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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-101
Effective 1-1-65

<p>SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO REFINISH OR REEQUIP BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO DRILL (FORM C-101) FOR SUCH PROPOSALS.)</p>		<p>5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/></p>
<p>1. Name of Operator Cities Service Company</p>		<p>5. State Oil & Gas Lease No. B-2229</p>
<p>2. Address of Operator P.O. Box 1919 Midland, TX 79702</p>		<p>7. Unit Agreement Name SMGSAU</p>
<p>3. Location of Well UNIT LETTER E, 1980 FEET FROM THE North LINE AND 660 FEET FROM THE West LINE, SECTION 29 TOWNSHIP 17S RANGE 33E NMPM.</p>		<p>8. Farm or Lease Name Tract 4</p>
<p>15. Elevation (Show whether DF, RT, GR, etc.) 4073 DF</p>		<p>9. Well No. 21</p>
<p>10. Field and Pool, or Wildcat Maljamar (G-SA)</p>		<p>12. County Lea</p>

<p>6. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data</p>			
<p>NOTICE OF INTENTION TO:</p>		<p>SUBSEQUENT REPORT OF:</p>	
<p>PERFORM REMEDIAL WORK <input type="checkbox"/></p> <p>TEMPORARILY ABANDON <input type="checkbox"/></p> <p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>OTHER <input type="checkbox"/></p>	<p>PLUG AND ABANDON <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>	<p>REMEDIAL WORK <input type="checkbox"/></p> <p>COMMENCE DRILLING OPNS. <input type="checkbox"/></p> <p>CASING TEST AND CEMENT JOBS <input type="checkbox"/></p> <p>OTHER <input checked="" type="checkbox"/> PB to 3900' set whipstock, drill new hole to 4300', log, run & cmt 5" liner, perf, acidize & convert from producer to</p>	<p>ALTERING CASING <input type="checkbox"/></p> <p>PLUG AND ABANDONMENT <input type="checkbox"/></p>
<p>7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103. water injection well.</p>			

SEE ATTACHMENT.

<p>I, hereby certify that the information above is true and complete to the best of my knowledge and belief.</p>			
<p>SIGNED E. Spaulder</p>	<p>TITLE Region Operations Mgr.</p>	<p>DATE 3/14/79</p>	
<p>PROVED BY Jerry Sexton Dist. L. Super</p>	<p>TITLE</p>	<p>DATE MAY 14 1979</p>	
<p>CONDITIONS OF APPROVAL, IF ANY:</p>			

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CHL. COMM. SEC. 11. 60771
FEB 23, 1979

ATTACHMENT OF SMGSAU TRACT 4, Well # 2, C-103, dated 3/14/79.

TD 4290', PBTD 4281'.

MIRU PU, pull rods & pump. NU BOP & pull tbgs. RIH w/6-1/8" RB & 7" csg scraper on 2-7/8" tbgs. Tagged top of liner at 3941.71'. POOH. RIH w/4-1/4" RB on 2-7/8" tbgs. Tagged fish inside liner at 4050.11'. POOH. RIH & set RTTS at 3863' w/RBP set at 3910'. Located two leaks in 7" csg. 2215- 2246' & 2278 - 2341'. POOH w/RBP & RTTS.

RIH w/EZ drill retainer at 3895'. RIH w/seal assembly. Loaded & press annulus to 2000#. PIF at 1 B/M at 4200#. Mixed & pumped 250 sx Class H w/5# salt/sx. Sqzd to max press 3000# w/233 sx in formation, 6 sx in csg below retainer & reversed out 11 sx. POOH w/seal assembly. RU & jet perf 2 0.48" sqz holes at 2350' in 7" csg. (Leaks 2215 - 2246' and 2278 - 2341'). RIH w/EZ drill retainer & set at 1962'. PIF at 4 B/M at 1800#. Cmt'd through sqz holes at 2350' w/1000 sx Class C w/3% CaCl & 3500 gals Halco Flocheck in 7 stages. Reversed out no cmt. Mixed & pumped 100 sx Class C w/3% CaCl & 4000 gals Flocheck in 8 stages. Max press 2500# w/934 sx in formation & 60 sx in csg below tool. Reversed out 6 sx. Cmt did not circulate. POOH w/seal assembly.

RU & jet perf 2 0.48" sqz holes in 7" csg. at 1135'. Set R 4 tension pkr at 1012'. Press annulus to 500#. Mixed & pumped 200 sx Class C. Cmt. Circ Closed surface valves & sqzd 5 sx. Max press 1200# w/155 sx out sqz holes 1135', left 20 sx below retainer & reversed out 25 sx. WOC 24 hrs. POOH w/seal assembly. Drilled out cmt. 735 - 1145 & 1962 - 2398'. Press tested 7" csg to 1000#/15 min - ok. Made round trip w/6-1/4" RB & 7" csg scraper in 2-7/8" tbgs to PBTD 3895'.

RIH w/whipstock & set on retainer @ PBTD 3895'. Cut window in 7" csg w/starting mill 3876- 3889.5'. Reamed window in 7" csg. 3876 - 3889.5'. RIH w/6-1/8" button bit, 9 4-3/4" DC's on 2-7/8" tbgs. Drld sidetrack hole to 4290'. RIH w/524' of 5" Hydril FJ 15# K55 liner. Set bottom of liner at TD 4290'. Set top of liner at 3766'. Cmt'd liner w/200 sx Class C w/0.5% CFR-2 & 7# salt & 3# sand/sx. Bumped plug w/2000#. Had full circ throughout job. Wtr flow shut off. POOH w/setting tool. Closed rams & press csg to 1500#. SION. 14 hr SIP 0. RIH w/6-1/4" RB, 7" csg scraper & 9 4-3/4" DC's on 2-7/8" tbgs. Tagged cmt at 2794'. Drld soft cmt 2794 - 3766'. CHC. Closed rams. Press tested 7" csg. to 1500#/15 mins -ok. POOH.

RIH w/4-1/4" drlg assembly & drl out liner top, & drl out inside lined to 4286'. CHC. Press tested to 1500#/15 mins - ok. Spotted 200 gals 10% Acetic acid 4286 - 4034'. Logger's TD 4281'. Ran GR-N, CCL, CBL 4280 - 3500'. Jet Perf w/3-3/8" jet gun 2 S/F 4144-4156, 4168 - 4182, 4194 - 4204, & 4214 - 4240'. Total 124 0.38" holes w/19.36" penetrations. Set RTTS @ 4043.65'. Acidized w/1500 gals Halco 15% Ne acid. Max 5000#, AIR 6 B/M @ 3400#. ISIP 2600#. 10 min SIP 300#. TL & T 58.5 Bbls. Waited 30 mins established INJ rate 0.5 B/M @ 3400#. Released RTTS & POH. RIH 5" pkr on 2-3/8" plastic lined tbgs & set @ 4053.53'. Tested tbgs in hole to 4000# - ok. Loaded annulus w/140 Bbls pkr fluid. Hooked up INJ system & put well on injection.

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