

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE  
(Other instructions on reverse side)

COPY TO O.C.

FOR APPROVAL  
Budget Bureau No. 42 R1424  
5. LEASE DESIGNATION AND SERIAL NO.

LC-060967

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or place a well in a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Water injection well		7. UNIT AGREEMENT NAME S.M.G.S.A.U.	
2. NAME OF OPERATOR Cities Service Company		8. FARM OR LEASE NAME Tract #1	
3. ADDRESS OF OPERATOR P.O. Box 1919 Midland, TX 79702		9. WELL NO. 1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1980' FSL & 1980' FEL of Section 30, T-17-S, R-33-E, Lea County, New Mexico		10. FIELD AND POOL, OR WILDCAT Maljamar (G-SA)	
11. SEC. T. R. M. OR BLK. AND SURVEY OR AREA Sec. 30, T-17S, R-33E		12. COUNTY OR PARISH Lea	
14. PERMIT NO.		13. STATE New Mexico	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4057' DF			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other) CO, Run liner & acidize	<input checked="" type="checkbox"/>		

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) \*

See Attachment.

RECEIVED  
MAY 25 1978

U. S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED

*E. Spiller*

TITLE Region Operations Manager

DATE 5-18-78

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

\*See Instructions on Reverse Side

ACCEPTED FOR RECORD

MAY 25 1978

U. S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

Moved in & rigged up pulling unit and bled well to pit. Tried to release Guiberson RMC-1 packer.

10/26/77

14 hr STTP 2300#. Worked stuck packer w/no success. RU Dia-Log. Ran SS in 2-3/8" EUE CL tbg. Could not get below 1775'. POOH. Ran SS in annulus between 2-3/8" EUE tbg and 5-1/2" csg. Backed off 2-3/8" EUE CL tbg at 3815'. POOH and RD Dia-Log. POOH w/tbg. Recovered 108 jts (3015'). Left 7 jts (227') and packer in hole. RTH w/OG, bumper sub, Jnr and 8 - 3-1/2" DCs. Well backflowing ARO 100 B/H.

10/27/77 14 hr SITP 2300#. Bled well down. Finished GIH w/O.S. w/ 3 - 1/16" grapple. Tagged top of fish at 3615'. O.S. did not catch - kept slipping off. POOH. RIH w/O.S. w/3" grapple. Latched onto fish at 3615'. Jarred 2 hrs w/no success.

10/28/77 14 hr SITP 2300#. Bled well down. RU Dia-Log. RIH w/SS. Logged packer at 3837'. Set off 2 string shots in body of packer. Worked stuck packer for 1-1/2 hrs. Packer still will not release. RIH w/SS, backed off cement lined tubing at 3806' (1 jt above stuck packer). RD Dia-Log. Pulled 10 jts.

10/29/77 Cutting over stuck pkr. 14 hr SITP 2300#. Bled well down. Fin POOH w/OS and fish. Rec 16 jts 2-3/8" EUE plastic coated tbg leaving 1 full jt and stuck pkr in hole. RIH w/4-3/4" Cutrite shoe, 2 jts 4-1/2" OD wash pipe, jars, BS and 8 3-1/2" DCs on 113 jts 2-3/8" EUE tbg. Tagged top of fish at 3806'. Worked over fish and went to top of pkr at 3846'. Cut over pkr 30" to btm of top slips.

10/30/77 14 hr SITP 2300#. Bled well down. POOH w/shoe and WP. RIH w/4-11/16" OS w/3" grapple, jars, bumper sub and 8 3-1/2" DCs on 2-3/8" EUE tbg. Latched on to fish at 3806'. Jarred 4 times. Fish parted. POOH. Rec 15' of 2-3/8" EUE PCd tbg leaving body looking up. RIH w/4-11/16" OS w/Cutrite control and 2-1/4" grapple, jars, bumper sub and 8 3-1/2" DCs on 2-3/8" EUE tbg.

11/1/77 14 hr SITP 2300#. Bled well down. Fin GIH w/4-11/16" OS. Latched on to 2-3/8" tbg fish at 3821' (top of stuck pkr at 3846'). Jarred 5 times. Fish parted. POOH. Rec piece of 2-3/8" tbg 7' - 10' long, leaving body looking up. Top fish at 3828'. WIH w/4-3/4" CR shoe, 1 jt 4-1/2" WP, jars, BS and 8 3-1/2" DCs on 2-3/8" EUE tbg.

11/2/77 14 hr SITP 2300#. Fin GIH w/cutrite shoe, jt wash pipe, jars, BS, 8 3-1/2" DCs on 2-3/8" tbg. Tagged at 3848.6'. Cut over pkr 10" to 3849.4'. CHC. Rec metal, rubber and scale.

11/3/77 14 hr SITP 2300#. POOH w/wash pipe. RIH w/OS, BS, jars and 8 3-1/2" DCs on 2-3/8" tbg. Latched on to fish at 3828.19'. Tripped jars 1 time and came free. POOH. Rec 1 2' piece 2-3/8" tbg. Top of fish at 3830.19' w/body looking up. RIH w/OS w/3-1/16" grapple, 8' extension, BS, Jars, 8 3-1/2" DCs 2-3/8" EUE tbg. Latched on to fish (collar on top of pkr). Tripped jars 5 times and came free. Pulled 1 std.

11/4/77 14 hr SITP 2300#. Finished POOH. Recovered 2' piece of 2-3/8" EUE tbg and top part of pkr 2' - 9" long. Left 2' - 11" of pkr body in hole. RIH w/4-3/4" x 3-1/4" CR shoe, 1 jt 4-1/2" WP and 8 3-1/2" DCs on 2-3/8" EUE tbg. Tagged at 3846'. Drld 1' to 3847'. Pulled 1 std.

11/5/77 14 hr SITP 2300#. Bled well down to pit. Cut over pkr 4" to 3847.5' in 2-1/2 hrs. Mill quit going. POOH w/Milling assembly. Shoe worn out. RIH w/new 4-3/4 x 3-1/4" Cutrite shoe, 1 jt 4-1/2" WP and 8 3-1/2" DCs on 2-3/8" EUE tbg.

11/8/77 POOH w/fish. 14 hrs SITP 2300#. Bled well down. RIH w/ 4-3/4" x 3-1/4" Cutrite shoe, 1 jt 4-1/2" WP and 8 3-1/2" DCs on 2-3/8" EUE tbg. Tagged at 3847.4'. Cut over pkr 6" in 3 hrs. Pkr came loose. Pulled to 3841'. Packer stuck. Milled 45 minutes. Pkr came loose. Pulled to 3835'.

11/9/77 14 hr SITP 2300#. Bled well down. Fin POOH. Recovered rest of pkr body (2' - 11"). RIH w/4-3/4" RB, jet sub, 8 3-1/2" DCs and 6 jts 2-7/8" DP on 2-3/8" EUE tbg. Tagged at 4165'. Picked up into csg.

11/10/77 Cleaning out shot hole at 4120'. 14 hr SITP 2300#. Bled well down. RIH to 4145. Jetted for 10 min at 1000# 4095-4120. Tagged @ 4133 (12' fill) C&CH to 4120. Pulled into casing and SION. Recovering hard gray dolomite in returns.

11/11/77 14 hr SITP 2300#. Bled well down. Jetted 4050-4120' w/1000#/ 10 mins. Tagged at 4110' (10' fill). Drld conventional 4110-4157' getting no cuttings back. C&CH 1 hr. PU into csg.

11/12/77 CO shot hole at 4130'. 14 hr SITP 2300#. Bled down. POOH w/4-3/4" HTC J7 bit w/3/4" opening. RIH w/4-3/4" Walker McDonald bit w/1-1/4" opening, bit sub, 8 3-1/2" DCs and 6 jts 2-7/8" DP on 2-3/8" EUE tbg. Tagged at 4120'. CO w/reverse circ to 4130' w/bit plugging badly. Recovered approx 20 gals Dolomite.

11/13/77 14 hr SITP 2300#. Bled down. Ran back to 4120' (10' fill). Drilled ahead conventional w/full circulation but no cuttings in returns 4120-64'. Bit stuck. Worked loose in 1 hr. Pulled 2 stds. Ran back and tagged at 4120' (44' fill). Cleaned out w/reverse circulation 4120-30'. w/bit plugging badly. Recovered approx 5 gals Dolomite w/reverse circulation. Wtr flow is extremely heavy.

11/14/77 44 hr SITP 2300#. Bled well down and POOH w/drilling assembly. RIH w/RTTS on 116 jts 2-3/8" EUE tbg. Set at 3600'. PIF at 5 B/M at 2200#. Mixed and pumped 200 sx Class C w/4% gel, 5# Gilsonite, 1/4# Flocele followed by 150 sx Class C w/0.3 of 1% CFR-2, 3# salt and 2% CaCl. Max 4000# (walking squeeze). Got 270 sx in formation, left 30 sx in csg. Reversed out 50 sx. Released RTTS. Pulled 10 stds. Reset RTTS. Press'd tbg to 300# and csg to 500#.

11/16/77 Bled off press. Released RTTS and POOH. RIH w/4-3/4" RB, 8 3-1/2" DCs and 6 jts 2-7/8" DP on 101 jts 2-3/8" EUE tbg. Tagged cmt at 3576'. Press csg to 500# - ok. Drld 208' hard cmt 3576-3784'. C&CH.

11/17/77 Drld hard cmt 3784-3989' (205' in 10 hrs) 2/4-3/4" RB. C&CH. Pulled into csg.

11/18/77 14 hr SITP 1000#. Bled down. Drld cmt 3989-3994'. (5'). C&CH. SD pump to observe wtr flow. Had 1" stream of wtr. 20 min SITP 80#. Made BT. Ran 4-3/4" HTC J7 rock bit, jet sub, 8 3-1/2" DCs and 6 jts 2-7/8" DP on 2-3/8" EUE tbg. Drld cmt 3994-4020' and formation 4020-4967'. Wtr flow increasing. Pulled into csg.

11/19/77 Prep to resqueeze wtr flow. 14 hr SITP 2300#. Bled Down. RIH. Tagged at 4067'. Drld formation w/reverse circ 4067-4082' (15') Bit started plugging.

11/20/77 14 hr SITP 2300#. Bled down. RIH w/RTTS on 116 jts 2-3/8" EUE tbg. Set RTTS at 3600'. Press annulus to 500# - ok. PIF at 3 B/M at 2700#. Mixed and pumped 200 sx Class C w/4% gel, 5# Gilsonite and 1/4# Flocele followed by 150 sx Class C w/0.3 of 1% CFR-2, 3# salt and 2% CaCl (total 350 sx). Max 3700#. Got 300 sx in formation. Left 50 sx in csg below tool. Left 2800# on tbg and 500# on csg. Did not reverse out.

11/22/77 14 hr SITP 2800#. Bled down and POOH. WIH w/4-3/4" RB, jet sub 8 3-1/2" DCs, 6 jts 2-7/8" Amer OH DP on 108 jts 2-3/8" EUE tbg. Tagged cmt at 3874'. Press to 500# - ok. Drld hard cmt 3874-3970'.

11/23/77 Drld cmt 3970-4045' and bit fell free and got wtr flow. Drld formation reverse 4045-4071' recovering form cuttings. PU into csg.

11/24/77 SITP 2000#. Bled well down. Drld 4071-4083'. Rec form cuttings.

11/26/77 CO in shot hole. SITP 2000#. Bled well down. WIH w/drlg assembly and new 4-3/4" RB. Drld from 4083-4103'. PU into csg.

11/27/77 SITP 2200#. Bled well down. Tagged at 4102' w/bit 1' fill. Drld from 4103-4132' rec form. CHC & PU into csg.

11/29/77 44 hr SITP 2200#. Bled well down. Tagged w/RB at 4132'. No fill. Drld 4132-4150'. Good returns.

11/30/77 14 hr SITP 2200#. Bled well down. SI.

12/1/77 14 hr SITP 2200#. Bled down. POOH to change bit. RIH w/new 4-3/4" HTC J7 rock bit, jet sub, 8 3-1/2" DCs and 6 jts 2-7/8" DP on 2-3/8" EUE tbg. Reamed 4120-4150'. Drld 4150-4162' in 6 hrs. Heavy wtr backflow.

12/2/77 14 hr SITP 2200#. Bled well down. Ran back w/4-3/4" RB. Tagged at 4162'. No fill. Drld and CO shot hole 4162-4180' w/reverse circ.

12/3/77 CO shot hole at 4193'. 14 hr SITP 2200#. Bled well down. Ran back w/4-3/4" RB. Tagged at 4177'. CO and drld 4177-4193'. Pulled into csg.

12/4/77 CO shot hole at 4240'. 14 hr SITP 2200#. Bled well down. RIH w/4-3/4" HTC J55 RB, 16 3-1/2" DCs and 6 jts 2-7/8" DP on 2-3/8" EUE tbg. Tagged at 4193'. Drld and CO 4193-4240'. Recovering Dolomite in returns.

12/5/77 14 hr SITP 2200#. Bled well down. RIH w/4-3/4" RB. Tagged at 4239'. Drld and CO 4239-4282'. Pulled into csg.

12/6/77 14 hr SITP 2200#. Bled well down. Ran back w/4-3/4" RB. Tagged at 4282'. RU Welex.

12/7/77 14 hr SITP 2200#. Bled well down. PU 4" lnr and RIH:

1 - 4" BOT type V shoe	.93
1 - 4" BOT type 1 landing collar	.57
14 - jts 4" OD 11.34# K55 Hydril FJ lnr	528.04
1 - X-over	.68
1 - 4" BOT Hyflo HD hanger pkr combina-	10.58
tion	<u>540.80</u>

Used BOT type C2 setting tool. Top lnr at 3740.20'. Btm lnr at 4281'. Broke circ w/25 BW at 500#. Cmt'd w/125 Class C w/0.5 of 1% CFR2 and 7# salt/sack. Max 1800#. Bumped plug w/1800#. Reversed out 45 sx to pit. Pulled 10 stds.

12/8/77 Prep to DO cmt. POOH w/lnr setting tools and tbg. RIH w/4-3/4" RB, 5-1/2" csg scraper and 2 3-1/2" DCs on 2-3/8" EUE tbg to 3500'.

12/9/77 14 hr SITP 0. Fin RIH w/4-3/4" RB, 5-1/2 csg scraper and 2 3-1/2" DCs on 2-3/8" EUE tbg. Tagged top of lnr at 3740'. Press tested top of lnr to 500#. Shut pump down. Press increased to 2200# and well started flwg 1/2" stream of wtr. POOH. RIH w/3-1/8" RB on 2-3/8" EUE tbg. Ran inside lnr to PBTD 4280'.

12/10/77 WOC. 14 hr SITP 2200#. Bled well down. RIH w/RTTS on 116 jts 2-3/8" EUE tbg and set pkr at 3591'. Press annulus to 1000# - ok. Could not PIF at 3000#. Released press. Jet perf 4 sqz holes in 4" lnr 3938-3940' w/1-9/16" through tbg perforator. Wtr flow increased from 1/2" stream to full 2" stream when gun was fired. Left sinker bar, gun, collar locator and magnetic decentralizer in hole (12-1/2'). RU Halco. PIF at 2 B/M at 3500#.

12/10/77 Cont. Mixed and pumped 150 sx Class C w/.3% CFR 2 and 3# salt/sx. Max press 3500# w/128 sx in formation and 22 sx below tool in csg. Did not reverse out. Left 3500# on sqz.

12/11/77 12 hr SITP 3500#. Released RTTS and POOH. WIH w/4-3/4" RB, 5-1/2" csg scraper and 2 3-1/2" DCs on 2-3/8" EUE tbg. Tagged cmt at 3625'. Drld green cmt 3625-3635'. Pulled up into csg.

12/13/77 44 hr SITP O. Ran back w/4-3/4" RB and drlg assembly. Tagged cmt at 3635'. Drld hard cmt 3635-3730'. C&CH. Picked up off btm 3 stds.

12/14/77 14 hr SITP O. Ran back w/4-3/4" RB and drlg assembly. Drld hard cmt. RIH w/3-3/8" RB, 1 2-3/8" EUE x 6' tbg sub, 1 5-1/2" csg scraper on 2-3/8" EUE tbg. Drld 6' pilot hole into top of lnr. PU 4 stds.

12/15/77 14 hr SITP O. Drld hard cmt w/3-3/8" RB 3780-3942' and stringers 3942-4015'. Fell free and washed down to 4200'. Closed rams and press tested sqz job to 500#/15 mins - ok. POOH.

12/16/77 RU RIH w.OS on WL. Latched onto fish at 4268' and POOH. Recovered entire fish consisting of 1-9/16" through tbg perforator, collar locator, magnetic decentralizer and sinker bar.

12/18/77 RU Welex. Jet perf Premier sand w/2 S/F using 2" Side Winder jet gun 4197-4209', 4214-4230' and 4240-4249'. Total 74 0.36" holes w/7.87" penetration. RIH w/tbg as follows:

1 - jt 2-3/8" EUE 8R J55 tbg OEd	31.77
1 - 4" Halco RTTS	5.10
128 - jts 2-3/8" EUE 8R J55 tbg	3963.19
Tally	4000.06
KBM	10.00
TP at	4010.06

Set pkr at 3978'. Could not PIF at 2600#. Released RTTS and lowered TP to 4258'. Spotted acid across perfs and reset pkr at 3978'. Acidized w/1000 gals 15% Ne. Max press 3200#, AIR 1/4 B/M. TL&T 56 BLW. ISIP 3200#. Swbd 14 BLW in 1-1/4 hrs lowering FL from surface to 3000'. 42 BLWTR.

11/20/77 44 hr SITP 2500#. Bled to 0 in 2 mins. Swbd 42 BLW and 41 bbls formation wtr in 10 hrs lowering FL surface to 4000', 800' fluid entry/hr.

12/21/77 12 hr SITP 2500#. Bled down to pit. Acidized w/5000 gals 15% Ne acid w/additives and 125 7/8" RCNCBs. Max press 4000#, min 3100#, AIR 2.5 B/M, ISIP 2900#, 15 min SIP 2500#. TL&T 140 bbls (120 acid and 20 flush). Fair ball action but did not ball out. Opened to pit and flwd 550 BW in 5-1/2 hrs. FTP 50# on 2" line.

12/22/77 12 hr SITP 2500#. Bled down to pit. RU HOWCO and established inj rat at 1/4 B/M at 2500#. Released RTTS and pulled 2" EUE tbg work string.

12/23/77 SITP 2500#. Bled down. Ran Inj tbg as follows:

1 - 4" Guiberson Unipkr VI plastic coated	6.15
131 - jts 2-7/8" EUE J55 4.7# 8 rd PL tbg	<u>4031.73</u>
Total Tally	4037.88

Set pkr at 4038' in 10 pts compression. ND BOP & NU WH.

12/24/77 Inj into Premier Sd 4197-4249', hooked up wtr inj line. Inj wtr at 700 B/D at 2300#.