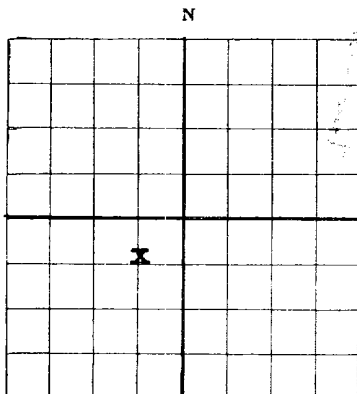


AREA 640 ACRES  
LOCATE WELL CORRECTLY

## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE.

J.W.Brown Inc. Box 811 Roswell, New Mexico.

Company or Operator  
**State of New Mexico** Well No. **1** in **Lot 11** of Sec. **4**, T. **16 So.**  
Lease  
R. **35 East**, N. M. P. M., Field, **Wildcat Lea** County.  
Well is **3300** feet south of the North line and **3300** feet west of the East line of **Sec. 4 16-35**  
If State land the oil and gas lease is No. **B-4567** Assignment No. **1**  
If patented land the owner is \_\_\_\_\_, Address \_\_\_\_\_  
If Government land the permittee is \_\_\_\_\_, Address \_\_\_\_\_  
The Lessee is **J.W.Brown Inc.**, Address **Box 811 Roswell, N.M.**  
Drilling commenced **4-21-41** 19\_\_\_\_ Drilling was completed **6-26-41** 19\_\_\_\_  
Name of drilling contractor **Richmond Drilling Co.**, Address **Midland, Texas**  
Elevation above sea level at top of casing **4025** feet.  
The information given is to be kept confidential until \_\_\_\_\_ 19\_\_\_\_

## OIL SANDS OR ZONES

No. 1, from **5160** to **5239** No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from **5300** to **5356** No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from **80** to **100** feet. **20** Pumped 5 gals. per minute.  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.  
No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

## CASING RECORD

| SIZE          | WEIGHT PER FOOT | THREADS PER INCH | MAKE                 | AMOUNT       | KIND OF SHOE | CUT & FILLED FROM | PERFORATED |    | PURPOSE |
|---------------|-----------------|------------------|----------------------|--------------|--------------|-------------------|------------|----|---------|
|               |                 |                  |                      |              |              |                   | FROM       | TO |         |
| <b>8 5/8"</b> | <b>28 lb.</b>   | <b>8 R.</b>      | <b>Republic 1790</b> | <b>Texas</b> |              |                   |            |    |         |
|               |                 |                  |                      |              |              |                   |            |    |         |
|               |                 |                  |                      |              |              |                   |            |    |         |
|               |                 |                  |                      |              |              |                   |            |    |         |
|               |                 |                  |                      |              |              |                   |            |    |         |
|               |                 |                  |                      |              |              |                   |            |    |         |
|               |                 |                  |                      |              |              |                   |            |    |         |

## MUDDING AND CEMENTING RECORD

| SIZE OF HOLE | SIZE OF CASING | WHERE SET | NO. SACKS OF CEMENT | METHOD USED | MUD GRAVITY | AMOUNT OF MUD USED |
|--------------|----------------|-----------|---------------------|-------------|-------------|--------------------|
|              |                |           |                     |             |             |                    |
|              |                |           |                     |             |             |                    |
|              |                |           |                     |             |             |                    |
|              |                |           |                     |             |             |                    |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth Set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## RECORD OF SHOOTING OR CHEMICAL TREATMENT

| SIZE | SHELL USED | EXPLOSIVE OR CHEMICAL USED | QUANTITY | DATE | DEPTH SHOT OR TREATED | DEPTH CLEANED OUT |
|------|------------|----------------------------|----------|------|-----------------------|-------------------|
|      |            |                            |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |
|      |            |                            |          |      |                       |                   |

Results of shooting or chemical treatment \_\_\_\_\_

## RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.  
**See attached well record.**

## TOOLS USED

Rotary tools were used from **0** feet to **5507** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## PRODUCTION

Put to producing \_\_\_\_\_ 19\_\_\_\_  
The production of the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity, Be \_\_\_\_\_  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

**L.D. Hardeman**, Driller **Harvey Humphreys**, Driller  
**Frank L. Allen**, Driller **A.W. White Drlg. Supt.**, Driller

FORMATION RECORD ON OTHER SIDE— See attached log.

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

Subscribed and sworn to before me this **3rd.** **Midland, Texas** **7-3-41**  
day of **July** 19 **41** Name **J. W. Brown**  
Position **Pres.**





WELL RECORD

Operator: J. W. Brown, Inc.  
 Well: #1 State of New Mexico  
 Location: Center Lot 11, Section 4, Twp. 16 So., R. 35 E,  
 Lea County, New Mexico  
 Drilling Factor: Richmond Drilling Co., Midland, Texas  
 Drilling commenced: 4-21-41  
 Drilling completed: 5-28-41  
 Total depth: 5303' in 7 7/8" hole  
 Casing Record: 1790' (55 jts.) new 28 lb. seamless 8 round  
 thread. Casing run at 1805 D.F.M. Cemented  
 with 175 sacks by Halliburton 4-26-41.

Coring Record

| Cored from | to    | Recovery | Remarks                       |
|------------|-------|----------|-------------------------------|
| 5160       | 5169½ | 9½ ft.   | dense - S. O.                 |
| 5169½      | 5188  | 18½ ft.  | dense - bleeding<br>Oil & gas |
| 5188       | 5206  | 18 ft.   | dense - S. O.                 |
| 5206       | 5223  | 17 ft.   | S. O. - no porosity           |
| 5223       | 5239  | 16 ft.   | S. O. - no porosity           |

## Drill Stem Tests:

Halliburton sidewall packer formation tester run 5-26-41 at total depth of 5206. Packer set at 5136 in hard line, tool open 25 minutes with pressure drop to zero. Recovered 2 ft. drilling fluid.

Bit Record: 1 - 11" drag bit  
 3 - 11" rock bits  
 25 - 7 7/8" rock bits

Formation Record

| Formations                  | Top  | Bottom | Remarks                                                             |
|-----------------------------|------|--------|---------------------------------------------------------------------|
| Cellar                      | 0    | 15     |                                                                     |
| Caliche                     | 15   | 80     |                                                                     |
| Sand & Gravel               | 80   | 100    |                                                                     |
| Red bed                     | 100  | 160    |                                                                     |
| Red Bed                     | 160  | 1074   | Totco @ 600'<br>Hole straight.<br>Slope test @ 1040'<br>1/2 degrees |
| Red bed & Shells            | 1074 | 1233   |                                                                     |
| Red bed & Red Rock          | 1233 | 1703   |                                                                     |
| Red Rock                    | 1703 | 1727   |                                                                     |
| Red Rock & Anhydrite Shells | 1727 | 1753   | Running casing 55 jts.<br>8 3/8"-1790' from<br>bottom of cellar     |
| Anhydrite                   | 1753 | 1806   | 175 sacks cement.                                                   |
| Sand                        | 1806 | 1878   |                                                                     |
| Anhydrite                   | 1878 | 1902   |                                                                     |
| Salt                        | 1902 | 2233   | Totco @ 1985'<br>Hole straight<br>Totco @ 2125'<br>1/4 degree off   |
| Salt & Anhydrite shells     | 2233 | 2445   |                                                                     |
| Salt & Shells               | 2445 | 2640   |                                                                     |
| Anhydrite                   | 2640 | 2664   |                                                                     |
| Salt                        | 2664 | 2798   |                                                                     |

WELL RECORD

Operator: J. W. Brown, Inc.  
 Well: #1 State of New Mexico  
 Location: Center L & M, Section 4, Twp. 16 N., R. 36 E.,  
 Lea County, New Mexico  
 Drilling Contractor: Richmond Drilling Co., Midland, Texas  
 Drilling Commenced: 4-21-41  
 Drilling Completed: 5-28-41  
 Total Depth: 5308' in 7 7/8" hole  
 Casing Record: 1790' (55 lbs.) new 28 lb. seamless 8 round  
 thread. Casing run at 1803 D.P.M. Cemented  
 with 175 sacks of Halliburton 4-26-41.

Coring Record

| Corer from | to       | Recovery   | Remarks                     |
|------------|----------|------------|-----------------------------|
| 5160       | 5162 1/2 | 9 1/2 ft.  | Gas - 2.0.                  |
| 5162 1/2   | 5188     | 13 1/2 ft. | Gas - bleeding<br>Oil & gas |
| 5188       | 5208     | 10 ft.     | Gas - 2.0.                  |
| 5208       | 5228     | 17 ft.     | 2.0. - no porosity          |
| 5228       | 5289     | 16 ft.     | 2.0. - no porosity          |

Well Stem Tests:

Halliburton sidewall packer formation tester run 5-26-41 at total  
 depth of 5208'. Packer set at 5188 in hard line, tool open 28 min-  
 utes with pressure drop to zero. Recovered 2 ft. drilling fluid.

Bit Record:  
 1 - 11" drag bit  
 3 - 11" rock bits  
 25 - 7 7/8" rock bits

Production Record

| Date     | Oil | Gas | Water | Remarks        |
|----------|-----|-----|-------|----------------|
| 5-28-41  | 0   | 0   | 0     | Well completed |
| 6-4-41   | 0   | 0   | 0     |                |
| 6-11-41  | 0   | 0   | 0     |                |
| 6-18-41  | 0   | 0   | 0     |                |
| 6-25-41  | 0   | 0   | 0     |                |
| 7-2-41   | 0   | 0   | 0     |                |
| 7-9-41   | 0   | 0   | 0     |                |
| 7-16-41  | 0   | 0   | 0     |                |
| 7-23-41  | 0   | 0   | 0     |                |
| 7-30-41  | 0   | 0   | 0     |                |
| 8-6-41   | 0   | 0   | 0     |                |
| 8-13-41  | 0   | 0   | 0     |                |
| 8-20-41  | 0   | 0   | 0     |                |
| 8-27-41  | 0   | 0   | 0     |                |
| 9-3-41   | 0   | 0   | 0     |                |
| 9-10-41  | 0   | 0   | 0     |                |
| 9-17-41  | 0   | 0   | 0     |                |
| 9-24-41  | 0   | 0   | 0     |                |
| 10-1-41  | 0   | 0   | 0     |                |
| 10-8-41  | 0   | 0   | 0     |                |
| 10-15-41 | 0   | 0   | 0     |                |
| 10-22-41 | 0   | 0   | 0     |                |
| 10-29-41 | 0   | 0   | 0     |                |
| 11-5-41  | 0   | 0   | 0     |                |
| 11-12-41 | 0   | 0   | 0     |                |
| 11-19-41 | 0   | 0   | 0     |                |
| 11-26-41 | 0   | 0   | 0     |                |
| 12-3-41  | 0   | 0   | 0     |                |
| 12-10-41 | 0   | 0   | 0     |                |
| 12-17-41 | 0   | 0   | 0     |                |
| 12-24-41 | 0   | 0   | 0     |                |
| 12-31-41 | 0   | 0   | 0     |                |

| Formations                           | Top      | Bottom   | Remarks                                          |
|--------------------------------------|----------|----------|--------------------------------------------------|
| Anhydrite & Salt                     | 2798     | 2902     | Totco at 2800'<br>1 1/2 degrees off              |
| Anhydrite                            | 2902     | 2935     |                                                  |
| Anhydrite & Shale                    | 2935     | 2940     |                                                  |
| Yates Sand                           | 2940     | 2970     |                                                  |
| Anhydrite                            | 2970     | 3081     | Slope test @3012'<br>1 1/2 degrees off           |
| Anhydrite & sandy lime               | 3081     | 3138     |                                                  |
| Anhydrite & shale                    | 3138     | 3270     |                                                  |
| Lime, Anhydrite & Shale              | 3270     | 3324     |                                                  |
| Anhydrite & Shale broken             | 3324     | 3407     | Totco at 3354'<br>1 degree off                   |
| Anhydrite & Lime Shells              | 3407     | 3525     |                                                  |
| Anhydrite & Shale                    | 3525     | 3575     |                                                  |
| Anhydrite, Sand & Shale              | 3575     | 3670     | Totco at 3607'<br>1/2 degree off                 |
| Anhydrite & Shale                    | 3670     | 3741     |                                                  |
| Anhydrite & Shale                    | 3741     | 3800     | Totco at 3790'<br>1/2 degree off                 |
| Sand & Shells                        | 3800     | 3828     |                                                  |
| Anhydrite                            | 3828     | 3887     |                                                  |
| Anhydrite & blue shale               | 3887     | 3923     | Totco at 3970'                                   |
| Anhydrite                            | 3923     | 4206     | Hole Straight<br>Totco at 4040'<br>Hole Straight |
| Lime & Shells & Shale                | 4206     | 4270     |                                                  |
| Anhydrite & sandy breaks             | 4270     | 4305     |                                                  |
| Anhydrite & Lime shells              | 4305     | 4345     |                                                  |
| Anhydrite, gyp & shale               | 4345     | 4390     | Totco at 4321'<br>Hole Straight                  |
| Anhydrite & Lime Shell               | 4390     | 4421     |                                                  |
| Broken Anhydrite                     | 4421     | 4468     |                                                  |
| Broken Anhydrite                     | 4468     | 4525     |                                                  |
| Anhydrite                            | 4525     | 4540     |                                                  |
| Lime                                 | 4540     | 4647     | Totco at 4610'<br>Hole Straight                  |
| Lime & Gyp                           | 4646     | 4667     |                                                  |
| Lime & Anhydrite Streaks             | 4667     | 4691     |                                                  |
| Lime                                 | 4691     | 4710     |                                                  |
| Lime & Gyp                           | 4710     | 4718     |                                                  |
| Lime                                 | 4718     | 4810     | Totco at 4638'<br>1/2 degree off                 |
| Lime & Gyp                           | 4810     | 4830     | Totco at 4791'<br>Hole Straight                  |
| Lime                                 | 4830     | 4965     | Totco at 4800'<br>1/4 degree off                 |
| Lime                                 | 4965     | 5143     | Totco at 4870'<br>1/4 degree off                 |
| Hard Lime                            | 5143     | 5149     |                                                  |
| Salt Lime                            | 5149     | 5160     |                                                  |
| Core                                 | 5160     | 5169 1/2 |                                                  |
| Coring                               | 5169 1/2 | 5206     |                                                  |
| Grey Lime                            | 5206     | 5303'    |                                                  |
| Halliburton Steel line run at 5303'- |          |          |                                                  |

STATE OF TEXAS      0  
COUNTY OF MIDLAND      0

Before me a Notary Public in and for Midland County, Texas, on this day personally appeared H. M. Reigle, who being by me duly sworn, upon oath says that the above log is true and correct to the best of his knowledge.

H. M. Reigle

Subscribed and sworn to before me a Notary Public in and for Midland County, Texas

Elizabeth Pratt  
Notary Public in and for  
Midland County, Texas



SUPPLEMENTARY WELL RECORD

Operator: J. W. Brown, Inc.

Well: #1 State of New Mexico

Location: Center of Lot 11, Section 4, Twp. 16 So.,  
R. 35 East, Lea County, New Mexico

Drilling Contractors: Richmond Drilling Co., Midland, Texas

Deepening Commenced: 6-21-41

Deepening Completed: 6-26-41

Total Depth: 5507 feet - 7 7/8" hole

Coring Record

| No. | From | To   | Formation | Recovery |
|-----|------|------|-----------|----------|
| 5   | 5303 | 5380 | Lime      | 17 Ft.   |
| 6   | 5380 | 5338 | "         | 18 Ft.   |
| 7   | 5338 | 5366 | "         | 18 Ft.   |
| 8   | 5445 | 5465 | "         | 18 Ft.   |

Halliburton sidewall packer formation tester run 6-23-41  
at T. I. of 5338, packer set at 5279 feet, tool open 35  
minutes. Recovered 165 feet drilling fluid.

Bit Records: 2 Hughes O. W. S. 7 7/8" rock bits.

Formation Record

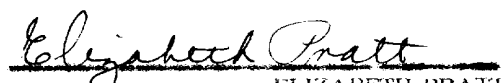
| Formation | Top  | Bottom | Remarks         |
|-----------|------|--------|-----------------|
| Lime      | 5303 | 5391   |                 |
| Hard lime | 5391 | 5440   |                 |
| Soft lime | 5440 | 5445   |                 |
| Lime      | 5445 | 5507   | --- Total depth |

  
H.M. Reigle

STATE OF TEXAS      0  
COUNTY OF MIDLAND      0

Before me, A Notary Public in and for Midland County, Texas,  
on this day personally appeared H. M. Reigle, who being by me  
duly sworn, upon oath says that the above log is true and  
correct to the best of his knowledge and that the Richmond  
Drilling Co. owes no bills incurred in the drilling of this  
well.

Subscribed and sworn to before me, a Notary Public in and for  
Midland County, Texas on this 28 day of June, 1941.

  
ELIZABETH PRATT  
Notary Public in and for  
Midland County, Texas



Section 101

Section 101 of the Act

Section 101 of the Act

Section 101 of the Act

Section 101 of the Act

Section 101 of the Act

Section 101 of the Act

Section 101 of the Act

Section 102

| Section | 102 | 103 | 104 |
|---------|-----|-----|-----|
| 102     | 103 | 104 | 105 |
| 102     | 103 | 104 | 105 |
| 102     | 103 | 104 | 105 |
| 102     | 103 | 104 | 105 |

Section 102 of the Act

Section 102 of the Act

Section 103

| Section | 103 | 104 | 105 |
|---------|-----|-----|-----|
| 103     | 104 | 105 | 106 |
| 103     | 104 | 105 | 106 |
| 103     | 104 | 105 | 106 |
| 103     | 104 | 105 | 106 |

Section 104

Section 104 of the Act

Section 104 of the Act

Section 105