



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

OIL CONSERVATION DIVISION
BOX 2088
SANTA FE, NEW MEXICO 87501

DATE 6-11-81

MC-2902

RE: Proposed MC a
Proposed DHC
Proposed NSL
Proposed SWD
Proposed WFX
Proposed PMX

Gentlemen:

I have examined the application dated 6-3-81
for the Zennew State 16 #1E P-16-26-8
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

Approve

Yours truly,

Frank J. Chang

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator Tenneco Oil Company		County San Juan		Date May 29, 1981
Address P.O.Box 3249, Englewood, CO 80155		Lease State		Well No. 16-1E
Location of Well P	Unit 16	Section 26N	Township 8W	Range

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X
2. If answer is yes, identify one such instance: Order No. _____; Operator Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Ballard Pictured Cliffs		Dakota
b. Top and Bottom of Pay Section (Perforations)	2308-2394'		6672-6845'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing

4. The following are attached. (Please check YES or NO)

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
<input checked="" type="checkbox"/>	<input type="checkbox"/>	d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Supron, Box 808, Farmington, New Mexico 87401

Southern Union (Supron), Bldg. #5, Fifth Floor, 10300 North Central Expwy, Dallas, TX 75231

J. Felix Hickman, 6020 Pinehurst, El Paso, TX

Frank A. Schultz, 730 Fidelity Union Tower, Dallas, TX 75201

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO DIST If answer is yes, give date of such notification May 29, 1981.

CERTIFICATE: I, the undersigned, state that I am the Asst.Div.Adm.Mgr. of the Tenneco Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Carly Watters
Signature

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the pools, the applicant must submit a separate application for approval of the same.

LEASE _____ State _____

WELL NO. 16-1E

9 5/8" OD, 36 LB, K-55 CSG. W/ 225 SX
TOC @ Surf.

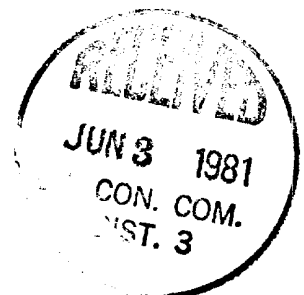
7" OD, 23# LB, K-55 CSG. W/ 900 sx - SX
TOC @ surface.

4 1/2" OD, 10.5# LB, K-55 CSG. W/ 300 SX
TOC @ 4903

DETAILED PROCEDURE

Co if necessary

19. Kill Dakota w/1% KCl water. RIH and check PBTD.^A POOH w/tbg.
20. Set Model D pkr w/expendable plug 50' below PC Perfs.
Drop 2 sx sand on pkr.
21. Fill hole w/1% KCl.
22. Test csg to 2500 psi.
23. Perforate PC: (As directed, using 4" csg gun and 2 jspfs).
24. RIH w/pkr. Isolate PC perfs.
25. Acidize down tbg w/20 gals 15% HCL per perforation using 150' ball sealers. POOH w/pkr.
26. Frac down cas w/75 qualify foam as follows:
 - a) 4000 gal pad
 - b) 4000 gal w/1/2 ppg 10/20 sd
 - c) 4000 gal w/1 ppg 10/20 sd
 - d) 12,000 gal w/2 ppg 10/20 sd
 - e) Flush to top perf w/foam.
 Total sand: 30,000# 10/20.
27. Shut-in until WHP drops 250 psi or 2 hours, whichever comes first.
28. Open well to flow thru 1/2" tapped bull plug.
29. Flow overnight.
30. RIH w/F-nipple, production tube, seal assembly,
2 3/8" tbg and blast joints. Run retrievable pump thru plug
in F-nipple.
31. Circulate sand off pkr w/foam.
32. Kill well w/1% KCl water.
33. Land 2 3/8" tbg.
34. RIH w/1-1/4", 2.3#, J-55, 10rd tbg. Land tbg @ top of P.C.
35. Remove BOP. Install WH.
36. Kick PC around w/N₂.
37. Retrieve stop in long string w/slick line. Swab in Dakota.
38. Flow well to cleanup.
39. Shut-in for AOF.



322

1 1/4" tbg @
2327'

2308'

2394'

DV @
3453

MODEL D
PKR @
2466'

4903

5020

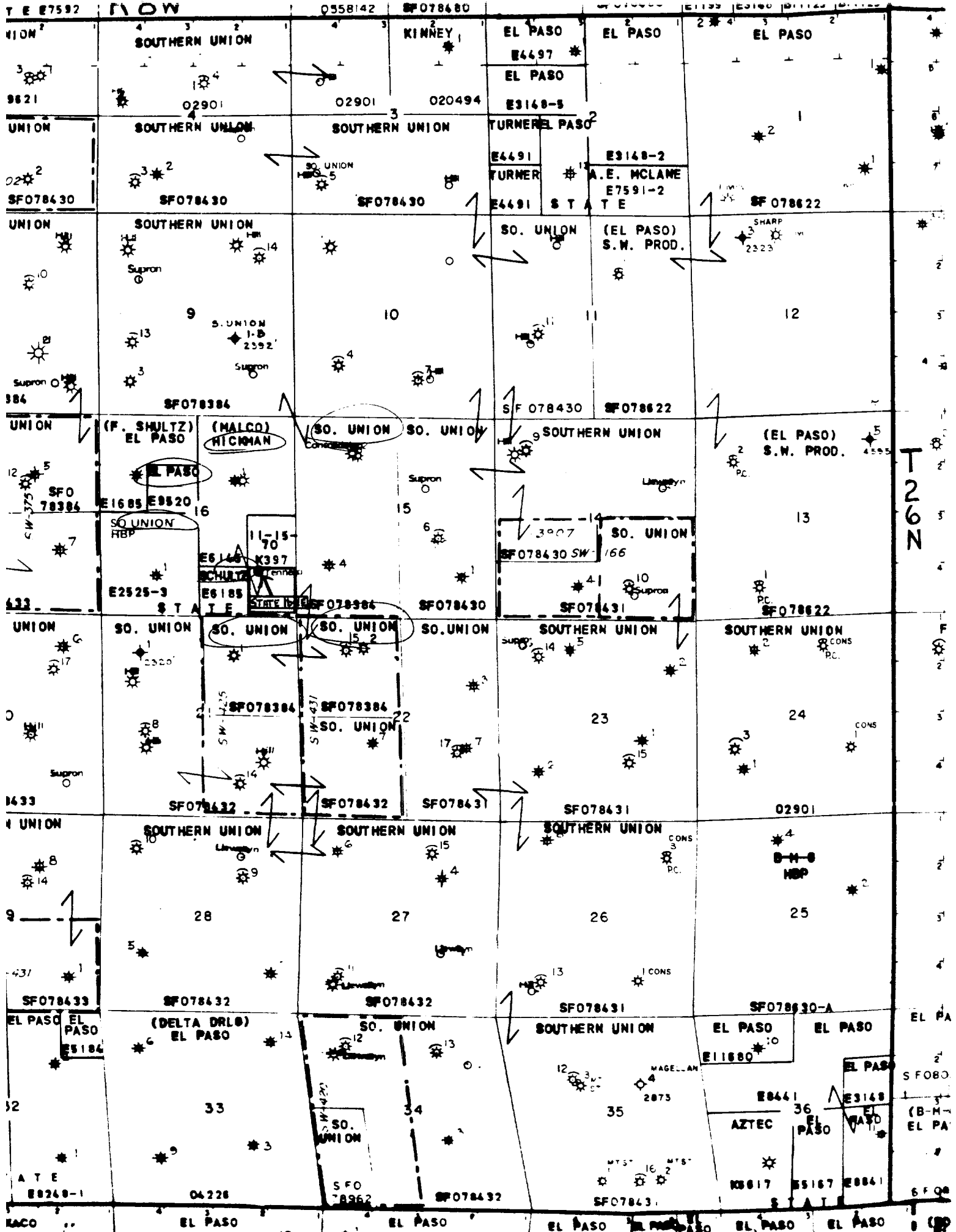
2 3/8" tbg @
6688'

6672

Dakota

6845

6973



T26N

EL PA

EL PA