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February 20, 1980

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

Attention Mr. Dan Nutter

Gentlemen:

Administrative Application

Order No. R-5631 dated January 24, 1978, authorized Conoco Inc. to institute a waterflood project in its Southeast Monument Unit Area, Warren-McKee Pool. The above order names the eight wells, the "Unit Letter" location, and "Section" in which each well is located. The SEMU Well No. 58 is named as being one of those wells being located in Unit Letter "C" of Section 29, T-20S, R-38E, Lea County, New Mexico.

By this letter, we respectfully request administrative approval for substituting the SEMU Well No. 114, a well yet to be drilled, for the previously approved Well No. 58, for the purpose of injecting water into the McKee Formation. In support of this request, the following information is submitted:

1. Well No. 58 was drilled and first completed in the Warren McKee Pool through perfs 8926' - 9105' in May 1957. The McKee Formation ceased to produce in August 1969, after producing 160,662 BO.

2. In February 1970, after being unable to pull the packer which was set at 8887', the 2 3/8" tubing was cut off at 8500'. Sixty feet of cement and 30' sand was placed on top of the packer at 8887'. A Baker RBP was set at 8150' with 14' sand on top. This packer is designed to hold pressure from 4,000 to 5,000 psi. The well was completed through Devonian perfs 7783' - 7805'. After producing 12,684 bbls, the well ceased to produce from the Warren Devonian Pool in November 1972.

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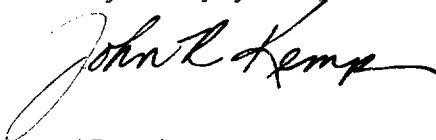
- (3) A bridge plug was set at 7000' w/35' cement on top. The operator tested for production through Drinkard perfs 6784' - 6873', with no satisfactory results.
- (4) A cement retainer was set at 6739' with 25' of cement on top. The operator tested the Tubb zone through perfs 6552' - 6639', with no satisfactory results.
- (5) A retrievable bridge plug was set at 6220' and Well No. 58 was completed in the Blinebry Oil & Gas Pool through perfs 5868' - 5952'.
- (6) Well No. 58 began producing from the Blinebry zone in November 1977 and is currently producing from 25 to 30 BOPD as a Blinebry oil well.
- (7) In order to convert Well No. 58 to a McKee water injection well, it would be necessary to remove five obstructions in the wellbore, squeeze four sets of perforations, and discontinue production from the Blinebry zone.

If this application is granted, the Southeast Monument Unit Well No. 114 will be drilled as a McKee water injection well located in Unit "C", 810' FNL and 2130' FWL of Section 29, T-20S, R-38E, an orthodox location in the same unit letter as the approved Well No. 58. Well No. 114 will be equipped and completed in accordance with all applicable rules and regulations pursuant thereto.

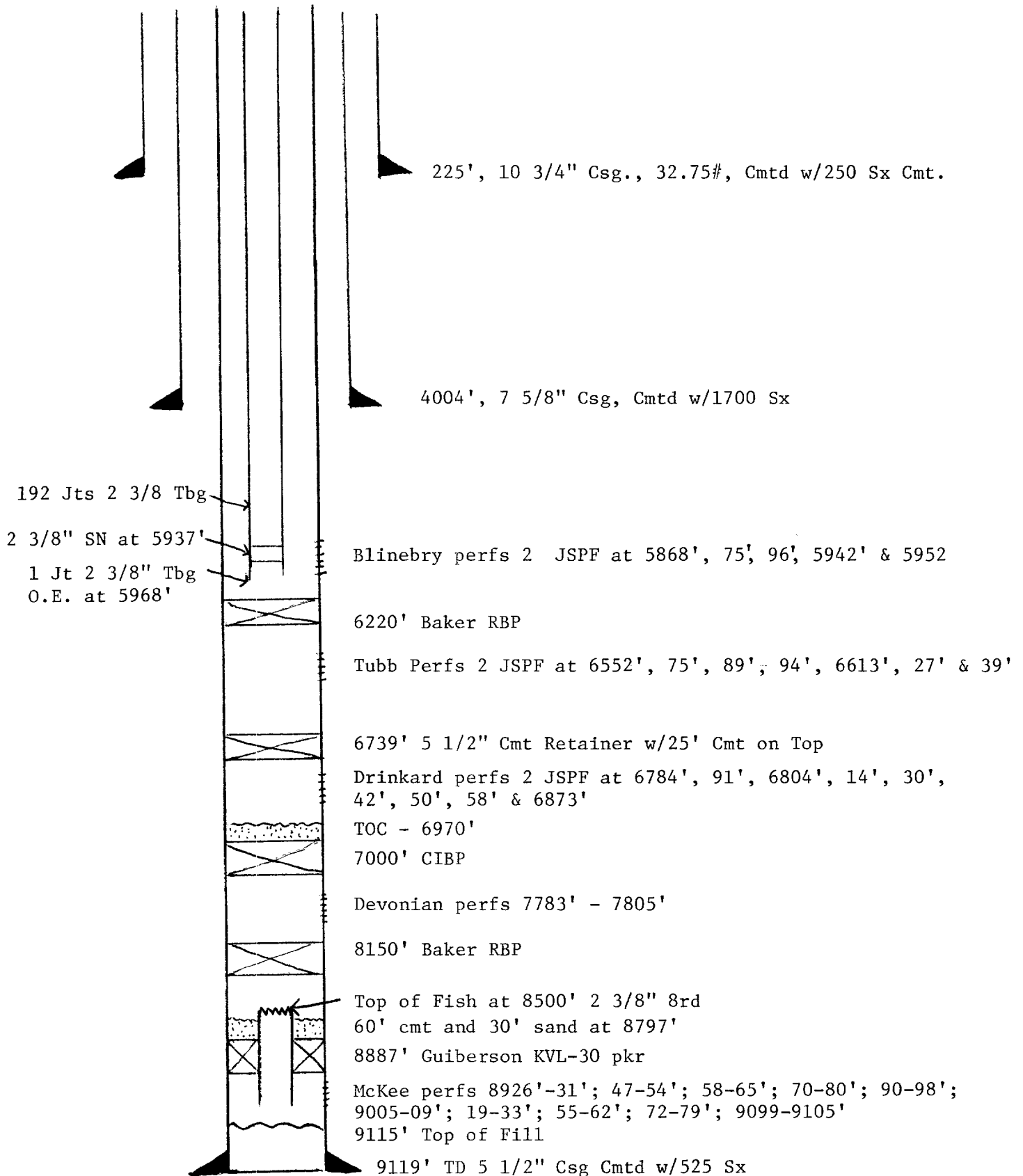
Attached is a wellbore schematic, location plat, and structure map showing the relative locations of the wells in question. You may note on the attached map that Well No. 114 is located in the same unit letter as Well No. 58, thus providing the same injection pattern as contained in Order No. R-5631.

Your favorable consideration of this request will be appreciated. It is further requested that if this application cannot be granted administratively, that it be placed on the March 27, 1980 Examiner's Docket, if possible.

Very truly yours,



HAI:rej  
Enc



SOUTHEAST MONUMENT UNIT  
Well No. 114  
Proposed Wellbore Diagram

Location: 810' FNL & 2310' FWL  
Sec. 29, T-20S, R-38E

T/Salt - 1500'  
B/Salt - 2520'

Elev: 3535 Gr (Est)  
KBM: 11' AGL (Est)

10 3/4" - 40.50# H-40 STC surf  
csg at 275' w/250 sxs circ

7 5/8" - 24# H-40, 26.4# K-55 STC  
intermediate csg at 4160' w/1000  
sxs circ

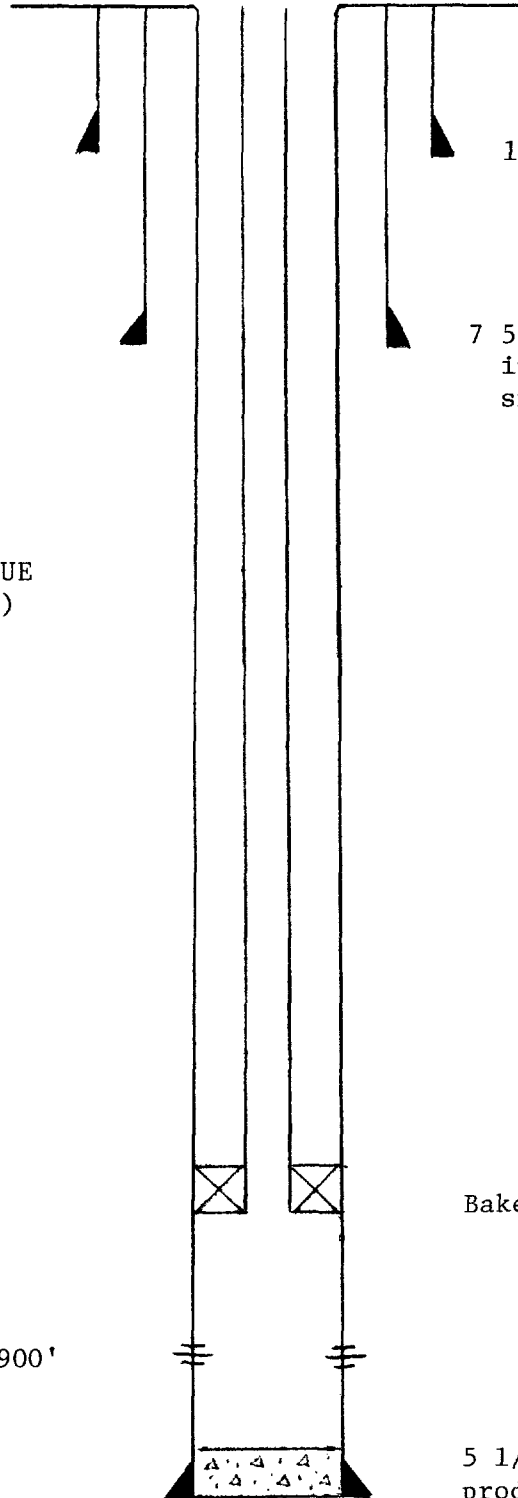
2 3/8" - 4.70# 8rd J-55 EUE  
tubing at  $\pm$  8800' (P.C.)

Baker Lok-set pkr at  $\pm$  8800'

Proposed McKee perfs at 8900'  
to 9000' w/4 JSPF

PBTD - 9030'  
TD - 9070'

5 1/2" - 17# K-55, N-30 LTC  
prod csg at 9070' w/510 sxs.  
TOC - 4160'



**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form O-122  
Supersedes O-12H  
Effective 1-1-65

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

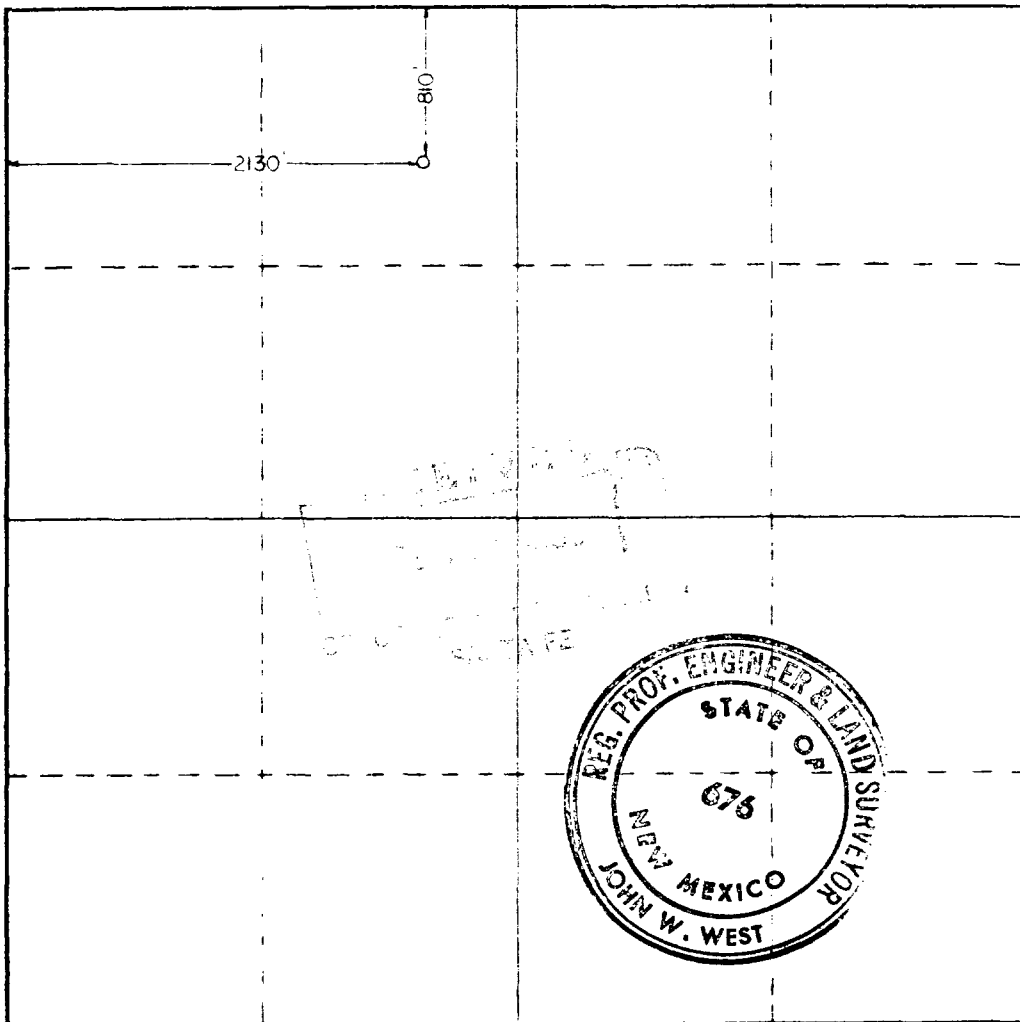
Operator <b>Conoco, Inc.</b>			Lease <b>SLMO McKee</b>		Well No. <b>114</b>
Unit Letter <b>C</b>	Section <b>29</b>	Range <b>20 South</b>	Meridian <b>3E East</b>	County <b>Lea</b>	
Actual Well Location of Well: <b>810</b> feet from the <b>North</b> line and <b>2130</b> feet from the <b>West</b> line					
Ground Elev. <b>3524.3</b>	Producing Formation			Designated Acreage	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes    ☐ No    If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.


I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed <b>January 4, 1930</b>
Registered Professional Engineer and Land Surveyor <i>John W. West</i>
Certificate No. <b>John W. West 676</b> <b>Ronald J. Eidson 3239</b>

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

