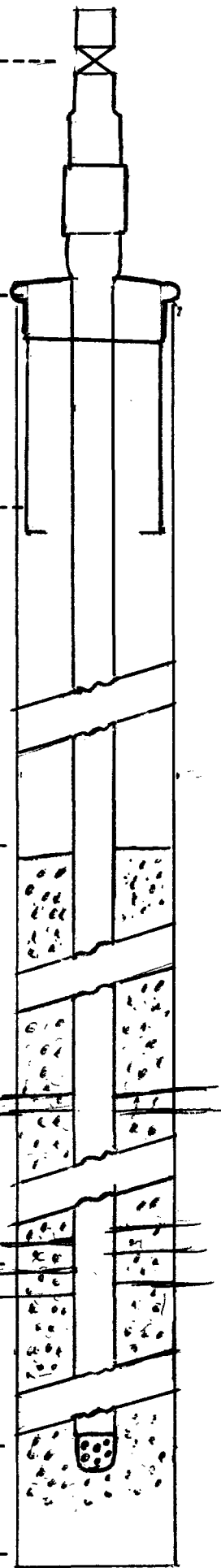
Top Perforations- 2665' to 2670'-----

Bottom Perforations- 2809' to 2833'-----

Bottom of 2½" Tubing-2925'-----

Total Depth- 2966'-----

size?



NEW CASES

- CASE 1631: In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider changing the date of the Regular Commission Hearing in June 1959 from the 17th to the 9th.
- CASE 1632: Application of Humble Oil & Refining Company for permission to make a "slim hole" completion. Applicant, in the above-styled cause, seeks an order authorizing it to utilize the "slim hole" method of completion for its State "M" Well No. 14 to be located 1980 feet from the North line and 660 feet from the East line of Section 31, Township 22 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico. Applicant proposes to utilize 2-7/8 inch tubing as a substitute for casing in the above-described well in exception to Rule 107.
- CASE 1633: Application of Humble Oil & Refining Company for permission to make a "slim hole" completion. Applicant, in the above-styled cause, seeks an order authorizing it to utilize the "slim hole" method of completion for its State "G" Well No. 19, to be located 580 feet from the South line and 1980 feet from the East line of Section 23, Township 21 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico. Applicant proposes to utilize 2-7/8 inch tubing as a substitute for casing in the above-described well in exception to Rule 107.
- CASE 1634: Application of The Pure Oil Company for an order promulgating temporary special rules and regulations for the South Vacuum-Devonian Pool in Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order promulgating temporary special rules and regulations for the South Vacuum-Devonian Pool in Lea County, New Mexico, to provide for 80-acre pro-rata units and well location requirements. Applicant further seeks permission to shut-in its South Vacuum Unit Well No. 3-35 located in the NE/4 NW/4 of Section 35, Township 18 South, Range 35 East, Lea County, New Mexico, and transfer the allowable to its South Vacuum Unit Well No. 1-35 located in the SW/4 NE/4 of said Section 35.
- CASE 1635: Application of Mapenza Oil Company for an exception to the requirements of Order No. R-1224-A. Applicant, in the above-styled cause, seeks an order authorizing an exception to the salt water disposal requirements of Order No. R-1224-A for its State No. 1-A Well, located in the SE/4 SE/4 of Section 14, Township 18 South, Range 37 East, Hobbs Pool, Lea County, New Mexico.
- CASE 1636: Application of The Atlantic Refining Company for an amendment of Rule 115 of the Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order amending Rule 115 of the Commission Rules and Regulations insofar as said rule is related to required pressure rating of wellhead equipment.

DOCKET: REGULAR HEARING APRIL 15, 1959Oil Conservation Commission 9 a.m., Hobbs Auditorium, 1300 East ScharbauerHOBBS, NEW MEXICO

- ALLOWABLE: (1) Consideration of the oil allowable for May, 1959.
- (2) Consideration of the allowable production of gas for May 1959 from six prorated pools in Lea County, New Mexico; also consideration of the allowable production of gas from seven prorated pools in San Juan and Rio Arriba Counties, New Mexico, for May 1959.

CONTINUED CASES

CASE 1573: Application of Southwestern, Inc. Oil Well Servicing for permission to make a "slim hole" completion. Applicant, in the above-styled cause, seeks an order authorizing it to utilize the "slim hole" method of completion for a well located in the SE/4 NW/4 Section 32, Township 16 South, Range 30 East, Square Lake Pool, Eddy County, New Mexico. Applicant proposes to utilize 2½ inch tubing as a substitute for casing in the above-described well in exception to Rule 107.

CASE 1600: In the matter of the application of M. A. Romero and Robert Critchfield concerning the operation of gas prorationing in the Blanco Mesaverde Gas Pool and the ratable taking of gas from said Blanco Mesaverde Gas Pool in Rio Arriba and San Juan Counties, New Mexico, as well as from the Choza Mesa-Pictured Cliffs Gas Pool in Rio Arriba County, New Mexico.

CASE 1526: Northwestern New Mexico nomenclature case calling for an order for the extension of an existing pool in San Juan County, New Mexico.

- (h) Extend the Angels Peak-Dakota Pool to include:

TOWNSHIP 26 NORTH, RANGE 10 WEST, NMPM
Section 2: NW/4

TOWNSHIP 27 NORTH, RANGE 10 WEST, NMPM
Section 35: SW/4

TOWNSHIP 28 NORTH, RANGE 10 WEST, NMPM
Section 27: W/2
Section 28: E/2

CASE 1618: Southeastern New Mexico nomenclature case calling for an order creating a new pool in Lea County, New Mexico:

- (e) Create a new oil pool for Devonian production, designated as the Crosby-Devonian Oil Pool, and described as:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 21: SW/4

- (f) Extend the Atoka Pool to include:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 13: E/2 NE/4

- (g) Extend the Bishop Canyon-San Andres Pool to include:

TOWNSHIP 18 SOUTH, RANGE 38 EAST, NMPM
Section 10: N/2
Section 11: NW/4

- (h) Extend the Crosby-Devonian Gas Pool to include:

TOWNSHIP 26 SOUTH, RANGE 37 EAST, NMPM
Section 4: NE/4

- (i) Extend the Culwin Pool to include:

TOWNSHIP 19 SOUTH, RANGE 30 EAST, NMPM
Section 1: NE/4

- (j) Extend the Drinkard Pool to include:

TOWNSHIP 22 SOUTH, RANGE 38 EAST, NMPM
Section 17: SW/4

- (k) Extend the Eumont Gas Pool to include:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 23: N/2
Section 24: SE/4 & N/2

- (l) Extend the Justis Gas Pool to include:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 13: SE/4

- (m) Extend the Langlie-Mattix Pool to include:

TOWNSHIP 23 SOUTH, RANGE 36 EAST, NMPM
Section 4: NE/4

- (n) Extend the Wilson Pool to include:

TOWNSHIP 21 SOUTH, RANGE 35 EAST, NMPM
Section 19: E/2
Section 20: SW/4

CASE 1640: Northwestern New Mexico nomenclature case calling for an order changing the designation of a pool and extending existing pools in San Juan and Rio Arriba Counties, New Mexico:

- (a) Change the designation of the Otero-Graneros Dakota Pool in Rio Arriba County, New Mexico, to the Otero-Dakota pool.

- CASE 1637: Application of The Atlantic Refining Company for an order combining the Allison-Pennsylvanian and the North Allison-Pennsylvanian Pools in Lea and Roosevelt Counties, New Mexico, and for the promulgation of special rules and regulations therefor. Applicant, in the above-styled cause, seeks an order combining the Allison-Pennsylvanian and the North Allison-Pennsylvanian Pools in Lea and Roosevelt Counties, New Mexico, and providing for the establishment of 80-acre proration units in said combined pool.
- CASE 1638: In the matter of the hearing called by the Oil Conservation Commission on its own motion to consider the establishment of a procedure whereby amendments to unit agreements may be approved administratively.
- CASE 1522: Application of General Petroleum, Inc., for an amendment to Order No. R-1299. Applicant, in the above-styled cause, seeks an order amending Order No. R-1299 to provide that any merchantable oil recovered from sediment oil shall not be charged against the allowable for wells on the originating lease, which amendment would revise Rule 311.
- CASE 1639: Southeastern New Mexico nomenclature case calling for an order creating new pools and extending existing pools in Lea and Eddy Counties, New Mexico:
- (a) Create a new oil pool for Tansil production, designated as the Custer-Tansill Oil Pool, and described as:
- TOWNSHIP 25 SOUTH, RANGE 36 EAST, NMPM
Section 7: NW/4
- (b) Create a new oil pool for Pennsylvanian production, designated as the East Hightower-Pennsylvanian Oil Pool, and described as:
- TOWNSHIP 12 SOUTH, RANGE 34 EAST, NMPM
Section 30: NE/4
- (c) Create a new oil pool for Delaware production, designated as the Querecho Plains-Delaware Oil Pool, and described as:
- TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM
Section 25: NW/4
- (d) Create a new oil pool for Abo production, designated as the West Warren-Abo Oil Pool, and described as:
- TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
Section 17: SW/4
- (e) Create a new oil pool for Connell production, designated as the Warren-Connell Oil Pool, and described as:
- TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
Section 17: SW/4

- (b) Extend the Tapacito-Pictured Cliffs Pool to include:

TOWNSHIP 27 NORTH, RANGE 4 WEST, NMPM
Section 29: E/2

- (c) Extend the Blanco-Mesaverde Pool to include:

TOWNSHIP 31 NORTH, RANGE 13 WEST, NMPM
Section 25: S/2

- (d) Extend the Angels Peak-Gallup Oil Pool to include:

TOWNSHIP 26 NORTH, RANGE 9 WEST, NMPM
Section 6: SW/4
Section 7: NW/4

TOWNSHIP 26 NORTH, RANGE 10 WEST, NMPM
Section 1: All
Section 2: NE/4

TOWNSHIP 27 NORTH, RANGE 10 WEST, NMPM
Section 28: SW/4
Section 29: S/2
Section 32: All
Section 33: W/2

- (e) Extend the Bisti-Lower Gallup Oil Pool to include:

TOWNSHIP 24 NORTH, RANGE 10 WEST, NMPM
Section 2: SW/4

TOWNSHIP 25 NORTH, RANGE 10 WEST, NMPM
Section 19: S/2 S/2

- (f) Extend the Horseshoe-Gallup Oil Pool to include:

TOWNSHIP 30 NORTH, RANGE 16 WEST, NMPM
Section 2: W/2 SW/4

TOWNSHIP 31 NORTH, RANGE 16 WEST, NMPM
Section 19: SW/4 & S/2 SE/4
Section 29: NW/4

- (g) Extend the Verde-Gallup Oil Pool to include:

TOWNSHIP 31 NORTH, RANGE 14 WEST, NMPM
Section 16: SW/4 NW/4
Section 17: E/2
Section 20: E/2

- (h) Extend the Angels Peak-Dakota Pool to include:

TOWNSHIP 26 NORTH, RANGE 10 WEST, NMPM
Section 3: N/2

TOWNSHIP 27 NORTH, RANGE 10 WEST, NMPM
Section 6: E/2 Section 9: W/2

TOWNSHIP 28 NORTH, RANGE 10 WEST, NMPM
Section 25: W/2

SUPPLEMENTAL DOCKET: EXAMINER HEARING FEBRUARY 4, 1959

Oil Conservation Commission 9 a.m., Mabry Hall, State Capitol, Santa Fe, NM.

The following case will be heard before Elvis A. Utz, Examiner:

CASE 1595: Application of John J. Dempsey Associates for the assignment of a minimum allowable to one gas well in the Fulcher Kutz-Pictured Cliffs Gas Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order assigning a minimum allowable to one gas well in the Fulcher Kutz-Pictured Cliffs Gas Pool in order to prevent premature abandonment thereof, said well being the Hutchison Well No. 1 located 660 feet from the North line and 635 feet from the East line of Section 1, Township 29 North, Range 13 West, San Juan County, New Mexico.

been shut-in for observation or to increase the efficiency of the project, operation of the wells on a net gas-oil ratio basis giving allowance for gas injected, and such other rules and regulations as the Commission deems necessary.

CASE 1591: Application of Angels Peak Oil Company for the assignment of minimum allowables to two gas wells in the Fulcher Kutz-Pictured Cliffs Gas Pool, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order assigning minimum allowables to two gas wells in the Fulcher Kutz-Pictured Cliffs Gas Pool in order to prevent premature abandonment thereof, said wells being applicant's Angels Peak Well No. 3 located 595 feet from the North line and 1240 feet from the East line of Section 11 and Angels Peak Well No. 5 located 285 feet from the North line and 1520 feet from the West line of Section 11, both in Township 28 North, Range 11 West, San Juan County, New Mexico.

CASE 1592: Application of Amerada Petroleum Corporation for an order extending the horizontal limits of the Bagley-Upper Pennsylvanian Gas Pool and for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order extending the horizontal limits of the Bagley-Upper Pennsylvanian Gas Pool to include the E/2 of Section 33, and the NW/4 of Section 34, all in Township 11 South, Range 33 East, Lea County, New Mexico. Applicant further seeks the establishment of a 320-acre non-standard gas proration unit in said pool consisting of the NE/4 of said Section 33, and the NW/4 of said Section 34, to be dedicated to the applicant's State BT "M" No. 2 Well located in the SE/4 NE/4 of said Section 33.

CASE 1593: Application of The Texas Company for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order authorizing a 241-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the NE/4 of Section 5, Township 20 South, Range 37 East, and the S/2 SE/4 of Section 32, Township 19 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to applicant's J. W. Cooper Well No. 5 located 1668 feet from the North line and 1650 feet from the East line of said Section 5.

CASE 1196: Application of The Ibox Company for permission to expand its water flood project in the Artesia Pool, Eddy County, New Mexico, and for eight unorthodox well locations. Applicant, in the above-styled cause, seeks an order permitting the expansion of its Artesia Water Flood Project No. 2, authorized by Order No. R-966 in the Artesia Pool, Eddy County, New Mexico, to convert to water injection a well in the NW/4 NW/4 of Section 28 and a well in the SW/4 NE/4 of Section 28, both in Township 18 South, Range 28 East. Applicant further seeks approval of eight unorthodox well locations in Sections 21 and 28 of the aforementioned township.

DOCKET: EXAMINER HEARING FEBRUARY 4, 1959

OIL CONSERVATION COMMISSION 9 a.m., Mabry Hall, State Capitol, SANTA FE

The following cases will be heard before ELVIS A. UTZ, Examiner:

- CASE 1587: Application of Cabot Carbon Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing it to dually complete its J. L. Reed Well No. 2 located 660 feet from the North and East lines of Section 35, Township 13 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the King-Wolfcamp Pool and King-Devonian Pool through parallel strings of 1½" tubing.
- CASE 1588: Application of Atlantic Refining Company to commingle the production from several separate oil pools. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from the Ellenburger, McKee, Fusselman, Montoya, Blinebry, Drinkard, and Queen formations on its State "Y" Lease comprising the N/2 NE/4 and the SE/4 NE/4 of Section 25, Township 25 South, Range 37 East, Lea County, New Mexico. Applicant proposes to separately meter the production from each formation except the Queen prior to being commingled.
- CASE 1589: Application of Humble Oil & Refining Company for an exception to Rule 16 of Order R-586 and for an exception to Rule 303 of the Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order permitting the classification of a 43-degree gravity oil well as a gas well in the Tubb Gas Pool, said well being its dually completed State "V" Well No. 11 located in the NE/4 SW/4 of Section 10, Township 21 South, Range 37 East, Lea County, New Mexico. Applicant further seeks permission to commingle the liquid hydrocarbons produced from the Tubb zone of said State "V" Well No. 11 with Tubb oil produced from its State "V" Well No. 7 located in the SE/4 SW/4 of said Section 10. Applicant further seeks permission to commingle the Blinebry condensate produced from said State "V" Well No. 11 with the Blinebry oil produced from its State "V" Well No. 1 located in the SW/4 SW/4 of said Section 10.
- CASE 1590: Application of Rex Moore for an order authorizing a gas injection project in San Juan County, New Mexico, and for the promulgation of special rules and regulations in connection therewith. Applicant, in the above-styled cause, seeks an order authorizing it to inject gas into the Gallup formation of the Bisti-Lower Gallup Oil Pool through its Scott No. 5 Well located 2115 feet from the South line and 2080 feet from the West line of Section 3, Township 24 North, Range 10 West, San Juan County, New Mexico. Applicant further proposes that special rules and regulations be promulgated to govern the above-described project, which rules would provide for the transfer of the allowable from the injection well to producing wells, transfer of allowables from wells which have

CASE 1594: Application of The Ibex Company for permission to install three separate lease automatic custody transfer systems. Applicant, in the above-styled cause, seeks an order authorizing it to install three separate lease automatic custody transfer systems, one on its Welch Duke State Lease, one on its Resler Yates State Lease and the other on its McNutt State Lease, all in the Artesia Field, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico. Applicant further seeks permission to consolidate multiple tank batteries on said Resler Yates State Lease in exception to Rule 309 of the Commission Rules and Regulations.

CONTINUED CASE

CASE 1573: Application of Southwestern, Inc. Oil Well Servicing for permission to make a "slim hole" completion. Applicant, in the above-styled cause, seeks an order authorizing it to utilize the "slim hole" method of completion for a well located in the SE/4 NW/4 Section 32, Township 16 South, Range 30 East, Square Lake Pool, Eddy County, New Mexico. Applicant proposes to utilize 2 $\frac{1}{2}$ inch tubing as a substitute for casing in the above-described well.

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 2-5-59

CASE NO. 1573

HEARING DATE 2-4-59

My recommendations for an order in the above numbered case(s) are
as follows:

*Continued until first Examiners hearing
in March.*

Chris H. R

*Docket mailed for
March 25th hearing
to Howard Bratton
3-11-59
BP*

Staff Member

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 3-25-59

CASE NO. 1513

HEARING DATE 3-25-59

My recommendations for an order in the above numbered case(s) are
as follows:

*This case continued to the April, 1st, 1959
Reg. hearing at Hobbs.*

Ernest A. Mc

*Docket-mailed
4-3-59
BP*

Staff Member

CASE 1590: Application of Rex Moore for an order authorizing a gas injection project in San Juan County, New Mexico, and for the promulgation of special rules and regulations in connection therewith. Applicant, in the above-styled cause, seeks an order authorizing it to inject gas into the Gallup formation of the Bisti-Lower Gallup Oil Pool through its Scott No. 5 Well located 2115 feet from the South line and 2080 feet from the West line of Section 3, Township 24 North, Range 10 West, San Juan County, New Mexico. Applicant further proposes that special rules and regulations be promulgated to govern the above-described project, which rules would provide for the transfer of the allowable from the injection well to producing wells, transfer of allowables from wells which have been shut-in for observation or to increase the efficiency of the project, operation of the wells on a net gas-oil ratio basis giving allowance for gas injected, and such other rules and regulations as the Commission deems necessary.


DOCKET: EXAMINER HEARING MARCH 25, 1959

Oil Conservation Commission 9 a.m. Mabry Hall, State Capitol, Santa Fe

The following cases will be heard before ELVIS A. UTZ, Examiner:

- CASE 1548: Application of Shell Oil Company for an amendment of Order R-1290. Applicant, in the above-styled cause, seeks an order amending Order R-1290 to eliminate the restriction requiring separate metering of production from each lease prior to commingling, since all interests are common except for small override on one lease and the holder of this interest has waived objection to commingling prior to metering.
- CASE 1620: Application of Sunset International Petroleum Corporation for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its SIPCO Kutz A Federal Well No. 1, located in the NE/4 SW/4 of Section 32, Township 28 North, Range 10 West, San Juan County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup oil pool and the production of gas from the Angels Peak-Dakota Gas Pool through parallel strings of 2-1/16 inch Hydril tubing.
- CASE 1621: In the matter of the application of Humble Oil & Refining Company for an order reclassifying the Four Lakes-Devonian (Oil) Pool in Lea County, New Mexico, as a gas pool.
- CASE 1622: Application of Gulf Oil Corporation for two non-standard gas proration units. Applicant, in the above-styled cause, seeks an order establishing a 160-acre non-standard gas proration unit in both the Tubb Gas Pool and the Blinebry Gas Pool, each to comprise the SE/4 NW/4, NW/4 SE/4, and the N/2 SW/4 of Section 31, Township 22 South, Range 38 East, Lea County, New Mexico, and to be dedicated to applicant's Scarborough Estate Well No. 4 located 1980 feet from the North and West lines of said Section 31 which well is dually completed in the aforementioned pools.
- CASE 1623: Application of Wellshire Development Company for an unorthodox oil well location. Applicant, in the above-styled cause, seeks an order authorizing an unorthodox oil well location in the Bisti-Lower Gallup Oil Pool for its Wellshire No. 1 Federal Well located 530 feet from the South line and 2110 feet from the East line of Section 35, Township 25 North, Range 10 West, San Juan County, New Mexico.

CONTINUED CASES

- CASE 1573: Application of Southwestern, Inc. Oil Well Servicing for permission to make a "slim hole" completion. Applicant, in the above-styled cause, seeks an order authorizing it to utilize the "slim hole" method of completion for a well located in the SE/4 NW/4 Section 32, Township 16 South, Range 30 East, Square Lake Pool, Eddy County, New Mexico. Applicant proposes to utilize 2½ inch tubing as a substitute for casing in the above-described well.
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OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 1-7-59

CASE NO. 1573

HEARING DATE 1-7-59

My recommendations for an order in the above numbered case(s) are as follows:

This Case continued until the
next examiner hearing before
E. A. Hinkle

E. A. Hinkle

1-22-59
Docket mailed by
Feb. 4th hearing etc
Clarence Hinkle
B P

Staff Member

New 2½", J55 seamless tubing will be run to a depth of 2925' and cemented with 125 sacks to an approximate cement level of 2100'-2150'. Cement will be allowed to set up for 72 hours. After the cement has set up the tubing will be pulled to tension and set in a 8 5/8" to 2½" Braden Head type well head.

A correlation log will be run and the bottom zone perforated from 2809'-2833' with 2 shots per foot. This will leave 92' of tubing beneath the bottom perforation for sand and foreign matter.

The bottom zone will then be treated with 250 gals. of Break Down Acid followed by 15,000 gals. of refined frac oil, and 15,000 lbs. of 20-40 sand. As soon as the bottom zone is treated 30-50 gals. of Jel will be pumped down the tubing to seal off the bottom zone. Perforations will then be made from 2665'-2670' at the rate of 4 shots per foot. This zone will be treated with 250 gals. of Break Down Acid to be followed with 10,000 gals. of refined frac oil and 10,000 lbs. of 20-40 sand.

Initial swabbing will be done before the Jel has broken down to determine the production of the top zone by itself.

Previous well completion in this area, including drilling, has cost \$32,000 to \$35,000 per well. Our present estimate of Slim Hole Completion is approximately \$22,000.



INC. OIL WELL SERVICING

Franks Double Drum Equipment

J. T. "JIMMIE" HOLLIS, President

Fully Insured

Phone 6-2051 if no ans. call 6-1721

1621 S. MAIN

LOVINGTON, N. M.

December 31, 1958

Mr. A. L. Porter
Box 871
Santa Fe, New Mexico

Dear Sir:

We wish to amend our application for our
hearing set in January to read as follows:

Northeast Quarter (NE/4) of Northwest
Quarter (NW/4); Sec. 32; T-16-S; R-30-E.

instead of Southeast (SE/4) of Northwest (NW/4).

Sincerely,

T. J. Hollis
President
Southwestern, Inc.

TJH/dfr