

2R - 41

# REPORTS

DATE:

1997

MARTIN YATES, III  
1912 - 1985  
FRANK W. YATES  
1936 - 1986



105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210  
TELEPHONE (505) 748-1471

S. P. YATES  
CHAIRMAN OF THE BOARD  
JOHN A. YATES  
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TREASURER

Mr. Mark Ashley  
New Mexico Oil  
Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

RECEIVED

MAR 13 1997

Environmental Bureau  
Oil Conservation Division

March 11, 1998

**Re: Pit Closure**

Dear Mark,

Pursuant to OCD's Unlined Surface Impoundment Closure Guidelines (Feb. 1993), Yates has prepared the enclosed plan for closure of pits located at recently purchased facilities in Eddy County.

Please contact me at (505) 748-4185 if you need additional information.

Sincerely,

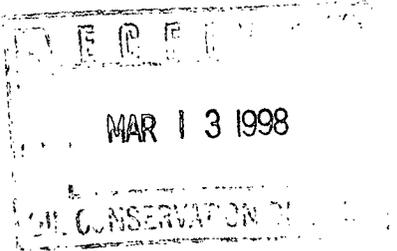
A handwritten signature in cursive script that reads 'Lisa Norton'.

Lisa Norton  
Environmental  
Coordinator

enc.

cc: Mr. Ray Smith  
NMOCD  
District 2  
811 South First  
Artesia, NM 88210

**Yates Petroleum Corp.**  
Artesia, New Mexico



**Unlined Surface Impoundments**

**Closure Plan**

**for pits located in**

**Eddy County, New Mexico**

**T18&19S R26E**

**at**

**Lattion Tank Battery**

**Scripps Tank Battery**

**Williams Tank Battery**

**Inex Tank Battery**

**and**

**Santa Fe Land Improvement #1 SWD**

**March 1998**

Yates Petroleum Corporation (Yates) has prepared this Closure Plan pursuant to OCD's Unlined Surface Impoundment Closure Guidelines (Feb. 1993). The pits located at the Inex, Lattion, Scripps and Williams batteries and the Santa Fe Land Improvement #1 salt water disposal (SWD) well in Eddy County were formerly owned by H&S Oil Co. and purchased by Yates in February 1998.

### **1. Facility Location**

The sites are located in southeastern New Mexico, approximately nine miles south-southeast of Artesia, New Mexico. The facilities are listed below and shown on Attachment 1.

- Inex Tank Battery - T18S R26E, Section 26, NE 1/4
- Lattion Tank Battery - T18S R26E, Section 23, SE 1/4
- Scripps Tank Battery - T18S R26E, Section 25, SW 1/4
- Williams Tank Battery - T18S R26E, Section 25, NE 1/4
- Santa Fe Land Improvement #1 SWD - T19S R26E, Section 17, SE 1/4

### **2. Site and Vicinity Characteristics**

The pits are located south-southeast of Artesia, New Mexico in a relatively unpopulated area of Eddy County, New Mexico and reached by unimproved roadways. The sites are associated with oil and gas production wells, piping, treatment and storage equipment and a saltwater disposal well (SWD). The facilities are scattered across a five square mile, discontinuous area with the SWD located five miles southwest of the other four locations.

### **3. Groundwater**

Groundwater in the area of the site occurs at an approximate elevation of 3,250 feet above mean sea level (MSL). This corresponds to an approximate depth of 40 to 90 feet below ground surface (bgs) in the general area, based on ground surface elevation of 3,280 to 3,340 feet above MSL.

### **4. Topography / Distance to Surface Water Body**

The elevation in the vicinity of the tank batteries ranges from approximately 3,280 feet above mean sea level (MSL) on the southeast portion to approximately 3,310 feet above MSL on the northwestern portion of the area. The elevation at the SWD is approximately 3,380 feet above MSL. The U.S. Geological Survey (USGS) topographic maps of the Lake McMillan North and Dayton, New Mexico quadrangles were reviewed for topographic and drainage information (USGS, 1955 and 1975, respectively). The topographic map indicates that the ground surface in the vicinity of the tank batteries slopes east-southeast toward the Pecos River. Surface water flows to the east-southeast into the Pecos River, located approximately one mile east. The prominent natural features in the vicinity include the Pecos River and associated floodplain located immediately adjacent to the east side of the tank batteries.

The topographic map indicates that the ground surface in the vicinity of the SWD is located along a surface water divide, with the ground surface on the north side of the SWD sloping north-northeast towards Fourmile Draw and the ground surface on the south side of the SWD sloping south-southeast towards North Seven Rivers. From either of these drainages surface water flows to the east-southeast into the Pecos River, located approximately four miles east of the SWD. The most prominent natural feature in the vicinity of the SWD is the Pecos River located four miles east.

## 5. Wellhead Protection Area

The closest public water supply well in the area is approximately two (2) miles southeast of the site at the SKP RV Park. The well serves under 101 persons.

Information on private domestic water sources in the area obtained from the State Engineers Office is attached.

## 6. Site Descriptions / Waste Characteristics

On September 23, 1997 Yates sampled sludge and water in each of the five pits. A description of each site follows along with a summary of those analytical results.

### A. Inex Tank Battery Unlined Disposal Pit. (T18S R26E Section 26 NE 1/4)

The unlined pit is approximately 40 feet by 40 feet and located adjacent to the battery. The pit contained water and oil with petroleum saturated soils on the pit walls. A sample of the pit water/oil interface was collected for laboratory analyses to determine the total petroleum hydrocarbon (TPH) and BTEX concentrations. The laboratory was unable to identify a water phase and thus only analyzed the oil portion. The oil sample was found to contain 330,000 ppm of TPH, exceeding the OCD Soil Guidelines of 1,000 ppm and 52.8 ppm of total BTEX, which exceeds the OCD Soil Guideline of 50 ppm total BTEX.

### B. Lattion Tank Battery Unlined Disposal Pit. (T18S R26E Section 23 SE 1/4)

The unlined pit is approximately 40 feet by 40 feet and located adjacent to the battery. The pit contained water and oil with petroleum saturated soils on the pit walls. A sample of the pit water/oil interface was collected for laboratory analyses to determine the petroleum hydrocarbon and BTEX concentrations. The oil at the surface contained 180,000 ppm of TPH, exceeding the OCD Soil Guidelines of 1,000 ppm. The water beneath the oil in the pit contained 20 parts per billion (ppb) of benzene, exceeding the New Mexico Water Quality Control Commission (NMWQCC) water quality standard of 10 ppb.

### C. Scripps Tank Battery Unlined Disposal Pit. (T18S R26E Section 25 SW 1/4)

The unlined pit is approximately 40 feet by 40 feet and located adjacent to the battery. The pit contained water and oil with petroleum saturated soils on the pit walls. A soil sample from the pit wall was collected from above the liquid level in the pit. The soil collected from the pit wall contained 27,000 ppm of TPH, exceeding the OCD Soil Guidelines of 1,000 ppm.

### D. Williams Tank Battery Unlined Disposal Pit. (T18S R26E Section 25 NE 1/4)

The unlined pit is approximately 40 feet by 40 feet and located adjacent to the battery. The pit contained water and oil with petroleum saturated soils on the pit walls. A sample of the pit water/oil interface was collected for laboratory analyses to determine the total petroleum hydrocarbon and BTEX concentrations. The oil at the oil/water interface contained 230,000 ppm of TPH, exceeding the OCD Soil Guidelines of 1,000 ppm. BTEX concentrations of the pit water did not exceed the New Mexico Water Quality Control Commission (NMWQCC) water quality standards.

**E. Santa Fe Land Improvement #1 Unlined Disposal Pit. (T19S R26E Section 17 SE 1/4)**

The unlined pit is approximately 20 feet by 150 feet and located adjacent to the battery. The pit contains water and oil with petroleum saturated soils on the pit walls. A sample of the pit water/oil interface was collected for laboratory analyses to determine the total petroleum hydrocarbon and BTEX concentrations. The oil at the oil/water interface contained 220,000 ppm of TPH, exceeding the OCD Soil Guidelines of 1,000 ppm. BTEX concentrations of the pit water were 81 parts per billion (ppb) of benzene, exceeding the New Mexico Water Quality Control Commission (NMWQCC) water quality standard of 10 ppb.

**7. Sampling Plan**

Yates has removed liquids from the pits. In order to assess the vertical and horizontal extent of contamination within and beneath each of the pits, discrete samples from the surface of the bottom elevation and approximately three (3) feet into the undisturbed soils beneath the bottom and into the side walls of the pits will be sampled. Yates proposes to perform sampling as soon as the surface has dried sufficiently to allow entry.

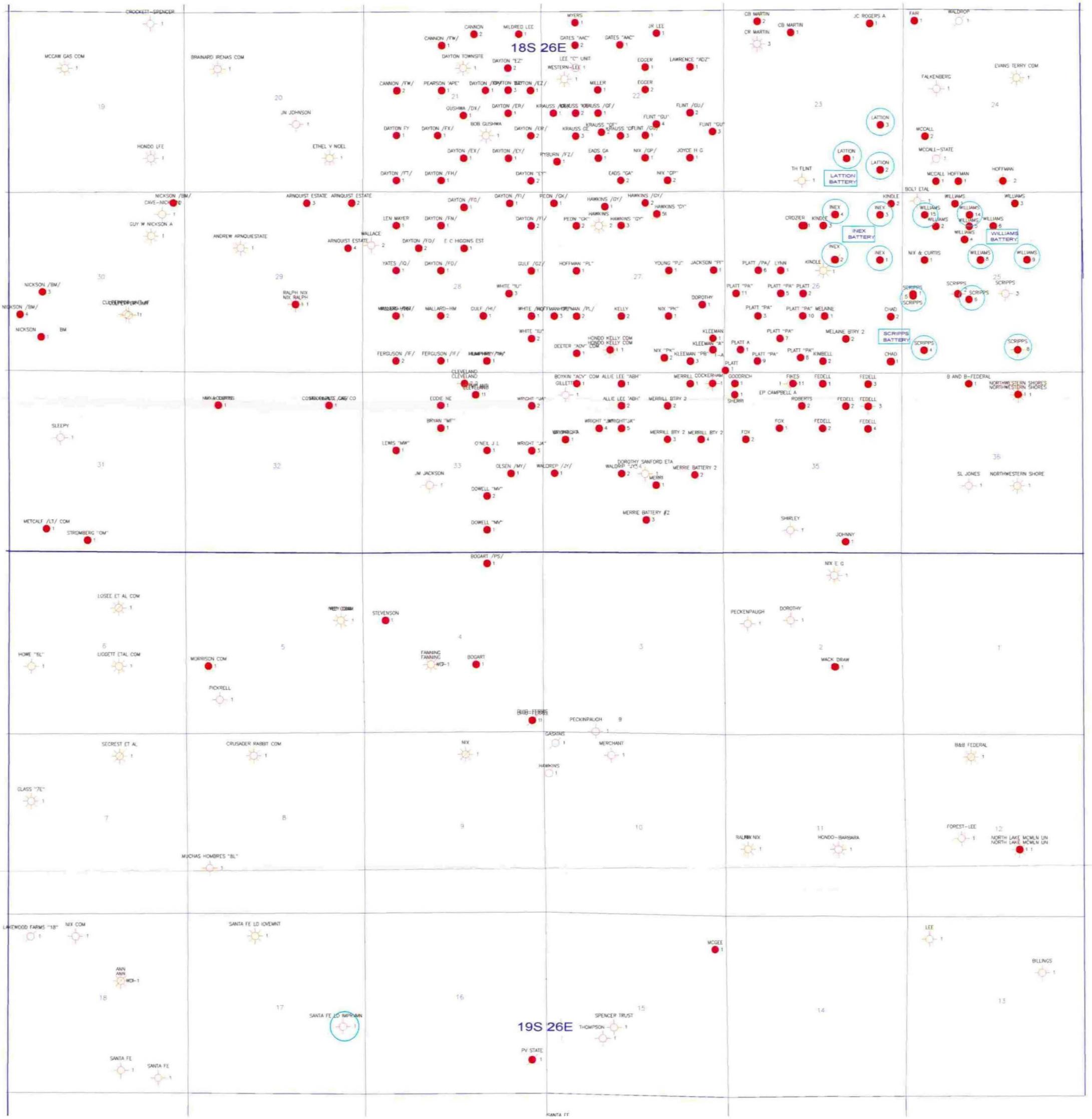
Caliche deposits are common in the area, generally occurring near the ground surface. Because caliche provides a low permeability barrier to retard vertical percolation of contaminants into the subsurface, Yates does not expect to encounter ground water contamination. If after completion of the soil sampling a reasonable probability of ground water contamination should exist based upon the level of contamination directly beneath the pits, a groundwater sampling and abatement plan will be prepared and submitted for OCD approval.

**8. Soil Remediation Plan**

Yates plans to bioremediate insitu any soil in the pits that contain contaminants above OCD standards by aerating and adding nutrients. Once residual contaminant concentrations meet OCD recommended soil remediation levels or if sampling determines that no contamination above standards exists, Yates will close the locations by backfilling and contouring to provide drainage away from the sites.

**9. Final Closure**

Upon completion of closure activities, Yates will document the closure to the OCD in a Final Closure Report. This report will describe the closure activities performed including third-party sampling to confirm that closure standards have been met.



**YATES PETROLEUM CORPORATION**

**NEW MEXICO  
H & S Oil Acquisition**

Lisa Norton	9/22/97	S. Donaldson
Scale 1:24000.		

# WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

**Section 1**


(A) Owner of well T. H. Flint  
 Street and Number \_\_\_\_\_  
 City Artesia, State New Mexico  
 Well was drilled under Permit No. RA-1296 and is located in the  
1/4 NW 1/4 NW 1/4 of Section 23 Twp. 18 Rge. 26  
 (B) Drilling Contractor R. I. Willson License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_  
 Drilling was commenced March 1, 19 39  
 Drilling was completed March 30, 19 39

(Plat of 640 acres)

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 180 ft.  
 State whether well is shallow or artesian \_\_\_\_\_ Depth to water upon completion \_\_\_\_\_

**Section 2 PRINCIPAL WATER-BEARING STRATA**

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				
2				
3				
4				
5				

**Section 3 RECORD OF CASING**

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
<u>15 1/2</u>	<u>70</u>				<u>167</u>			

**Section 4 RECORD OF MUDDING AND CEMENTING**

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

**Section 5 PLUGGING RECORD**

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
 Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_  
 Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19 \_\_\_\_\_  
 Plugging approved by: \_\_\_\_\_

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor \_\_\_\_\_

**FOR USE OF STATE ENGINEER ONLY**

Date Received \_\_\_\_\_



WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1


(A) Owner of well Paul & Johnnie Rogers  
 Street and Number Rte 1 Box 83  
 City Artesia State N.M.  
 Well was drilled under Permit No. RA-1210 and is located in the  
SW 1/4 NW 1/4 NE 1/4 of Section 23 Twp. 18 S Rge. 26 E  
 (B) Drilling Contractor A. F. Smith License No. WD-28  
 Street and Number 306 W. Chisum  
 City Artesia State N.M.  
 Drilling was commenced July 15 19 60  
 Drilling was completed July 19 19 60

(Plat of 640 acres)

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 200'  
 State whether well is shallow or artesian shallow Depth to water upon completion 60'

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				<u>Cleaned out from 170' to 200'</u>
2				
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5 PLUGGING RECORD

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
 Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_  
 Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19 \_\_\_\_\_  
 Plugging approved by: \_\_\_\_\_ Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor \_\_\_\_\_

FOR USE OF STATE ENGINEER ONLY

Date Received 60 AUG 1 - 1 AM 8:24



*Dec 10 56*

**WELL RECORD**

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

**Section 1**


(A) Owner of well Paul & Johnnie Rogers  
 Street and Number Route 1 Box 104  
 City Artesia State N.M.  
 RA 1210 S  
 Well was drilled under Permit No. XXXXXXKXh and is located in the  
 SW 1/4 NW 1/4 NE 1/4 of Section 23 Twp. 18S Rge. 26E  
 (B) Drilling Contractor A.F. Smith License No. WD 28  
 Street and Number 306 West Chisum  
 City Artesia State N.M.  
 Drilling was commenced August 12 19 57  
 Drilling was completed August 30 19 57

(Plat of 640 acres)

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 200'  
 State whether well is shallow or artesian Shallow Depth to water upon completion 60'

**Section 2 PRINCIPAL WATER-BEARING STRATA**

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				Cleaned out and deepened from 79' to 200'.
2				Repair job
3				
4				
5				

**Section 3 RECORD OF CASING**

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To

**Section 4 RECORD OF MUDDING AND CEMENTING**

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

**Section 5 PLUGGING RECORD**

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
 Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_  
 Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19 \_\_\_\_\_  
 Plugging approved by: \_\_\_\_\_

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor

**FILED**

FOR USE OF STATE ENGINEER ONLY

Date Received SEP 2 1957

OFFICE  
 GROUND WATER SUPERVISOR  
 ROSWELL, NEW MEXICO

File No. RA-1210-5 Use su Location No. 18.26.23.213







# WELL RECORD

Date of Receipt Dec. 1 1953

Permit No. RA ? 2132-B

Name of permittee, Sanders Terry

Street or P. O. route 1 Box 114, City and State Artesia, N.M.

1. Well location and description: The Shallow well is located in SW  $\frac{1}{4}$ , NE  $\frac{1}{4}$ ,  
(shallow or artesian)  
NW  $\frac{1}{4}$  of Section 24, Township 18S, Range 26E; Elevation of top of  
casing above sea level, \_\_\_\_\_ feet; diameter of hole, 12 $\frac{1}{2}$  inches; total depth, 105 feet;  
depth to water upon completion, 27 feet; drilling was commenced Dec. 8, 1953,  
and completed Dec. 10, 1953; name of drilling contractor A.F. Smith  
306 W Chisum; Address, Artesia, N.M.; Driller's License No. WD 28

2. Principal Water-bearing Strata:

	Depth in Feet		Thickness	Description of Water-bearing Formation
	From	To		
No. 1	18	20	2	gravel
No. 2	40	55	15	Sand & gravel
No. 3	65	87	22	gravel
No. 4				
No. 5				

3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner		Feet of Casing	Type of Shoe	Perforation	
			Top	Bottom			From	To
<u>12<math>\frac{1}{2}</math></u>	<u>36</u>	<u>8</u>			<u>105</u>		<u>18</u>	<u>105</u>

4. If above construction replaces old well to be abandoned, give location: \_\_\_\_\_  $\frac{1}{4}$ , \_\_\_\_\_  $\frac{1}{4}$ , \_\_\_\_\_  $\frac{1}{4}$   
of Section \_\_\_\_\_, Township \_\_\_\_\_, Range \_\_\_\_\_; name and address of plugging contractor,  
\_\_\_\_\_

date of plugging \_\_\_\_\_, 19\_\_\_\_; describe how well was plugged: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**FILED**  
JAN 11 1954  
OFFICE  
GROUND WATER SUPERVISOR  
ROSWELL, NEW MEXICO

A 2132-B

18:26 24, 123



FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1


(A) Owner of well Sanders Terry  
 Street and Number \_\_\_\_\_  
 City Artesia State N. M.  
 Well was drilled under Permit No. RA-1210 2132 & 1346 Combined A-3 and is located in the  
 1/4 1/4 NW 1/4 of Section 24 Twp. 18 N Rge. 2 E  
 (B) Drilling Contractor Leonard George License No. ED 21 A  
 Street and Number Box 795  
 City Hesperon State N. M.  
 Drilling was commenced Dec 21 1963  
 Drilling was completed Dec 29 1963

(Plat of 640 acres)

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 160  
 State whether well is shallow or artesian Shallow Depth to water upon completion \_\_\_\_\_

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	98	125	27	Gravel
2				
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
16			0	160	160	None	98	150

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5 PLUGGING RECORD

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
 Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_  
 Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19 \_\_\_\_\_

Plugging approved by: \_\_\_\_\_  
 Basin Supervisor

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

FOR USE OF STATE ENGINEER ONLY  
 Date Received \_\_\_\_\_

82:8 NW E 1834 1961  
 1964 FEB 13 AM 8:28

File No. RA-1210, RA-2132 & RA-1346 F-Comb-A-S Use J W Location No. 18.26.24.130



*Origin S.F.*

**WELL RECORD**

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1


(A) Owner of well Paul + Johnnie Rogers

Street and Number Route 1 Box 83

City Artesia State N.M.

Well was drilled under Permit No. RA-3900 and is located in the NW 1/4 SW 1/4 NW 1/4 of Section 24 Twp. 18S Rge. 26E

(B) Drilling Contractor A. F. Smith License No. WD-28

Street and Number 206 W. Ohisum

City Artesia State N.M.

Drilling was commenced July 17 1958

Drilling was completed Aug. 8 1958

(Plat of 640 acres)

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 845'

State whether well is shallow or artesian domestic Artesian Depth to water upon completion 90

Section 2

PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	115'	145'	30'	Sand
2	815'	835'	20'	Rock
3				
4				
5				

Section 3

RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7"					660'	Haliburton	(none)	
Run 138' of 5 1/2" lines in bottom							Cemented with 75 sacks cement	

Section 4

RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5

PLUGGING RECORD

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_

Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_

Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19 \_\_\_\_\_

Plugging approved by: \_\_\_\_\_

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor

**FILED**

FOR USE OF STATE ENGINEER ONLY

Date Received AUG 11 1958 NB

OFFICE  
GROUND WATER SUPERVISOR  
ROSWELL, NEW MEXICO

File No. RA-3900 Use Don Location No. 18.26.24.131

Depth in Feet		Thickness in Feet	Color	Type of Material Encountered
From	To			
<del>0</del>	<del>5</del>	<del>5</del>		<del>soil</del>
<del>5</del>	<del>115</del>	<del>110</del>		<del>red clay</del>
<del>115</del>	<del>145</del>	<del>30</del>		<del>red sand</del>
<del>145</del>	<del>660</del>	<del>515</del>		<del>red bed</del>
<del>660</del>	<del>815</del>	<del>155</del>		<del>rock</del>
<del>815</del>	<del>835</del>	<del>20</del>		<del>broken rock</del>
<del>835</del>	<del>845</del>	<del>10</del>		<del>lime</del>
0	5	5		soil
5	115	110		red clay
115	145	30		red sand
145	660	515		red bed
660	815	155		rock
815	835	20		broken rock
835	845	10		lime

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

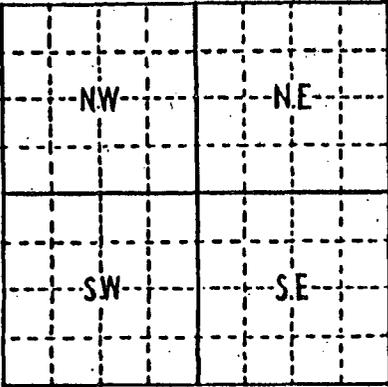
*R. F. Smith*  
Well Driller

# WELL RECORD

File No. \_\_\_\_\_

**INSTRUCTIONS:** This form should be typewritten, and filed in the office of the State Engineer, (P.O. Box 1079) Santa Fe, New Mexico, unless the well is situated in the Roswell Artesian Basin, in which case it should be filed in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 should be answered only if an old artesian well has been plugged. All other sections should be answered in full in every case, regardless of whether the well drilled is shallow or artesian in character. This report must be subscribed and sworn to before a Notary Public.

**Sec. 1**



(Plat of 640 acres)  
Locate Well Accurately

Owner of well ..... sanders Terry .....

Street and Number ..... Route 1, Box 114 .....

Post Office ..... Artesia, New Mexico .....

Well was drilled under Permit No. RA-2132 & RA-1210-A and is located in the NW  $\frac{1}{4}$  SE  $\frac{1}{4}$  NW  $\frac{1}{4}$  of Section 24

Township 18 North, Range 20 East

Drilling Contractor ..... D. N. Gray .....

Street and Number ..... 1007 Missouri St. .....

Post Office ..... Artesia, New Mexico .....

Drilling was commenced ..... Dec. 6 ..... 1962 ..... Drilling was completed ..... Dec. 17 ..... 1962 .....

Elevation at top of casing in feet above sea level .....

State whether well is shallow or artesian ..... shallow .....

Total depth of well ..... 166 ..... feet.

**Sec. 2** **PRINCIPAL WATER-BEARING STRATA**

No. 1, from	<u>36</u>	to	<u>49</u>	Thickness in feet	<u>13</u>	Formation	<u>Gravel</u>
No. 2, from	<u>54</u>	to	<u>64</u>	Thickness in feet	<u>10</u>	Formation	<u>sand &amp; Gravel</u>
No. 3, from	<u>70</u>	to	<u>88</u>	Thickness in feet	<u>18</u>	Formation	<u>sand &amp; Gravel</u>
No. 4, from	<u>90</u>	to	<u>102</u>	Thickness in feet	<u>12</u>	Formation	<u>sand &amp; Gravel</u>
No. 5, from	<u>120</u>	to	<u>145</u>	Thickness in feet	<u>25</u>	Formation	<u>Sand &amp; Gravel</u>

**Sec. 3** **RECORD OF CASING** (clay streaks)

DIAMETER IN INCHES	POUNDS PER FOOT	THREADS PER INCH	NAME OF MANUFACTURER	FEET OF CASING	TYPE OF SHOE	PERFORATED		PURPOSE
						FROM	TO	
<u>12"OD</u>		<u>8</u>		<u>166'5"</u>		<u>37</u>	<u>166</u>	

**Sec. 4** **RECORD OF MUDDING AND CEMENTING**

DIAMETER OF HOLE IN INCHES	NUMBER OF SACKS OF CEMENT	METHODS USED	SPECIFIC GRAVITY OF MUD	TONS OF CLAY USED

**Sec. 5** **PLUGGING RECORD OF OLD WELL**

Well is located in the .....  $\frac{1}{4}$  .....  $\frac{1}{4}$  .....  $\frac{1}{4}$  of Section ....., Township .....

Range ..... Name of plugging contractor .....

Street and Number ..... Post Office .....

Tons of clay used ..... Tons of roughage used ..... Type of roughage .....

..... Was plugging approved by Artesian Well Supervisor .....

Cement plugs were placed as follows:

No. 1 was placed at ..... feet Number of sacks of cement used .....

No. 2 was placed at ..... feet Number of sacks of cement used .....

No. 3 was placed at ..... feet Number of sacks of cement used .....

No. 4 was placed at ..... feet Number of sacks of cement used .....

No. 5 was placed at ..... feet Number of sacks of cement used .....

(OVER)

FILED

JAN 6 1963

OFFICE  
ARTESIAN WELL SUPERVISOR  
ROSWELL, NEW MEXICO

RA-2132-2



# WELL RECORD

**INSTRUCTIONS:** This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

**Section 1**


(A) Owner of well Sanders Terry  
 Street and Number Route 1 Box 114  
 City Artesia State N.M.  
 Well was drilled under Permit No. RA 3409 and is located in the  
 NE  $\frac{1}{4}$  SE  $\frac{1}{4}$  NE  $\frac{1}{4}$  of Section 24 Twp. 18S Rge. 26E  
 (B) Drilling Contractor A.F. Smith License No. ND 28  
 Street and Number 306 West Chisum  
 City Artesia, State N.M.  
 Drilling was commenced Feb. 13 1956  
 Drilling was completed Feb. 21 1956

(Plat of 640 acres)

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 175'  
 State whether well is shallow or artesian shallow Depth to water upon completion 18'

**Section 2 PRINCIPAL WATER-BEARING STRATA**

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				Drilled from 105 to 175' Crevice
2				Run liner 77 ft. 10" liner
3				
4				
5				

**Section 3 RECORD OF CASING**

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
			Top of 10" Liner	85'			85	162'

**Section 4 RECORD OF MUDDING AND CEMENTING**

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

**Section 5 PLUGGING RECORD**

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
 Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_  
 Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19 \_\_\_\_\_

Plugging approved by: \_\_\_\_\_

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor \_\_\_\_\_

**FOR USE OF STATE ENGINEER ONLY**

Date Received Feb 21 1956

OFFICE  
GROUND WATER SUPERVISOR  
ROSWELL, NEW MEXICO

File No RA-3409 Use \_\_\_\_\_ Location No. 18. 26. 24. 242

Copy to D7 2-27-56



# WELL RECORD

**INSTRUCTIONS:** This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

**Section 1**


(A) Owner of well Martin Yates Jr. etal  
 Street and Number Box 566  
 City Artesia, State New Mexico  
 Well was drilled under Permit No. RA-1820 and is located in the  
SW ¼ SW ¼ ¼ of Section 24 Twp. 18 Rge. 26  
 (B) Drilling Contractor Brewer Drilling Co. License No. \_\_\_\_\_  
 Street and Number Box 566  
 City Artesia, State New Mexico  
 Drilling was commenced May 9, 19 40  
 Drilling was completed July 20, 19 40

(Plat of 640 acres)

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 1033  
 State whether well is shallow or artesian artesian Depth to water upon completion \_\_\_\_\_

**Section 2 PRINCIPAL WATER-BEARING STRATA**

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	211	215	4	sand
2	786	795	9	sand
3				
4				
5				

**Section 3 RECORD OF CASING**

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
10	40	8			500	Reg.		
8½	32	8			910	Texas		

**Section 4 RECORD OF MUDDING AND CEMENTING**

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				
		10	3	20	Halliburton
		8½	5	50	Halliburton

**Section 5 PLUGGING RECORD**

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
 Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_  
 Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19 \_\_\_\_\_  
 Plugging approved by: \_\_\_\_\_ Cement Plugs were placed as follows:

Basin Supervisor \_\_\_\_\_

No.	Depth of Plug		No. of Sacks Used
	From	To	

**FOR USE OF STATE ENGINEER ONLY**

Date Received \_\_\_\_\_

Depth in Feet		Thickness in Feet	Color	Type of Material Encountered
From	To			
0	5	5		soil
5	30	25		gyp
30	50	20		sand & gyp
50	75	25		sand
75	103	28		gyp and sand
103	130	27		gyp rock and sand
130	190	60		gyp rock
190	200	10		sand
200	211	11		rock
211	215	4		sand
215	440	25		gyp
440	490	50		gyp with streaks of red bed
490	500	10		hard rock (set 10" casing)
500	540	40		rock-light colored
540	590	50		colored rock
590	615	25		white chalk rock
615	670	55		red sand
670	705	35		rock
705	731	25		grey sand & rock
731	780	49		red sand
780	782	2		lime rock-hard
782	786	4		hard rock
786	795	9		sand
795	878	83		lime rock
878	885	7		grey sandy lime
885	895	10		red sand
895	903	8		lime-set 8 1/4" pipe at 902'
903	988	85		grey lime
988	994	6		sand
994	1005	11		lime & anhydrate
1005	1022	17		grey sandy lime - oil
1022	1032	10		red sand
1032	1033	1		grey lime
Total depth of hole				

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

--S--O. S. Brewer

Well Driller

# WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

### Section 1


(A) Owner of well Paul & Johnie Rogers  
 Street and Number Route 1 Box 104  
 City Artesia State N.M.  
 Well was drilled under Permit No. RA 3750 and is located in the  
E<sup>1</sup>/<sub>2</sub> SW <sup>1</sup>/<sub>4</sub> SE <sup>1</sup>/<sub>4</sub> of Section 24 Twp. 18S Rge. 26E  
 (B) Drilling Contractor A.F. Smith License No. WD 28  
 Street and Number 306 W. Chisum  
 City Artesia State N.M.  
 Drilling was commenced August 21 19 57  
 Drilling was completed August 24 19 57

(Plat of 640 acres)

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 110'  
 State whether well is shallow or artesian domestic Depth to water upon completion 35'

### Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	50	85	35	sand
2				
3				
4				
5				

### Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
7"					94'		73'	94'

### Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

### Section 5 PLUGGING RECORD

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
 Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_  
 Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19 \_\_\_\_\_  
 Plugging approved by: \_\_\_\_\_

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor

**FILED**

FOR USE OF STATE ENGINEER ONLY

Date Received SEP 3 1957

OFFICE  
GROUND WATER SUPERVISOR  
ROSWELL, NEW MEXICO

File No. RA-3750 Use Steel Location No. 18.26.24.435

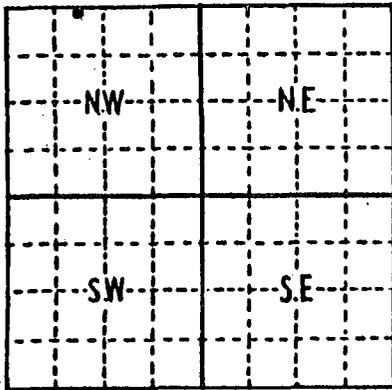


# WELL RECORD

File No. RA-1524

**INSTRUCTIONS:** This form should be typewritten, and filed in the office of the State Engineer, (P.O. Box 1079) Santa Fe, New Mexico, unless the well is situated in the Roswell Artesian Basin, in which case it should be filed in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 should be answered only if an old artesian well has been plugged. All other sections should be answered in full in every case, regardless of whether the well drilled is shallow or artesian in character. This report must be subscribed and sworn to before a Notary Public.

**Sec. 1**



(Plat of 640 acres)  
Locate Well Accurately

Owner of well ..... Donald Panning .....  
 Street and Number ..... Route #1 .....  
 Post Office ..... Artesia, New Mexico .....  
 Well was drilled under Permit No. RA-3217 ..... and  
 is located in the NE 1/4 NW 1/4 NW 1/4 of Section 25 .....  
 Township ..... 18<sup>th</sup> ..... Range 26<sup>E</sup> .....  
 Drilling Contractor ..... D. N. Gray .....  
 Street and Number ..... 1007 Missouri St. .....  
 Post Office ..... Artesia, N. M. .....

Drilling was commenced ..... May 27 ..... 19 54 Drilling was completed ..... June 4 ..... 1954 .....

Elevation at top of casing in feet above sea level .....

State whether well is shallow or artesian Shallow .....

Total depth of well ..... 100 ..... feet.

**Sec. 2 PRINCIPAL WATER-BEARING STRATA**

- No. 1, from 44 ..... to 68 ..... , Thickness in feet 24 ..... , Formation Sand & Gravel .....
- No. 2, from 68 ..... to 76 ..... , Thickness in feet 8 ..... , Formation sand .....
- No. 3, from 76 ..... to 100 ..... , Thickness in feet 24 ..... , Formation Sand & Gravel .....
- No. 4, from ..... to ..... , Thickness in feet ..... , Formation .....
- No. 5, from ..... to ..... , Thickness in feet ..... , Formation .....

**Sec. 3 RECORD OF CASING**

DIAMETER IN INCHES	POUNDS PER FOOT	THREADS PER INCH	NAME OF MANUFACTURER	FEET OF CASING	TYPE OF SHOE	PERFORATED		PURPOSE
						FROM	TO	
<u>16"OD</u>		<u>Welded</u>		<u>101'</u>	<u>Welded</u>	<u>43</u>	<u>101</u>	

**Sec. 4 RECORD OF MUDDING AND CEMENTING**

DIAMETER OF HOLE IN INCHES	NUMBER OF SACKS OF CEMENT	METHODS USED	SPECIFIC GRAVITY OF MUD	TONS OF CLAY USED

**Sec. 5 PLUGGING RECORD OF OLD WELL**

Well is located in the ..... 1/4 ..... 1/4 ..... 1/4 of Section ..... , Township .....  
 Range ..... Name of plugging contractor .....  
 Street and Number ..... Post Office .....  
 Tons of clay used ..... Tons of roughage used ..... Type of roughage .....  
 ..... Was plugging approved by Artesian Well Supervisor .....

Cement plugs were placed as follows:

- No. 1 was placed at ..... feet Number of sacks of cement used .....
- No. 2 was placed at ..... feet Number of sacks of cement used .....
- No. 3 was placed at ..... feet Number of sacks of cement used .....
- No. 4 was placed at ..... feet Number of sacks of cement used .....
- No. 5 was placed at ..... feet Number of sacks of cement used .....

(OVER)

FILED

AUG 10 1954

OFFICE  
GROUND WATER SUPERVISOR  
ROSWELL, NEW MEXICO

RA-1524

10 11 54 112



# WELL RECORD

**INSTRUCTIONS:** This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

**Section 1**


(A) Owner of well Mrs. G. E. Platt  
 Street and Number \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_  
 Well was drilled under Permit No. \_\_\_\_\_ and is located in the  
1/4 SW 1/4 SW 1/4 of Section 26 Twp. 18S Rge. 26E  
 (B) Drilling Contractor H. B. Mull & Co. License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_  
 Drilling was commenced May 6, 1907  
 Drilling was completed July 15, 1907

(Plat of 640 acres)

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 869'  
 State whether well is shallow or artesian \_\_\_\_\_ Depth to water upon completion \_\_\_\_\_

**Section 2 PRINCIPAL WATER-BEARING STRATA**

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				
2				
3				
4				
5				

**Section 3 RECORD OF CASING**

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
<u>6</u>			<u>0</u>	<u>635</u>	<u>635</u>			

**Section 4 RECORD OF MUDDING AND CEMENTING**

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

**Section 5 PLUGGING RECORD**

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
 Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_  
 Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19  

Plugging approved by: \_\_\_\_\_

Cement Plugs were placed as follows:

Basin Supervisor \_\_\_\_\_

No.	Depth of Plug		No. of Sacks Used
	From	To	

**FOR USE OF STATE ENGINEER ONLY**

Date Received \_\_\_\_\_

File No. \_\_\_\_\_ Use \_\_\_\_\_ Location No. 18.26.26.330



STATE ENGINEER OFFICE  
WELL RECORD **FIELD ENGR. LOG**

Section 1. GENERAL INFORMATION

(A) Owner of well Hubert C. Green Owner's Well No. RA-7242  
Street or Post Office Address RRT. Box 110-A  
City and State Artesia, New Mexico 88210

Well was drilled under Permit No. WRA-7242-Exploratory and is located in the:

- a.  $W\frac{1}{2}$  ~~NE~~ SW  $\frac{1}{4}$  SE  $\frac{1}{4}$  of Section 26 Township 18-S Range 26-E N.M.P.M.  
b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_  
c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in \_\_\_\_\_ County.  
d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in the \_\_\_\_\_ Grant.

(B) Drilling Contractor Hughes Drilling Company License No. WD-749  
Address Rt. 1 Box 199A Artesia, New Mexico 88210

Drilling Began 9-20-83 Completed 10-30-83 Type tools Cable Size of hole 8" in.

Elevation of land surface or \_\_\_\_\_ at well is \_\_\_\_\_ ft. Total depth of well 102 ft.

Completed well is  shallow  artesian. Depth to water upon completion of well 55 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
55	98	43	Coarse Sand & Peas Gravel	40

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
7	23	weld-in	0	102	102	None	60	102

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor \_\_\_\_\_  
Address \_\_\_\_\_  
Plugging Method \_\_\_\_\_  
Date Well Plugged \_\_\_\_\_  
Plugging approved by: \_\_\_\_\_  
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received November 8, 1983 Quad 106.3.2 FWL \_\_\_\_\_ FSL \_\_\_\_\_  
File No. RA-7242-Exploratory Use Exploratory Location No. 18.26.26.43343



STATE ENGINEER OFFICE  
WELL RECORD

FIELD ENGR. LOG

Section 1. GENERAL INFORMATION

(A) Owner of well Hubert C. Green Owner's Well No. RA-7243-Explor.  
Street or Post Office Address R. R. T. Box 110-A  
City and State Artesia, NM 88210

Well was drilled under Permit No. RA-7243-Exploratory and is located in the:

- a. E 1/4 ~~XX~~ SW 1/4 SE 1/4 of Section 26 Township 18-S Range 26-E N.M.P.M.
- b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_
- c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in \_\_\_\_\_ County.
- d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in  
the \_\_\_\_\_ Grant.

(B) Drilling Contractor Hughes Drilling Company License No. WD-749  
Address Rt. 1 Box 199A Artesia, NM 88210

Drilling Began July 1, 1984 Completed July 25, 1984 Type tools Cable Size of hole 8 in.  
Elevation of land surface or \_\_\_\_\_ at well is \_\_\_\_\_ ft. Total depth of well 110 ft.  
Completed well is  shallow  artesian. Depth to water upon completion of well 50 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
60	68	8	Brown Clay & Sand	50 GPM
68	80	12	Yellow Sand & Clay	
80	90	10	Sand & Pea Gravel	

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
7	24	Weld-In	0	110	110	None	45	110

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor \_\_\_\_\_  
Address \_\_\_\_\_  
Plugging Method \_\_\_\_\_  
Date Well Plugged \_\_\_\_\_  
Plugging approved by: \_\_\_\_\_  
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received July 27, 1984 Quad 106.3.2 FWL \_\_\_\_\_ FSL \_\_\_\_\_  
File No. RA-7243-Exploratory Use Dom/Exploratory Location No. 18.26.26.43444



STATE ENGINEER OFFICE  
WELL RECORD

FIELD FIG. LOG

Section 1. GENERAL INFORMATION

(A) Owner of well Robert Lynn Barnes Owner's Well No. RA-7219  
Street or Post Office Address Rt. 1 Box 196-A  
City and State Artesia, New Mexico 88210

Well was drilled under Permit No. RA-7219 and is located in the:

- a. W<sup>1</sup>/<sub>2</sub> ~~E<sup>1</sup>/<sub>2</sub>~~ ~~SE~~ 1/4 of Section 26 Township 18-S Range 26-E N.M.P.M.  
b. Tract No. \_\_\_\_\_ of Map No. \_\_\_\_\_ of the \_\_\_\_\_  
c. Lot No. \_\_\_\_\_ of Block No. \_\_\_\_\_ of the \_\_\_\_\_  
Subdivision, recorded in Eddy County.  
d. X= \_\_\_\_\_ feet, Y= \_\_\_\_\_ feet, N.M. Coordinate System \_\_\_\_\_ Zone in the \_\_\_\_\_ Grant.

(B) Drilling Contractor Hughes Drilling Company License No. WD-749

Address Rt. 1 Box 199A Artesia, New Mexico 88210

Drilling Began 8-25-83 Completed 9-2-83 Type tools Cable Size of hole 8 in.

Elevation of land surface or \_\_\_\_\_ at well is \_\_\_\_\_ ft. Total depth of well 110 ft.

Completed well is  shallow  artesian. Depth to water upon completion of well 50 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
50	85	35	Sand & Pea Gravel	30

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
6 5/8"	n/a	weld-in	0	110	110	None	70	110

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor \_\_\_\_\_  
Address \_\_\_\_\_  
Plugging Method \_\_\_\_\_  
Date Well Plugged \_\_\_\_\_  
Plugging approved by: \_\_\_\_\_  
State Engineer Representative

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received September 7, 1983 Quad 106.3.2 FWL \_\_\_\_\_ FSL \_\_\_\_\_  
File No. RA-7219 Use MORE THAN 1 HOUSE Location No. 18.26.26.44413



FIELD ENGR. LOG

WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

Section 1

(A) Owner of well McFarland Drilling Co.  
Street and Number 3612 W wall  
City \_\_\_\_\_ State Tex.  
Well was drilled under Permit No. RA 7 and is located in the NE 1/4 NW 1/4 SE 1/4 of Section 17 Twp. 19 Rge. 26  
(B) Drilling Contractor G. F. Smith License No. WD 28  
Street and Number Box 1202  
City Artisian State N.M.  
Drilling was commenced Sept 14 1964  
Drilling was completed " 28 1964


(Plat of 640 acres)

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 475'  
State whether well is shallow or artesian shallow Depth to water upon completion 132'

Section 2 PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	<u>150</u>	<u>232</u>	<u>82</u>	<u>sand</u>
2				
3				
4				
5				

Section 3 RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
<u>7"</u>					<u>232</u>	<u>none</u>	<u>202</u>	<u>232</u>

Section 4 RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

Section 5 PLUGGING RECORD

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_  
Tons of Clay used \_\_\_\_\_ Tons of Roughage used \_\_\_\_\_ Type of roughage \_\_\_\_\_  
Plugging method used \_\_\_\_\_ Date Plugged \_\_\_\_\_ 19 \_\_\_\_\_

Plugging approved by: \_\_\_\_\_

Cement Plugs were placed as follows:

No.	Depth of Plug		No. of Sacks Used
	From	To	

Basin Supervisor \_\_\_\_\_

FOR USE OF STATE ENGINEER ONLY

Date Received \_\_\_\_\_

1964 NOV 20 AM 8:32

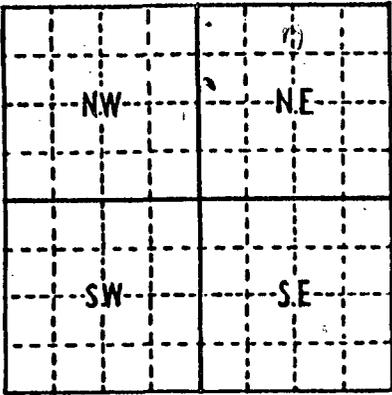
File No. RA-5037 Use OWD Location No. 19-26-17-210



# WELL RECORD

File No. \_\_\_\_\_

**INSTRUCTIONS:** This form should be typewritten, and filed in the office of the State Engineer, (P.O. Box 1079) Santa Fe, New Mexico, unless the well is situated in the Roswell Artesian Basin, in which case it should be filed in the office of the Artesian Well Supervisor, Roswell, New Mexico. Section 5 should be answered only if an old artesian well has been plugged. All other sections should be answered in full in every case, regardless of whether the well drilled is shallow or artesian in character. This report must be subscribed and sworn to before a Notary Public.

**Sec. 1**

(Plat of 640 acres)  
Locate Well Accurately

Owner of well ..... R. G. Gooden .....  
 Street and Number ..... Route 1, Box 104 .....  
 Post Office ..... Artesia, N. Mex. ....  
 Well was drilled under Permit No. .... RA-1210 ..... and  
 is located in the ... SW ... 1/4 ... NW ... 1/4 ... NE ... 1/4 of Section 23 ...  
 Township 18 S. ...., Range 26 E. ....  
 Drilling Contractor ..... W. C. Gray .....  
 Street and Number ..... 317 W. Dallas .....  
 Post Office ..... Artesia, N. Mex. ....

Drilling was commenced ..... Aug. 10 ..... 19 49. Drilling was completed ..... Sept. 20 ..... 19 49.

Elevation at top of casing in feet above sea level .....

State whether well is shallow or artesian ..... Shallow .....

Total depth of well ..... 162 ..... feet.

**Sec. 2 PRINCIPAL WATER-BEARING STRATA**

No. 1, from ..... to ....., Thickness in feet ....., Formation .....

No. 2, from ..... to ....., Thickness in feet ....., Formation .....

No. 3, from ..... to ....., Thickness in feet ....., Formation .....

No. 4, from ..... to ....., Thickness in feet ....., Formation .....

No. 5, from ..... to ....., Thickness in feet ....., Formation .....

**Sec. 3 RECORD OF CASING**

DIAMETER IN INCHES	POUNDS PER FOOT	THREADS PER INCH	NAME OF MANUFACTURER	FEET OF CASING	TYPE OF SHOE	PERFORATED		PURPOSE
						FROM	TO	
14"				162'				

**Sec. 4 RECORD OF MUDDING AND CEMENTING**

DIAMETER OF HOLE IN INCHES	NUMBER OF SACKS OF CEMENT	METHODS USED	SPECIFIC GRAVITY OF MUD	TONS OF CLAY USED

**Sec. 5 PLUGGING RECORD OF OLD WELL**

Well is located in the ..... 1/4 ..... 1/4 ..... 1/4 of Section ....., Township .....,  
 Range ..... Name of plugging contractor .....

Street and Number ..... Post Office .....

Tons of clay used ..... Tons of roughage used ..... Type of roughage .....

..... Was plugging approved by Artesian Well Supervisor .....

Cement plugs were placed as follows:

No. 1 was placed at ..... feet Number of sacks of cement used .....

No. 2 was placed at ..... feet Number of sacks of cement used .....

No. 3 was placed at ..... feet Number of sacks of cement used .....

No. 4 was placed at ..... feet Number of sacks of cement used .....

No. 5 was placed at ..... feet Number of sacks of cement used .....

(OVER)

RA-1210

A. 26 23 219



(This form is to be executed in triplicate)

# WELL RECORD

Date of Receipt ..... Permit No. RA 1296 S 2

Name of permittee, Charles R. Martin

Street or P. O. Route 1, City and State Artesia, New Mexico

1. Well location and description: The shallow well is located in NE SW 1/4,  
(shallow or artesian)  
NW 1/4 of Section 23, Township 18S, Range 26E; Elevation of top of  
casing above sea level, ..... feet; diameter of hole, 13" inches; total depth, 150 feet;  
depth to water upon completion, 35 feet; drilling was commenced March 16, 1954  
and completed March 18, 1954; name of drilling contractor A.F. Smith  
306W. Chisum; Address, Artesia, N.M.; Driller's License No. WD 28

### 2. Principal Water-bearing Strata:

	Depth in Feet		Thickness	Description of Water-bearing Formation
	From	To		
No. 1	40	45	5	Gravel
No. 2	65	75	10	sand
No. 3	115	125	10	gravel
No. 4				
No. 5				

### 3. Casing Record:

Diameter in inches	Pounds per ft.	Threads per inch	Depth of Casing or Liner		Feet of Casing	Type of Shoe	Perforation	
			Top	Bottom			From	To
<u>13"</u>		<u>10</u>			<u>132</u>	<u>baker</u>	<u>20</u>	<u>132</u>
.....								
.....								
.....								
.....								
.....								

4. If above construction replaces old well to be abandoned, give location: ..... 1/4, ..... 1/4, ..... 1/4  
of Section ....., Township ....., Range.....; name and address of plugging contractor,  
.....  
.....  
date of plugging ....., 19.....; describe how well was plugged: .....

*Handwritten initials*

RA-1296-5-2

10.14.93.137

