

Cities Service Oil Co. #203  
SE/4-SE/4 Sec 26-1wp 9N-R 27E  
Apache County No Permit 1-1

P.W.

County Apache  
Area Springerville  
Lease No. 6462

Well Name Cities Service Oil Company State #203 Strat  
Location SE SE Sec 26 Twp 9N Range 27E Footage 100 FSL; 250 EEI  
Elev 7681 Gr KB Spud 7-26-62 Complete 8-5-62 Total 1193  
Date 7-26-62 Abandon 8-5-62 Depth 1193  
Contractor: \_\_\_\_\_ Approx. Cost \$ \_\_\_\_\_

Drilled by Rotary  Cable Tool \_\_\_\_\_  
Casing Size None Depth \_\_\_\_\_ Cement \_\_\_\_\_  
Production Horizon \_\_\_\_\_  
Initial Production D & A

REMARKS: Lost circulation from 300-1000'

Elec. Logs Elec (2) Sample Log \_\_\_\_\_  
Sample Descript   
Applic Plugging Completion Report  Sample Set \_\_\_\_\_  
to Plub Record  Report  Cores \_\_\_\_\_

Water well - accepted by Milfred A. Hall

Bond Co. Insurance Company of North America M248117  
& No. \_\_\_\_\_ Date \_\_\_\_\_

Bond Am't \$ 10,000 Cancelled 11-18-63 Organization Report

Filing Receipt \_\_\_\_\_ dated \_\_\_\_\_ Well Book  Plat Book

API # 02-001-05002 Loc. Plat  Dedication E/2 SE/4 Sec. 26

PERMIT NO. None Date Issued \_\_\_\_\_

#1-1

**WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG**

DESIGNATE TYPE OF COMPLETION:

New Well  Work-Over  Deepen  Plug Back  Same Reservoir  Different Reservoir  Oil  Gas  Dry

DESCRIPTION OF WELL AND LEASE

Operator **Cities Service Oil Company** Address **P. O. Box 760, Roswell, New Mexico**

Lease Name **State Lease 6462** Well Number **203 STRAT** Field & Reservoir **Wildcat**

Location **100' FSL & 250' FEL of Section 26, T-9-N, R-27-E** Sec.—TWP-Range or Block & Survey

County **Apache** Permit number \_\_\_\_\_ Date Issued \_\_\_\_\_ Previous permit number \_\_\_\_\_ Date Issued \_\_\_\_\_

Date spudded **7-26-62** Date total depth reached **8-5-62** Date completed, ready to produce \_\_\_\_\_ Elevation (DF, RKB, RT or Gr.) **7681** feet Elevation of casing hd. flange \_\_\_\_\_ feet

Total depth **1193'** P.B.T.D. \_\_\_\_\_ Single, dual or triple completion? \_\_\_\_\_ If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion \_\_\_\_\_ Rotary tools used (interval) **Surface to 1193'** Cable tools used (interval) \_\_\_\_\_

Was this well directionally drilled? **No** Was directional survey made? \_\_\_\_\_ Was copy of directional survey filed? \_\_\_\_\_ Date filed \_\_\_\_\_

Type of electrical or other logs run (check logs filed with the commission) **Widco - S.P. Resistivity** Date filed \_\_\_\_\_

**CASING RECORD**

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
<b>No casing</b>						

**TUBING RECORD**

**LINER RECORD**

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.	in.	ft.	ft.	ft.	

**PERFORATION RECORD**

**ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD**

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval

**INITIAL PRODUCTION**

Date of first production \_\_\_\_\_ Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
			bbls.	MCF	bbls.	* API (Corr)

Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
			bbls.	MCF	bbls.	

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I ~~was~~ **am** a Development Geologist

With **Cities Service 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.

Date \_\_\_\_\_ Signature **P. K. Hurlbut**

**STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION**  
Well Completion or Recompletion Report and Well Log  
Form No. P-7 File two copies  
Authorized by Order No. **4-6-59**  
Effective **April 6, 19 59**

*No permit*

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Basalt	0	325	
Tertiary	325	844	Shale & sand, some conglomerate.
Cretaceous	844	1193	Sand & shale.

\* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

OIL AND GAS CONSERVATION COMMISSION

STATE OF ARIZONA  
3500 N. CENTRAL AVE. SUITE 221  
PHOENIX 12, ARIZONA

ABANDONED WELL TRANSFER FORM

To the ~~STATE OF ARIZONA~~ OIL AND GAS CONSERVATION COMMISSION

This is to advise you that I accept the abandoned wildcat well,  
known as the Cities Service #203 Strat test, located on the  
SE/4 SE/4 SE/4 of Section 26, Township 9 N.,  
( 1/4 1/4 1/4 )  
Range 27 E., as a water well to be used for domestic purposes.  
Further, that I accept full responsibility for the proper maintenance  
of the well in compliance with the provisions of Arizona Revised  
Statutes Title 27, Chapter Four, Articles 1 and 2.

Wilford A Hall  
(Signature)

Box 256  
(Street)

Eagar Arizona  
(City) (State)

Date: August 26, 1962

(This form is to be filed in duplicate.)

*No permit*

**PLUGGING RECORD**

Operator <b>Cities Service Petroleum Company</b>		Address <b>P. O. Box 760, Roswell, New Mexico</b>	
Name of Lease <b>State Lease 6462</b>		Well No. <b>203</b>	Field & Reservoir <b>Sikat Wildcat</b>
Location of Well <b>100' FSL &amp; 250' FEL of Section 26, T-9-N, R-27-E</b>		Sec-Twp-Rge or Block & Survey	County <b>Apache</b>
Application to drill this well was filed in name of	Has this well ever produced oil or gas <b>No</b>	Character of well at completion (initial production): Oil (bbls/day) _____ Gas (MCF/day) _____ Dry? <b>Yes</b>	
Date plugged: <b>8-5-62</b>	Total depth <b>1193'</b>	Amount well producing when plugged: Oil (bbls/day) _____ Gas (MCF/day) _____ Water (bbls./day) _____	
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.
<b>Tertiary</b>	<b>Possible fresh water sand zone</b>	<b>732-824'</b>	<b>left open</b>
<b>Cretaceous</b>		<b>844-1193'</b>	<b>Set 6 sax cement 900'</b>

**CASING RECORD**

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped etc)	Packers and shoes
<b>None</b>					

Was well filled with mud-laden fluid, according to regulations? **Yes** Indicate deepest formation containing fresh water. **824'**

**NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE**

Name	Address	Direction from this well:
<b>Cities Service Oil Co.</b>	<b>Bartlesville, Oklahoma</b>	<b>North</b>
<b>Cities Service Oil Co.</b>	<b>Bartlesville, Oklahoma</b>	<b>South</b>
<b>Cities Service Oil Co.</b>	<b>Bartlesville, Oklahoma</b>	<b>East</b>
<b>Cities Service Oil Co.</b>	<b>Bartlesville, Oklahoma</b>	<b>West</b>

In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.

**Surface owner Milford A. Hall; See attached letter.**

Use reverse side for additional detail  
File this form in duplicate with the State of Arizona Oil & Gas Conservation Commission

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am ~~the~~ **a Development Geologist** with **Cities Service 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.

Date

Signature **P. K. Hurbut**

**STATE OF ARIZONA OIL & GAS  
CONSERVATION COMMISSION**

Form No. P-15  
Authorized by Order No. \_\_\_\_\_

Plugging Record File two copies

4-6-59

Effective April 6, 19 59

*400 permit*

Arizona Strat. Hole #203  
(Springerville Area)  
Sec. 26, 19N - R27E, 100'/FSL and 250'/FEL  
Elevation 7681'

Drilling 4 3/4" hole with drilling mud.

0-150 Basalt, m-dk gry, dse-v.f. xln, hd, vesicular in pt., occ. phenocryst of olivine, w/occ. cinder zones of red & blk, v. vesicular basalt, often lost circulation associated with cinder zones.

150-190 Basalt as above w/abd cinder and soil zones; soil, red brn., silty, unconsol.

Drilled without returns from 190' - 420'  
Air compressor used from 214' - 420'

Hole packed with cottonseed hulls and redrilled  
Circulation regained w/mud.

420-430 Ss., pk-org., v.f-f.gn., v. shly, dom. qts, sub ang., poor sorting, poorly consol., no vis por.

No returns from 430' to 447', interval drilled w/both air and mud.  
@ 447' hole was cemented with 25 sacks cement

Hole redrilled and circulation re-established with mud.

447-493 sh, orange, pk, m. sft., silty, trc lt. grn., v. calc.

493-540 ss. & sh interbed; ss. m. gry, v.f.gn, v. shly, m. firm, dom. qts, w/minor blk. gns, calc., no vis. por.; sh. as above, sdy in pt.

540-550 ss. & sh interbed as above w/occ beds of crs. ss. loose, dom. cht., qts, also rk. frags, sub. ang.

550-661 sh. pk-orange, sft, silty, sli sdy in pt, v. calc.

661-670 ss & sh interbed w/occ beds of crs ss as 540-550

670-730 sh, pk-orange, sft, silty & sdy, calc., w/occ ss. beds gry-pk. v.f.gn, shly, calc.

730-837 cong. & interbed. sh.; cong., varied in color, loose frags., crs. gn-boulders, qtsite, cht, qts, ls, and igneous & met. rk. frags., sub rd-ang., poor sorting; sh, orange, m. firm v. silty, calc. (sh zones appear in zones from 750-800, 807-811)

No permit

Arizona Strat. Test #203

-2-

837-844 sh, orange, pk, silty calc. m. sft.

844-878 sh. & ss. interbed. & gradational, lt gry, gry-grn, ss is v.f.gn, shly, friable; sh is sndy, silty m. sft.; trc glauc., trc mica (trc. brn hd silicious siltstone at 875')

Lost circulation @ 878' - No returns to 890'

890-894 Siltstone, dk. grn, gry, m. firm, shly.

894-904 ss. lt-m. gry, v.f.-f. gn, dom qtz, ang, shly, calc, w/abd. blk. carbon flecks

904-910 sh., lt gry, sft., sli. calc.

910-925 sh. w/interbed ss.; sh. lt gry-grn, sft-m. sft., calc.; ss lt gry-grn, f.-v.f. gn, v. shly, m. firm, dom. qtz, ang, also mica

925-946 ss. lt grn, v.f.gn, shly in pt., m. firm to friable, calc., dom. qtz., w/blk carbon flecks

946-950 ss., orange-red, m. gn, dom qtz, sub. ang., poor sorting, friable, iron stn., poss. poor por.

950-962 ss. lt gry, lt grn, v.f.gn, qtz, m. firm, well sorted, ang., faint trc. glauc., no vis por.

962-999 sh. lt gry, sft, v. sndy (sd f. gn. qtz.) trc lt yel below 980'

@ 999' lost circulation - Regained circulation @ 1002'

1002-1017 sh., lt-m. gry, gry-grn, m. firm, sndy in pt.

1017-1023 ss. lt gry, m. gn, qtz, sub. rd., occ. blk, orange to grn gns., well cemented, v. calc,

1023-1047 ss. as above and sh. interbed; sh. m. gry, sft

1047-1059 sh. lt gry, sft., v. sndy, v.f.gn., sli calc.

1059-1070 ss. lt gry, v.f.-m.gn., qtz. sub. ang.-sub.rd., occ gn of blk, orange, grn, min., friable-well cemented, no vis por., shly in pt

1070-1096 ss. w/minor sh., ss. as above; sh. grn-gry, m. firm, v. silty, calc

Only partial circulation from 1050' - losing mud @ approx 300'

Ran logs.

Mud data - Res. 2.5 at 620

1. Gamma Ray 0 - 1096'
2. S.P. - Res 0 - 1096'

No permit

Arizona Strat. Hole #203

-3-

Drilling with partial returns

- 1096-1138 sh., blu. grn, sft-m. firm (very poor samples) trc aragonite below 1127' (approx.)
- 1138-1140 cool blk. shly
- 1140-1155 (very poor samples sh. grn-gry, n. firm may be mostly cavings
- 115-1169 ss lt-m gry, v.f.gn, dom. qts, well sorted, well cemented, calc, w/pyrite, blk. carbon flecks, no vis por.
- 1169-1192 ss. as above, w/brn calcite shell frags., v. calc, harder than above, trc glauc. no vis por. (poss interbed sh poor samples

No returns - complete loss of circulation

Ran logs - Fluid level 338'

1. SP - Res. 0' - 1190'
2. Gamma Ray 0' - 1100'

Plugged w/6 sacks cement @ 900'

Remainder of hole left open at surface owners request.

Abandoned August 5, 1962.

*No permit*

Arizona Strat. Hole #203  
(Springerville Area)  
Sec. 26, T9N - R27E, 100'/FSL and 250'/FEL  
Elevation 7681'

Drilling 4 3/4" hole with drilling mud.

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No returns from 430' to 447', interval drilled w/both air and mud.  
@ 447' hole was cemented with 25 sacks cement

Hole redrilled and circulation re-established with mud.

447-493 sh, orange, pk, m. sft., silty, trc lt. grn., v. calc.

493-540 ss. & sh interbed; ss. m. gry, v.f.gn, v. shly, m. firm, dom. qtz, w/minor blk. gns, calc., no vis. por.; sh. as above, sndy in pt.

540-550 ss. & sh interbed as above w/occ beds of crs. ss. loose, dom. cht., qtz, also rk. frags, sub. ang.

550-661 sh. pk-orange, sft, silty, sli sndy in pt, v. calc.

661-670 ss & sh interbed w/occ beds of crs ss as 540-550

670-730 sh, pk-orange, sft, silty & sndy, calc., w/occ ss. beds gry-pk. v.f.gn, shly, calc.

730-837 cong. & interbed. sh.; cong., varied in color, loose frags., crs. gn-boulders, qtzite, cht, qtz, ls, and igneous & met. rk. frags., sub rd-ang., poor sorting; sh, orange, m. firm v. silty, calc. (sh zones appear in zones from 750-800, 807-811)

Arizona Strat. Test #203

-2-

837-844 sh, orange, pk, silty calc. m. aft.

844-878 sh. & ss. interbed. & gradational, lt gry, gry-grn, ss is v.f.gn, shly, friable; sh is sndy, silty m. aft.; trc glauc., trc mica (trc. brn hd silicious siltstone at 875')

Lost circulation @ 878' - No returns to 890'

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894-904 ss. lt-m. gry, v.f.-f. gn, dom qtz, ang, shly, calc, w/abd. blk. carbon flecks

904-910 sh., lt gry, sft., sli. calc.

910-925 sh. w/interbed ss.; sh. lt gry-grn, sft-m. aft., calc.; ss lt gry-grn, f.-v.f. gn, v. shly, m. firm, dom. qtz, ang, also mica

925-946 ss. lt grn, v.f.gn, shly in pt., m. firm to friable, calc., dom. qtz., w/blk carbon flecks

946-950 ss., orange-red, m. gn, dom qtz, sub. ang., poor sorting, friable, iron stn., poss. poor por.

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962-999 sh. lt gry, sft, v. sndy (sd f. gn. qtz.) trc lt yel below 980'

@ 999' lost circulation - Regained circulation @ 1002'

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1017-1023 ss. lt gry, m. gn, qtz, sub. rd., occ. blk, orange to grn gns., well cemented, v. calc,

1023-1047 ss. as above and sh. interbed; sh. m. gry, sft

1047-1059 sh. lt gry, sft., v. sndy, v.f.gn., sli calc.

1059-1070 ss. lt gry, v.f.-m.gn., qtz. sub. ang.-sub.rd., occ gn of blk, orange, grn, min., friable-well cemented, no vis por., shly in pt

1070-1096 ss. w/minor sh., ss. as above; sh. grn-gry, m. firm, v. silty, calc

Only partial circulation from 1050' - losing mud @ approx 300'

Ran logs.

Mud data - Res. 2.5 at 620

1. Gamma Ray 0 - 1096'
2. S.P. - Res 0 - 1096'

*The permit*

Arizona Strat. Hole #203

-3-

Drilling with partial returns

1096-1138 sh., blk. grn, sft-m. firm (very poor samples) too argonite below 1127' (approx.)

1138-1140 cool blk. shly

1140-1155 (very poor samples sh. grn-gry, n. firm may be mostly cavings)

115-1169 ss lt-m gry, v.f.grn, dom. qtz, well sorted, well cemented, calc, w/pyrite, blk. carbon flecks, no vis por.

1169-1192 ss. as above, w/brn calcite shell frags., v. calc, harder than above, too glauc. no vis por. (poor interbed sh poor samples)

No returns - complete loss of circulation

Ran logs - Fluid level 338'

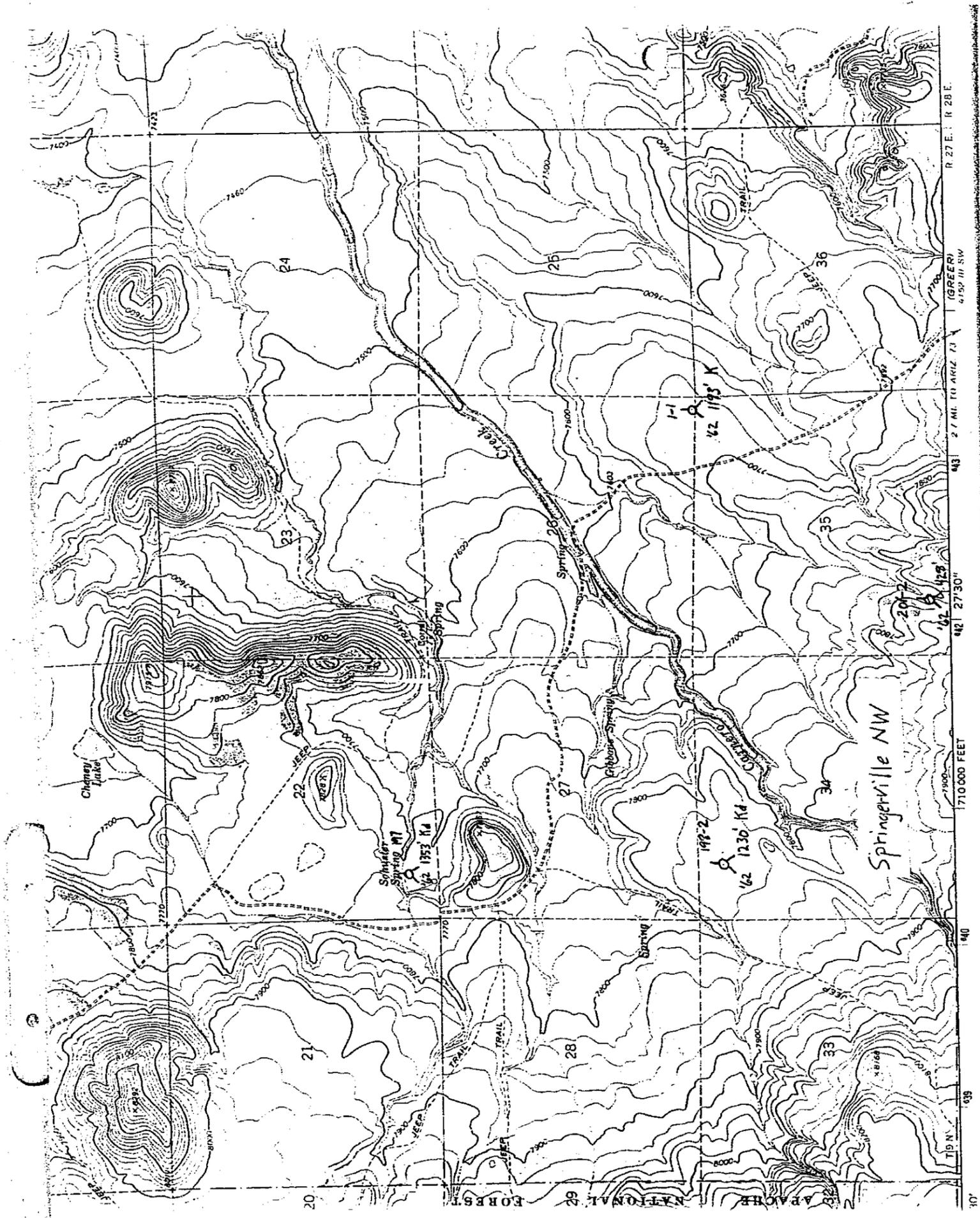
1. SP - Res. 0' - 1190'
2. Gamma Ray 0' - 1100'

Plugged w/6 sacks cement @ 900'

Remainder of hole left open at surface owners request.

Abandoned August 5, 1962.

*no permit*



November 18, 1963

Mr. E. A. Springer  
Land and Lease Department  
Cities Service Oil Company  
Bartlesville, Oklahoma

Re: Release of Surety  
Oil & Gas Bond  
Blanket Drilling  
Bond, etc.

Dear Mr. Springer:

It is with pleasure we release your above captioned bond in regard to the requirements of paragraph 101 "Bond", since the Rules and Regulations of this Commission are satisfied.

It was unfortunate that your operation occurred at a time when the change over in rules requiring permits on strat tests was happening and a misunderstanding took place.

It is hoped you'll pursue some more operations in Arizona in the future.

Yours truly,

John K. Petty  
Acting Executive Secretary

JEP:lj

NOTE: Bond Serial No. M 24 81 17  
Bond in the following file:  
"Cities Service Petro - Collar #201.  
SW SW Sec. 22-T9N-R27E, Apache County"

permit



**CITIES SERVICE OIL COMPANY**

P. O. BOX 760, ROSWELL, NEW MEXICO

August 14, 1963

Oil and Gas Conservation Commission  
Room 202 - 1624 West Adams  
Phoenix 7, Arizona

Attention: Mr. John K. Petty

Dear Sir:

We are enclosing the following information pertaining to stratigraphic tests drilled in the State of Arizona:

Strat Test No. 202

Two copies of Form P-15, Plugging Record  
Two copies of Form P-7, Well Completion and Well Logs  
Two copies of Sample Description  
Two copies of Abandoning Well Transfer Form

Strat Test No. 203

Two copies of Form P-15, Plugging Record  
Two copies of Form P-7, Well Completion and Well Logs  
Two Copies of Sample Description  
Two copies of Abandoning Well Transfer Form

Strat Test No. 204-A

Two copies of Form P-15, Plugging Record  
Two copies of Form P-7, Well Completion and Well Logs  
Two copies of Sample Description  
Two copies of Abandoning Well Transfer Form

In Mr. Ludwick's letter of July 29, 1963 he ask that we inform you which strat tests were assigned permits No. 198, No. 199, and No. 201. The permit numbers were assigned as follows:

Permit No.	Strat Test No.
198	13
199	4
201	10

We wish to apologise for the lengthy delay in sending in this information; but as you were informed, our Albuquerque Office was closed around the first of the year which caused numerous difficulties in our search for the information contained in these reports.

Very truly yours,  
CITIES SERVICE OIL COMPANY

By: *J. Frank Kinney*  
Landman

*No permit*

JFK:ms  
Encls.

4  
March 31, 1965

Memo to: File 197  
198  
199  
200  
201

From: John Bannister, Executive Secretary

Re: Cities Service Strat Tests

Cities Service made five applications which were assigned permit numbers 197 through 201.

Inasmuch as some of the area tests encountered an unexpected lava flow, some of the locations were changed by permission of the Commissioners. See minutes of July 25, 1962 meeting. The locations that changed were drilled under the original permits and in this case did not reflect the location as finally drilled.

In some cases a test was started at one location, said location being plugged and abandoned and a new well being drilled under the same permit at a different location.

Permit 197. Issued for Cities Service Strat Test 201, SW/4SW/4, S22-T9N-R27E. This well completed and no changes are involved in this file.

Permit 198. Issued for Cities Service Strat Test 202, SE/4NE/4, S33-T11N-R25E. However, this location was abandoned and the well was drilled as Strat Test 13, NW/4NW/4, S34-T9N-R27E.

Permit 199. Issued for Strat Test 4, NW/4NE/4, S6-T8N-R28E. This well was drilled and abandoned and Strat Test 202 was drilled under this same permit, SW/4NW/4, S15-T8N-R28E. (The Strat Test 4 location should be carried as abandoned.)

Permit 200. Issued for Strat Test 204, SE/4SE/4, S2-T10N-R25E. The test however was abandoned and a new location, SW/4SE/4, S2-T10N-R25E, was completed.

Permit 201. Issued to cover Cities Services Strat Test 205, SW/4SE/4, S17-T9N-R27E, but this location was abandoned and the Cities Service Strat Test 10, SW/4SW/4, S35-T9N-R27E, was drilled instead.

#1 Collier

Page 2

To reiterate:

Permit 197 should reflect well 201, SW/4SW/4, S22-T9N-R27E.

Permit 198 covers Strat Test 13, NW/4NW/4, S34-T9N-R27E.

Permit 199, Strat Test 202, located SW/4NW/4, S15-T8N-R28E.

Permit 200, Strat Test 204, SW/4SE/4, S2-T10N-R25E.

Permit 201, Strat Test 10, SW/4SW/4, S35-T9N-R27E.

All wells have been properly plugged and abandoned and Bond M-248117 in the amount of \$10,000 was released on September 12, 1963.