

- 11/19/98** S.I. psr. 0 p.s.i., rig Bull Roger crew & csg. tools, Rig Dowell Services, ran 95 Jts. 15.5 & 113 Jts. 17#/ft. 5½" tsted. used csg., total 208 Jts. & set @ 7,340', rig down & release Bull Rodgers; Dowell cemented with 710 sxs. Lead Class "C" cmt. with 3% D-44, 16% D-20, .6% D-13 & .2% D-46; 605 sxs. tail-in cmt. Class "C" with 2% D-46, 2% M-117, .5% D-112, .2% D-65, P.D. 7:05 pm, differential psr. 2,000 psi., no cmt. circulated but near surface; set slips & S.D.F.N. @ 9:30 pm, prep W.O.C., clean location, install tbg. head & commence Abo completion.
- 11/20/98** W.O.C. 5½" csg., cut off & install Tbg. head & B.O.P.; cleaned & cleared location for completion. SDFN @ 2:00 pm.
- 11/23/98** R.I.H. with 2-3/8" tbg. & tag P.B.T.D. at 7,339', rig Dow-Sch. Service, test 5½" csg. to 500 p.s.i., no psr. decline, displ. 5½" csg. with 170 bbls. 2% Kcl. wtr., pull tbg. to 7,223' & spot 2 bbls. 15% NeFe Hcl. Acid 7,223' to 7,139', P.O.H. with 2-3/8" tbg.; rig Sch. cased hole equip. & ran P.D.C. log from 7,336' to 5000', R.I.H. with 4" H-J II Steel Carrier gun, 2 J.S.P.F., 180° phase & perforated lower Abo zone, as follows: 7,143' - 45' - 74' - 80' - 84' - 91' - 96' - 99' - 7202' - 04' - 07' - 12' - 19' & 21' (total of 28 holes); rig down Dow-Sch., R.I.H. with 5½" Arrow-set I Pkr. on 2-3/8" tbg. to est. 6,725', S.I. & S.D.F.N. @ 5:00 p.m., prep to acid stimulate perfs.
- 11/24/98** S.I.P. - slt. blow, finish R.I.H. & set pkr. @ 7,036', rig Dow/Sch., psred. C.P. - 820 p.s.i., form breaking psr. 3,100 p.s.i., pumped spot acid and 3 bbls. at 3 bbls/min. rate, T.P. - 4,800 p.s.i., I.S.I.P. - 4,000 p.s.i., swbed. well down in 3 S.R.'s with good gas show on 3rd S.R., no oil show; acidized lower Abo zone perfs. 7,143' - 7,221' with 4,500 gals. 15% Ne-Fe Hcl acid with ball sealers, avg. rate 4 bbls/min., T.P. 5,000 p.s.i., formation breaks & slt. ball action, no ball out, total load 142 bbls., I.S.I.P. - 3,700 psi, 2,207 psi. in 15 mins.; rig swb., S.I.T.P. - 1,600 p.s.i., swbed. & flowed on open 2" Tbg. 4½ hrs., rec'd. est. 48 bbls. load & acid wtr. (94 bbls. remain) with strong gas flow & show of oil, F.T.P. - 25 - 50 psi.; S.I. & S.D.F.N. @ 5:30 pm, prep to flow well to recover load & test gas vol. down sales line.

- 11/25/98** S.I.T.P. - 2,100 p.s.i. in 14 hrs., open well & flwd. down, strong gas with 1.5 bbls. load w/Tr.oil/hr., open 1" choke F.T.P. 100-50 p.s.i.; S.I. & hooked to portable test separator, S.I.T.P. 650 p.s.i. in 30 mins., connected to gas sales line & commenced flowing for test and load recovery, gas flow measurement 396 mcfgpd rate, 1" open choke, F.T.P. 50-100 p.s.i. initial flow; release W.S. crew @ 11:00 a.m. for Thanksgiving. & week-end, will continue flowing & evaluate futher treatment.
- 11/26/98** Flowed 245 mcfgpd + 13 bbls. Load, w/show oil, open 1" choke, F.T.P. - 32 p.s.i.
- 11/27/98** Flwd. 221 mcfgpd, 3 bbls. Load wtr. + 2½ bbls. oil, 1" choke, F.T.P. - 30 p.s.i. (Pulled fluid w/opening & closing choke, S.I.T.P. - 235 p.s.i. in 20 min., 10% oil, gas flw. rate 262 mcf.)
- 11/28/98** Flwd. 179 mcfgpd + 5 bbls. Load wtr. w/Tr. oil, 1" choke, F.T.P. - 28 p.s.i., cont. flwg. on 1" choke.
- 11/29/98** Flwd. 162 mcfgpd + 0 fluid, 1" choke, F.T.P. - 27 p.s.i., S.I. for 15 min. - 225 p.s.i. opened on ½" choke.
- 11/30/98** Flwd. 156 mcfgpd + 2 bbls. Load wtr. w/Tr. oil, F.T.P. - 40 p.s.i., ran swb. - F.L. 2800' F.S., scattered, rec'd. 9 bbls. Load wtr. w/Tr. oil, left flwg. on 24/64" choke, rig down W.S.U., will determine additional stimulation next week.
- 12/01/98** Flwd. 158 mcfgpd & 0 bbls. fluid, 24/64" choke, F.T.P. - 30 p.s.i.
- 12/02/98** Flwd. 161 mcfgpd + 0 bbls. fluid, 24/64" choke, F.T.P. - 29 p.s.i.
- 12/03/98** Flwd. 161 mcfgpd + 2 bbls. oil & 2 bbls. Load wtr., 24/64" choke, F.T.P. - 30 p.s.i.

12/04/98 Flwd. 158 mcfgpd + 1 bbl. oil & 1 bbl. Load wtr.,
24/64" choke, F.T.P. - 29 p.s.i.

12/05/98 Flwd. 155 mcfgpd + 1 bbl. Oil & 3 bbls. Load wtr.,
24/64" choke, F.T.P. - 29 p.s.i.

12/06/98 Flwd. 152 mcfgpd + 1 bbl. Oil & 3 bbls. Load wtr.,
24/64" choke, F.T.P. - 30 p.s.i.

12/07/98 Flwd. 149 mcfgpd + 1 bbl. Oil & 1 bbl. Load wtr.,
24/64" choke, F.T.P. - 30 p.s.i.

12/08/98 Flwd. 162 mcfgpd + $\frac{1}{2}$ bbl. Load wtr., 24/64" choke,
F.T.P. - 29 p.s.i.

12/09/98 Flwd. 142 mcfgpd + 2 bbls. Oil & 2 bbls. Load wtr.,
14/64" choke, F.T.P. - 34 p.s.i. (Rate 172 mcf)

12/10/98 Flwd. 146 mcfgpd + 2 bbls. Oil & 2 bbls. Load wtr.,
24/64" choke, F.T.P. - 30 p.s.i. (Rate 158 mcf)

12/11/98 Flwd. 138 mcfgpd + 0 fluid, 24/64" choke, F.T.P. - 29
p.s.i. (Rate 141 mcf - incr. L.P.)

12/12/98 Flwd. 138 mcfgpd + $\frac{1}{2}$ bbl. Oil & $\frac{1}{2}$ bbl. load wtr.,
24/64" choke, F.T.P. - 28 p.s.i.

12/13/98 Flwd. 136 mcfgpd, 0 fluid, 24/64" choke, F.T.P. - 28
p.s.i.

- 12/14/98** Flwd. 139 mcf/gpd, 0 fluid, 24/64" choke, F.T.P. - 28 p.s.i.; M.I. & Rig Joe's W.S.U., shut in well, rig Dow/Sch., C.P. - 800 p.s.i., re-stimulated lower Abo zone with 7,000 gals. Clear-Frac gel pad, 10,000 gals. J-42, 15% Hcl gelled retarded acid, avg. rate 14 b/m - T.P. - 6,500 p.s.i., good treatment with form. breaks, I.S.I.P. 3,700 p.s.i. - 15 mins. 3,200 p.s.i., S.I. 2 hrs. for stabilization, 470 bbls. load & acid wtr.; S.I.T.P. - 2,250 p.s.i., flwd. 30 bbls. load in 1½ hrs., swbed. 57 bbls. load & acid wtr. with tr. oil & fair natural gas in 2½ hrs., F.L. 600' to 2,400' F.S., 7 SR's, 383 bbls. load & acid wtr. remaining, S.I. & S.D.F.N. at 5:00 pm, prep to cont. load recovery & test.
- 12/15/98** S.I.T.P. - 700 p.s.i., bled well down & comm. Swbg., Swbed. total 109 bbls. L. & A. wtr. In 7½ hrs. with 2% oil cut & good gas flow, F.L. 2,000' to 6000' F.S., S.I. & hooked Porta-check with gas to sales line, left well flwg. 115 mcf/gpd - F.T.P. 25 p.s.i. on 24/64" choke, S.D.F.N. at 5:00 pm, 274 bbls. load remains.
- 12/16/98** Flwg. 167-193 mcf rate, 24/64" choke, F.T.P. - 45 p.s.i. & 28 bbls. L. & A. wtr. thru nite; conducted a series of 1 hr. S.I., release psr. & swb. to rec. fluid, sustaining a gas flow of ± 190 mcf. - F.T.P. - 30 to 50 p.s.i., F.L. 4,100' - 7,000' scattered, S.I. psr. 500 - 800 p.s.i., 11 SR's., rec'd. 19 bbls. of L. & A. wtr. with 4 - 10% oil cut, est. 225 bbls. L. & A. wtr. remain; hooked well to separator & left flowing to sales line thru nite, S.D.F.N. at 4:00 pm, prep to release W.S.U. & cont. well clean up to determine status.
- 12/17/98** Flwd. 225 mcf/gpd rate, 24/64" choke, F.T.P. - 40 p.s.i. + 9 bbls. L. & A. wtr., 5% oil cut, bled down & swbed. 3 bbls. fluid est. 5% oil cut, F.L. - 2100' - S.N. scattered, 2 SR's.; hooked to separator, rig down & released W.S.U. 10:00 am, cont. flwg. for clean up & test.
- 12/18/98** Flwg. rate 240 mcf/gpd + 12 bbls. L. & A. wtr. est. 10% oil, 24/64" choke, F.T.P. - 50 p.s.i., over-nite.
- 12/19/98** Flwd. 240 mcf/gpd, 24/64" choke, 1 bbl. oil + 11 bbls. L. & A. wtr., F.T.P. - 45 p.s.i.

- 12/20/98 Flwd. 243 mcfgpd, 24/64" choke, 1 bbl. oil + 10 bbls. L. & A. wtr., F.T.P. - 49 p.s.i.
- 12/21/98 Flwd. 242 mcfgpd, 24/64" choke, 2.5 bbls. oil + 7.5 bbls. L. & A. wtr., F.T.P. - 43 p.s.i.
- 12/22/98 Flwd. 235 mcfgpd, 24/64" choke, 2 bbls. oil + 3 bbls. L. & A. wtr. F.T.P. - 36 p.s.i. (8° temp.)
- 12/23/98 Flwd. 232 mcfgpd, 24/64" choke, 1 bbl. oil + 5 bbls. L. & A. wtr., F.T.P. - 36 p.s.i. (15° - L.P. 18 p.s.i.)
- 12/24/98 Flwd. 235 mcfgpd, 24/64" choke, ½ bbl. oil + 5 bbls. L. & A. wtr., F.T.P. - 35 p.s.i. (15°).
- 12/25/98 Flwd. 235 mcfgpd, 24/64" choke, ½ bbl. oil + 9 bbls. L. & A. wtr., F.T.P. - 34 p.s.i.
- 12/26/98 Flwd. 236 mcfgpd, 24/64" choke, 2 bbls. oil + 3 bbls. L. & A. wtr., F.T.P. - 34 p.s.i.
- 12/27/98 Flwd. 237 mcfgpd, 24/64" choke, 1 bbl. oil + 3 bbls. L. & A. wtr., F.T.P. - 34 p.s.i.
- 12/28/98 Flwd. 220 mcfgpd, 24/64" choke, 0 bbls. oil + 5 bbls. L. & A. wtr., F.T.P. - 33 p.s.i.
- 12/29/98 Flwd. 235 mcfgpd, 24/64" choke, 0 bbls. oil + 0 bbls. wtr., F.T.P. - 33 p.s.i.
- 12/30/98 Flwd. 215 mcfgpd, 24/64" choke, 1 bbl. oil + 4 bbls. L. & A. wtr., F.T.P. - 36 p.s.i., completing permanent installations of flow lines and separator to sales line and battery.
- 12/31/98 Flwd. 223 mcfgpd, 24/64" choke, 1 bbl. oil + 3 bbls. L. & A. wtr., F.T.P. 40 p.s.i.: completed surface installation with separator, S.I.T.P. - 790 p.s.i. in 4 hrs., opened to 24/64" choke.

- 01/01/99** Flwd. 203 mcfgpd, 24/64" choke, est. 3.5 bbls. L. & A. wtr., F.T.P. - 30 p.s.i.
- 01/02/99** Flwd. 209 mcfgpd, 24/64" choke, 1 bbl. oil + 3/5 bbls. L. & A. wtr., F.T.P. - 30 p.s.i., severe cold.
- 01/03/99** Flwd. 207 mcfgpd, 24/64" choke, 4 bbls. oil + 1 bbl. L. & A. wtr., F.T.P. - 32 p.s.i.
- 01/04/99** Flwd. 195 mcfgpd, 24/64" choke, 0 bbl. oil + 3.5 bbls. L. & A. wtr., F.T.P. - 30 p.s.i.
- 01/05/99** Flwd. 243 mcfgpd, 24/64" choke, 0 bbl. fluid, F.T.P. - 32 p.s.i.



NEW MEXICO ENERGY, MINERALS
& NATURAL RESOURCES DEPARTMENT

FOR RECORD ONLY
OIL CONSERVATION DIVISION
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

February 8, 1999

CW

Me-Tex Oil & Gas, Inc.
c/o Peak Consulting Services
P. O. Box 636
Hobbs, New Mexico 88241-0636
Attention: Michael L. Pierce

Administrative Order NSP-1798(L)

Dear Mr. Pierce:

Reference is made to your application on behalf of the operator, Me-Tex Oil & Gas, Inc., for a non-standard 80.78-acre gas spacing and proration unit consisting of the following acreage in the Skaggs-Abo Gas Pool:

LEA COUNTY, NEW MEXICO
TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 3: W/2 NE/4.

It is our understanding that this unit is to be dedicated to the existing J. W. Cooper Well No. 5 (API No. 30-025-34292), located at an unorthodox gas well location 604 feet from the North line and 1978 feet from the East line (Lot 2/Unit B) of Section 3.

The application has been duly filed under the provisions of Rules 104.F and 104.D(2) of the Rules and Regulations of the New Mexico Oil Conservation Division ("Division").

By the authority granted me under the provisions of Division General Rules 104.F(2) 104.D(2)(b), the above-described unorthodox gas well location and 80.78-acre non-standard gas spacing and proration unit are hereby approved.

Sincerely,

Lori Wrotenbery
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Hobbs /