Conoco Inc. P.O. Box 460 726 East Michigan Hobbs, NM 88240 (505) 393-4141

Rejard 10-7-85?

September 26, 1985

NSL-2178 RULE-104 F(ET)

State of New Mexico Energy and Minerals Department Oil Conservation Division P. O. Box 2088 Santa Fe, NM 87501

Underigrated Morrow Fool 300 Down dediction 5/2 Section 2, T-181, R-3VE.

Attention Mr. Dick Stamets, Director

Gentlemen:

Request for Unorthodox Location - EK Deep No. 1, 715' FSL and 990' FWL, Section 22, T-18S, R-34E, Lea County, New Mexico

Conoco Inc. respectfully requests administrative approval to drill the subject well at an unorthodox location in Unit letter M, 715' FSL and 990' FWL of Section 22, T-18S, R-34E, Lea County, New Mexico. The previous location was 660' FSL and 660' FWL, Section 22, T-18S, R-34E, Lea County, New Mexico. The request for the unorthodox location is based upon the location's geology and the proximity of an existing pipeline. The E-K Deep No. 1 is proposed as a dual oil well completion to the Bone Spring and Wolfcamp horizons, with an exploratory tail to the Morrow for testing purposes. If the Morrow proves commercial, it will be dually completed with either the Wolfcamp or the Bonespring.

Based on the attached isopach maps, (Exhibits #1-3) the testing of all three zones is greatly dependent on sand thickness and porosity development at the proposed unorthodox location. As can be seen from the Morrow sand thickness isopach (Exhibit #1), sand thickness pinches out rapidly east of the proposed location. Therefore, a standard location of 1980' FWL of Section 22 would result in a loss of pay thickness in the Morrow sand. As can be seen on the Wolfcamp porosity isopach (Exhibit #2) and the Bone Spring porosity isopach (Exhibit #3), a location of 1980' FWL of Section 22 would favor porosity development in both zones, however, would place our well within 150' of the Tonto Deep #1 well (Unit letter N, Section 22, T-18S, R-34E) and, because of deep invasion by drilling mud in the Tonto Deep #1, we believe Wolfcamp and Bone Spring drainage would be impaired by reduced formation permeability. radial flow rate into the wellbore is directly proportional permeability, it is imperative that each of the zones be penetrated at a location which has ample permeability to obtain commercial production rates.

Remarks: This ever well also be permitted for the Underignaled Bone Springs and Undergoided Wolfamp Pools, which are both standard locations. The acreage deduction for both of the pools shall be the Suly Swly, Section 20, 7-181, R-34E.

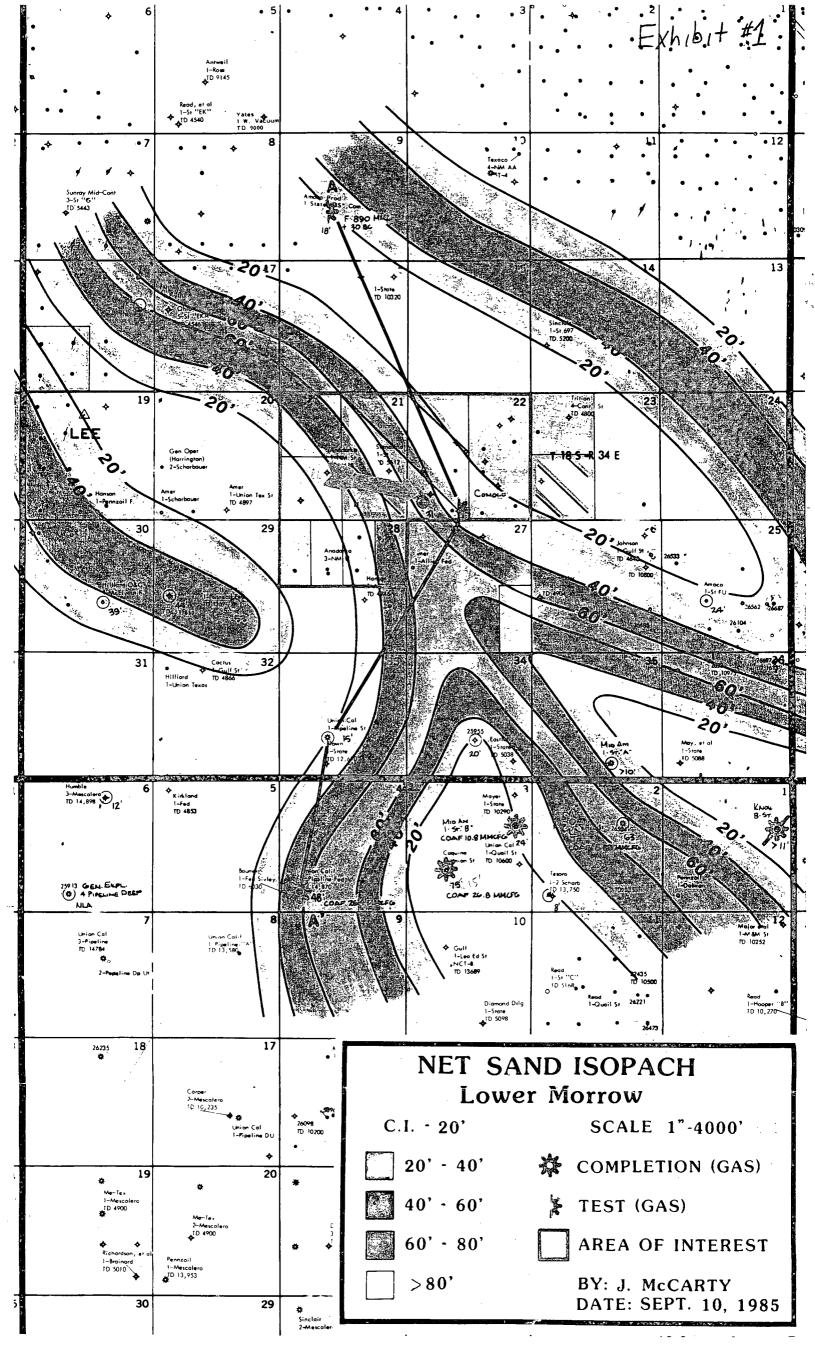
The enclosed well location plat (Form C-102) reflects that the location meets the requirements for administrative approval because it is not closer than 660' to the nearest side boundary, nor closer than 990' to the nearest end boundary of the designated 320 acre lay down proration unit.

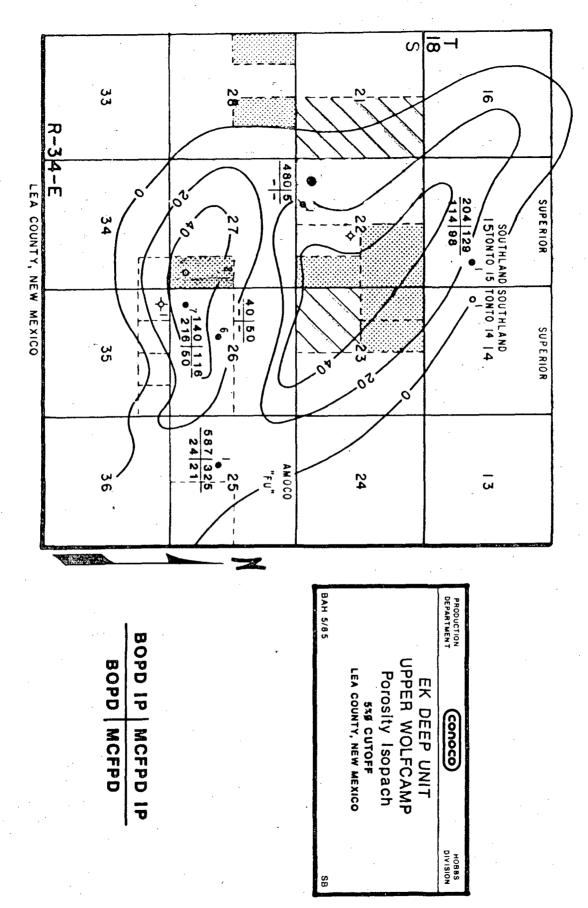
Also enclosed, a surface map showing offset operators, a listing of offset operators and their addresses, and a copy of the waiver letter sent to offset operators.

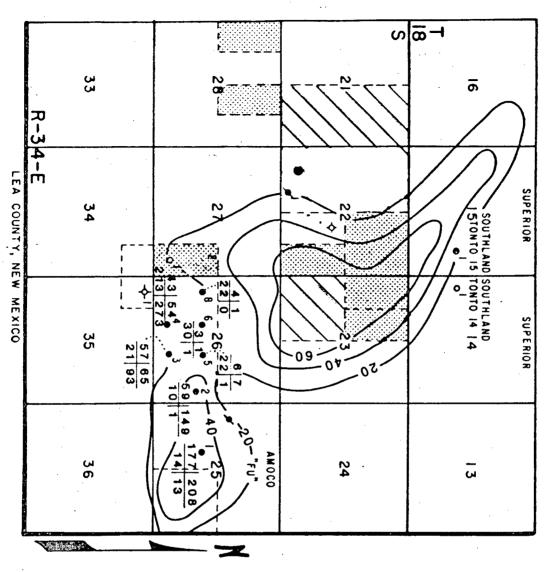
Yours very truly,

Donald W. Johnson

ELK:jr







CUM. MBO CUM. MMCF

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EK DEEP UNIT
2nd BONE SPRING CARBONATE
Porosity Isopach
5% & cutoff
LEA COUNTY, NEW MEXICO
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NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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Offset Operators E-K Deep No. 1

Anadarko Petroleum P. O. Box 2497 Midland, TX 79702

Bass Enterprises Prod. 3700 Claydesta National Bank P. O. Box 2760 Midland, TX 79702



Conoco Inc. P.O. Box 460 726 East Michigan Hobbs, NM 88240 (505) 393-4141

September 26, 1985

Offset Operators E-K Deep No. 1 SW/4 Section 22, T-18S, R-34E Lea County, New Mexico

Gentlemen:

Conoco Inc. wishes to drill a dually completed oil well in the Bone Spring and Wolfcamp formations with an exploratory tail to the Morrow formation at an unorthodox location. This location is 715' FSL and 990' FWL, Section 22, T-18S, R-34E, Lea County, New Mexico. The unorthodox location may be approved administratively providing no offset operator objects. Conoco Inc. hereby request your waiver of objection to its unorthodox location.

If you have no objection, please execute one copy of this letter and return it in the enclosed self-addressed, stamped envelope. The second copy may be retained for your files.

Thank you for your cooperation in this matter.

Donald W. Jahrson

Yours very truly,

ELK:jr				
Executed	the _		_ day of	 _, 1985.
Зу		·	_	
Company				



September 26, 1985

NSC-2178

Conoco Inc. P.O. Box 460 726 East Michigan Hobbs, NM 88240 (505) 393-4141

OCT 3 1 1933 DE CONSERVATION DIVISION

Offset Operators
E-K Deep No. 1
SW/4 Section 22, T-18S, R-34E

Lea County, New Mexico

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Yours very truly,

ELK: jr

xecuted the 21st day of October , 1985.

O. E. Pullig, Division Manager

Donald W. Johnson

Company Bass Enterprises Production Co.

^{*}This waiver is granted by the undersigned provided the party or parties seeking the non-standard location by acceptance of this waiver do hereby agree that the said undersigned may drill an offsetting well at a like non-standard location without penalty if the said undersigned deems the drilling of such a well necessary to protect correlative rights.



Conoco Inc. P.O. Box 460 726 East Michigan Hobbs, NM 88240 (505) 393-4141 RECEIVED
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ELK:jr

Executed the // day of Cocher, 1985.

By Stickard le Licera-

Company Anadarka Petroleum Corp.

Donald W. Jahnson