

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF MOBIL OIL CORPORATION FOR
AUTHORITY TO INSTITUTE A WATERFLOOD
PROJECT IN THE LANGLEIE-MATTIX POOL,
LEA COUNTY, NEW MEXICO

Case No. 4202

A P P L I C A T I O N

Applicant, Mobil Oil Corporation, whose address is Post Office Box 633, Midland, Texas 79701, hereby requests the Commission to authorize the institution of a waterflood project by the injection of water into the Queen Sand in the Langlie-Mattix Pool, Lea County, New Mexico, and in support of its request states:

1. Injection will be into the Queen Sand through 17 wells
located in Sections 10, 11, 14, 15, 22 and 23, Township
~~25~~ 23 South, Range 37 East, NMPM, Lea County, New Mexico.
2. Four of the seventeen (17) wells will be located at
unorthodox locations.

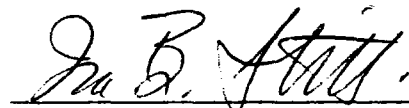
Applicant further seeks an administrative procedure whereby said project could be expanded to include additional lands and injection wells in the area of the said project as may be necessary in order to complete an efficient injection pattern; that said administrative procedure should provide for administrative approval for conversion to water injection in exception to the well response requirements of Rule 701 E-5 of the Commission Rules and Regulations.

WHEREFORE, applicant requests that this matter be set for hearing as provided by law and that following hearing the Commission issue its order granting authority to institute said waterflood project.

Respectfully submitted,

MOBIL OIL CORPORATION

By:


Ira B. Stitt
Division Operations Engineer
Midland Division
Mobil Oil Corporation

DOCKET MAILED

Date 8-15-69

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF MOBIL OIL CORPORATION FOR
APPROVAL OF THE LANGLIE-MATTIX QUEEN
UNIT AGREEMENT IN THE LANGLIE-MATTIX
POOL, LEA COUNTY, NEW MEXICO

Case No. 4201
~~4203~~

A P P L I C A T I O N

Applicant, Mobil Oil Corporation, whose address is Post Office Box 633, Midland, Texas 79701, hereby requests Commission approval of the Langlie-Mattix Queen Unit Agreement in the Langlie-Mattix Pool, Lea County, New Mexico, and in support of its request states:

The proposed Langlie-Mattix Queen Unit is comprised of 1120 acres, more or less, of Federal and Fee lands described as follows:

Lea County, New Mexico

Township 25 South, Range 37 East, NMPM

Section 10: S/2 S/2

Section 11: W/2 SW/4

Section 14: W/2 W/2

Section 15: E/2 & E/2 NW/4

Section 22: NE/4

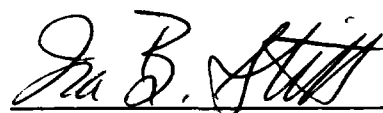
Section 23: W/2 NW/4

WHEREFORE, applicant requests that this matter be set for hearing as provided by law and that following hearing the Commission issue its order approving said Unit Agreement.

Respectfully submitted,

MOBIL OIL CORPORATION

By



Ira B. Stitt
Division Operations Engineer
Midland Division
Mobil Oil Corporation

Mobil Oil Corporation

P.O. BOX 633
MIDLAND, TEXAS 79701

August 7, 1969

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Att: Mr. A. L. Porter

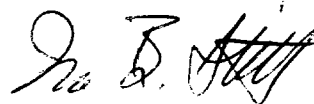
APPLICATIONS OF MOBIL OIL
CORPORATION FOR A UNIT AGREEMENT
AND WATERFLOOD PROJECT - LANGLIE-
MATTIX QUEEN UNIT, LANGLIE-MATTIX
POOL, LEA COUNTY, NEW MEXICO

Dear Mr. Porter:

Enclosed herewith please find above-referenced applications which we would appreciate your filing and docketing for the August 27, 1969 Examiner's Hearing.

This matter was discussed by Messrs. George Hatch and C. R. Kreuz by telephone on August 7, 1969.

Very truly yours,



Ira B. Stitt
Division Operations Engineer

CRKreuz/bje
Enclosures

DOCKET MAILED

Date 8-15-69

J. R. MODRALL
JAMES E. SPERLING
JOSEPH E. ROEHL
GEORGE T. HARRIS, JR.
DANIEL A. SISK
LELAND S. SEDBERRY, JR.
ALLEN C. DEWEY, JR.
FRANK H. ALLEN, JR.
JAMES P. SAUNDERS, JR.
JAMES A. PARKER

JOHN R. COONEY
KENNETH L. HARRIGAN
PETER J. ADANG
DALE W. EK
PETER J. BROULLIRE, III
CAMERON R. GRAHAM

LAW OFFICES OF
MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS
PUBLIC SERVICE BUILDING
P. O. BOX 2168
ALBUQUERQUE, NEW MEXICO 87103

DEC 15 1969
JOHN F. SIMMS (1885-1954)
AUGUSTUS T. SEYMOUR
(1907-1965)
TELEPHONE 243-4511
AREA CODE 505

December 12, 1969

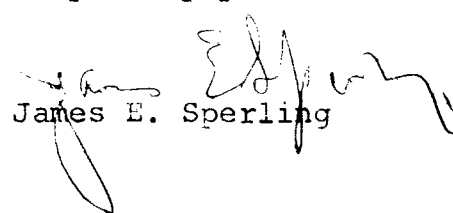
Mr. A. L. Porter, Jr.
Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Case No. 4202 - Application of Mobil
Oil Corporation

Dear Pete:

Enclosed is application of Mobil for hearing on the drilling of an injection well within the approved waterflood unit area. We are asking that this case be reopened under the retained jurisdiction of the Commission for the purpose of considering the granting of permission to drill the well. I assume that the filing of the application will be in time to be placed on the docket for the January 7, 1970, hearing.

Very truly yours,


James E. Sperling

JES:jv

Enclosures (3)

cc: Mr. Ira B. Stitt, w/encl.
Mobil Oil Corporation

DOCKET MAILED
Date 12-24-69

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF MOBIL OIL CORPORATION FOR A
WATERFLOOD PROJECT AND UNORTHODOX
INJECTION WELL LOCATIONS, LEA
COUNTY, NEW MEXICO.

Case No. 4202

A P P L I C A T I O N

Mobil Oil Corporation hereby requests that this matter be reopened for the purpose of considering the drilling of an injection well at a location 660 feet from the north line and 1220 feet from the west line (proposed Unit Injection Well No. 14) of Section 14, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, and in support of said application states:

1. This matter was heard on August 27, 1969, before Examiner Elvis A. Utz, and Commission Order No. R-3823 was issued on September 4, 1969. The Order authorized Mobil to institute a waterflood project in the Langlie-Mattix-Queen Unit Area in the Langlie-Mattix Pool by injection of water into the Queen sand formation at certain designated orthodox and unorthodox locations as specified in that Order. The Order denied applicant's request to drill an injection well at the location hereinabove specified, which denial was based upon a finding to the effect that the injection of water at that location may cause waste and may violate the correlative rights of the offset operator to the east of the proposed location. The Order provided for retention of jurisdiction of the cause for the entry of such further Orders as the Commission may deem necessary. This application seeks to invoke the retained jurisdiction of the Commission and as grounds therefor states:

A. The offset operator to the east of the proposed injection well location is Atlantic Richfield Company (Arco), operator of the Stuart "A" Well No. 1 in the NE/4 of the NW/4 of Section 14. At the hearing in Case No. 4204 held on August 27, 1969, testimony was given to the effect that negotiations were in progress between Mobil and Arco which might result either in the acquisition of the Stuart "A" No. 1 Well by Mobil, or the inclusion of the acreage dedicated to the well in the unit area and with Arco to participate in production on an assigned participation factor basis. Negotiations have not been successful.

B. The injection of water at a location in the vicinity of the proposed Unit Well No. 14 is essential to the success of the waterflood project. Failure to inject water in this area will result in the loss of otherwise recoverable oil approximating 200,000 barrels. Failure to permit recovery of this oil results in substantial impairment of the correlative rights of the royalty and working interest owners within the unit area. Unless an injection well is present in the approximate location of Unit Well No. 14 to provide a barrier, the injection of water in presently authorized injection wells in the unit area will result in movement of oil into the gas cap area of the reservoir where it will be lost and incapable of recovery by anyone by any method. Injection of water is presently in progress pursuant to the Commission's Order, and delay in injection at a location in the vicinity of Unit Well No. 14 will result in movement of oil with the result described above within the unit area itself.

C. Mobil is prepared to show that the drilling of a well for injection purposes at the Unit Well No. 14 location will not impair the correlative rights of Arco and that Arco is now and will be afforded an opportunity to recover such

waterflood oil as may underlie its lease boundaries. Mobil is further prepared to show that adequate protection of the rights of Arco has been offered through the alternatives of joining in unit participation or the sale of the Arco well at a figure commensurate with its value, including its contribution to total recovery from the unit area. The Arco well has produced no oil and no gas since 1963, and has produced no oil since 1959, during which year total oil production was 116 barrels and gas production was 37,720 mcf. Gas production for 1963, the last year of any reported production, was a total of 1,235 mcf, with no oil. The well was completed in 1938.

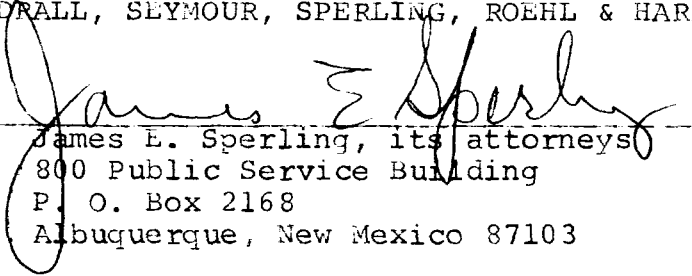
WHEREFORE, Mobil requests that this case be reopened, set for hearing and that it be authorized to drill an injection well at the location proposed for Unit Well No. 14, and for this purpose invokes the retained jurisdiction of the Commission.

Respectfully submitted,

MOBIL OIL CORPORATION

BY: MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS

By


James E. Sperling, its attorneys
800 Public Service Building
P. O. Box 2168
Albuquerque, New Mexico 87103

Mobil Oil Corporation

NOV 24 1969

P.O. BOX 633
MIDLAND, TEXAS 79701

November 21, 1969

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Att: Mr. A. L. Porter

Do not set this for
hearing as another
application has been
filed for the reopening?
Case 4202 -
file in
Case 4202

APPLICATION OF MOBIL OIL CORPORATION
FOR A WATERFLOOD PROJECT EXPANSION
LANGLIE-MATTIX QUEEN UNIT
LANGLIE-MATTIX POOL
LEA COUNTY, NEW MEXICO

Dear Mr. Porter:

Enclosed herewith please find above-referenced application which we would appreciate your filing and docketing for the December 17, 1969 Examiner's Hearing.

By copy of this letter and attachments we are informing Atlantic Richfield Company of this application.

Very truly yours,

DOCKET MAILED

Ira B. Stitt

Ira B. Stitt
Division Operations Engineer

Date 12-24-69

CRKreuz/bje
Enclosure

cc: Atlantic Richfield Company
P. O. Box 1610
Midland, Texas 79701

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION
OF MOBIL OIL CORPORATION FOR
AUTHORITY TO EXPAND THE WATERFLOOD
PROJECT IN ITS LANGLEIE-MATTIX QUEEN
UNIT IN THE LANGLEIE-MATTIX POOL,
LEA COUNTY, NEW MEXICO BY THE
DRILLING OF AND INJECTION INTO ITS
LANGLIE-MATTIX QUEEN UNIT WELL NO. 14

Case No. _____

A P P L I C A T I O N

Applicant, Mobil Oil Corporation, whose address is Post Office Box 633, Midland, Texas 79701, hereby requests the Commission to authorize the expansion of the waterflood project on its Langlie-Mattix Queen Unit by the drilling of its Langlie-Mattix Queen Unit Well No. 14 and by injecting water into the Queen Sand through said Well No. 14 and in support of its request states:

1. The proposed location of Well No. 14 is 660' FNL and 1220' FWL of Section 14 (Unit D), T-25-S, R-37-E, NMPM, Lea County, New Mexico.
2. Attached hereto and made a part hereof is:
 - A. A plat showing all wells within a two mile radius of Well No. 14
 - B. A plat of the Langlie-Mattix Queen Unit
 - C. A diagrammatic sketch of Well No. 14
3. Authority to institute a waterflood project in the Langlie-Mattix Queen Unit was granted by Commission Order No. R-3823 issued September 4, 1969.
4. The granting of this Application will result in the prevention of waste and will protect correlative rights in the project area.

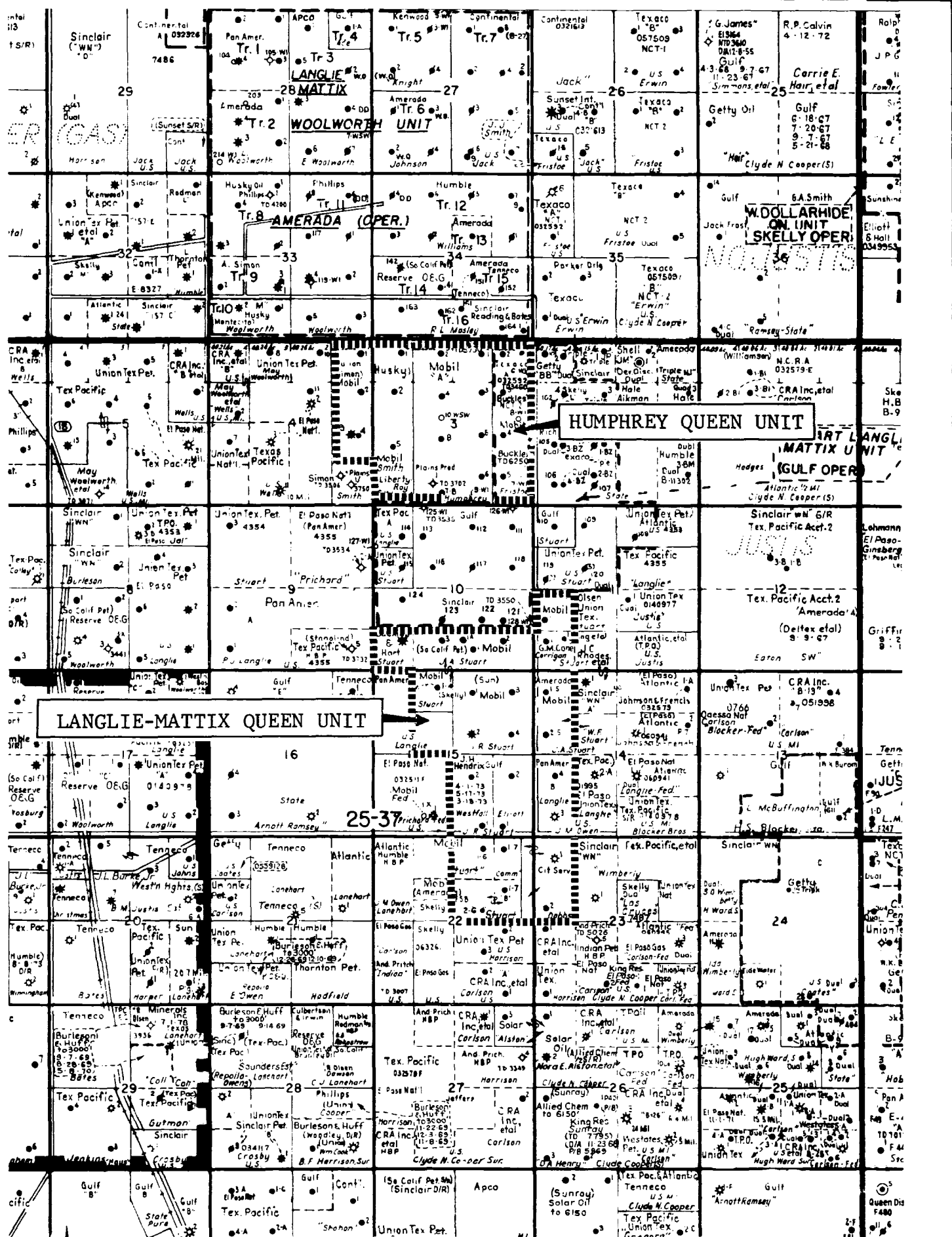
WHEREFORE, applicant requests that this matter be set for hearing as provided by law and that following hearing the Commission issue its order approving said expansion.

Respectfully submitted,

MOBIL OIL CORPORATION

By: _____

Ira B. Stitt
Ira B. Stitt
Division Operations Engineer
Midland Division
Mobil Oil Corporation



Mobil Oil Corporation

EXPLORATION AND PRODUCING DEPARTMENT
MIDLAND DIVISION

AREA MAP

PROPOSED LANGLEIE-MATTIX
QUEEN UNIT &
HUMPHREY QUEEN UNIT
Lea County, New Mexico

SCALE 1" = 4000'

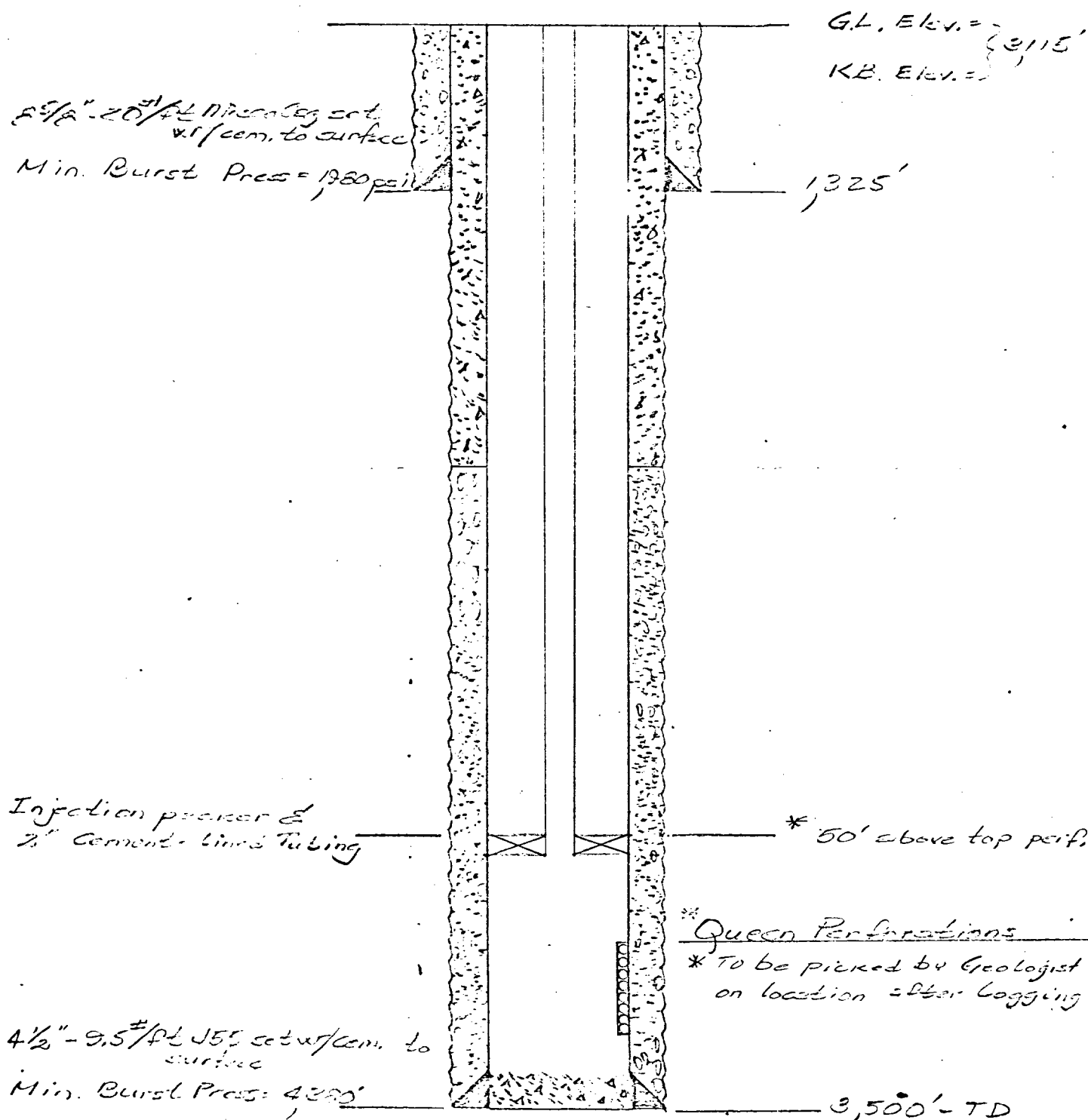
DATE 8-21-69
DRAWN BY *ARM*
CHECKED *FLK*
APPROVED
REVISED

Diagrammatic Well Sketch

Langlio-Mottue Queen Unit Well No. 14. W.I.W.

Langlio-Mottue (Queen) Field

Los Alamos, New Mexico



8-20-69
(W.D.)