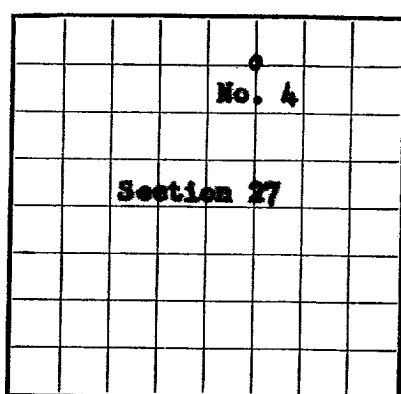


U. S. LAND OFFICE **Las Cruces**  
SERIAL NUMBER **029419 (b)**  
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **Skelly Oil Company** Address **Box 38 - Hobbs, New Mexico**  
Lessor or Tract **Lynch "B"** Field **Grayburg Jackson** State **New Mexico**  
Well No. **4** Sec. **27** T. **17N** R. **31E** Meridian **NMPM** County **Eddy**  
Location **660** ft. **S.** of **N** Line and **1900** ft. **W.** of **E** Line of **Sec. 27** Elevation **3824'** **DF**  
(Derick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed

Date **May 5, 1959**Title **Dist. Supt.**

The summary on this page is for the condition of the well at above date.

Commenced drilling **March 23,** 19 **59** Finished drilling **April 23,** 19 **59**OIL OR GAS SANDS OR ZONES  
No. 1, from **2445'** to **2454'** No. 4, from **3706'** to **3750'**  
No. 2, from **2454'** to **2469'** No. 5, from **3750'** to **3750'**  
No. 3, from **2469'** to **2469'** No. 6, from **3750'** to **3750'**  
**IMPORTANT WATER SANDS**No. 1, from **2445'** to **2454'** No. 3, from **3706'** to **3750'**  
No. 2, from **2454'** to **2469'** No. 4, from **3706'** to **3750'**

## CASING RECORD

| Size casing   | Weight per foot | Thickness   | Make           | Amount       | Kind of shoe | Cut and pulled from | Perforated |          | Purpose           |
|---------------|-----------------|-------------|----------------|--------------|--------------|---------------------|------------|----------|-------------------|
|               |                 |             |                |              |              |                     | From—      | To—      |                   |
| <b>8-5/8"</b> | <b>24</b>       | <b>0.25</b> | <b>SS J-55</b> | <b>745'</b>  | <b>Float</b> | <b>—</b>            | <b>—</b>   | <b>—</b> | <b>Surface</b>    |
| <b>5-1/2"</b> | <b>15</b>       | <b>0.25</b> | <b>SS J-55</b> | <b>3699'</b> | <b>Float</b> | <b>—</b>            | <b>—</b>   | <b>—</b> | <b>Oil string</b> |

## MUDDING AND CEMENTING RECORD

| Size casing   | Where set    | Number sacks of cement | Method used        | Mud gravity | Amount of mud used |
|---------------|--------------|------------------------|--------------------|-------------|--------------------|
| <b>8-5/8"</b> | <b>754'</b>  | <b>150</b>             | <b>Halliburton</b> | <b>—</b>    | <b>—</b>           |
| <b>5-1/2"</b> | <b>3705'</b> | <b>360</b>             | <b>Halliburton</b> | <b>—</b>    | <b>—</b>           |

## PLUGS AND ADAPTERS

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

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from **0** feet to **3754'** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

Put to producing **May 4,** 19 **59**The production for the first **13** hours was **71** barrels of fluid of which **97** % was oil; \_\_\_\_\_ %  
emulsion; **3** % water; and \_\_\_\_\_ % sediment. Gravity, °Bé. **39.5°**

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

## EMPLOYEES

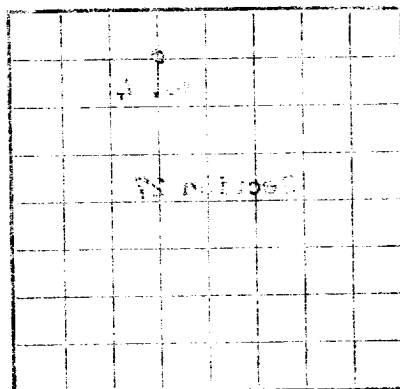
**Cape** \_\_\_\_\_, Driller **Gentry** \_\_\_\_\_, Driller  
**Rinehart** \_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM—       | TO—         | TOTAL FEET | FORMATION                       |
|-------------|-------------|------------|---------------------------------|
| <b>0</b>    | <b>504</b>  | <b>504</b> | <b>Sand &amp; redbeds</b>       |
| <b>504</b>  | <b>685</b>  | <b>181</b> | <b>Anhydrite</b>                |
| <b>685</b>  | <b>1670</b> | <b>985</b> | <b>Salt</b>                     |
| <b>1670</b> | <b>1836</b> | <b>166</b> | <b>Anhydrite &amp; dolomite</b> |
| <b>1836</b> | <b>2206</b> | <b>370</b> | <b>Sand &amp; anhydrite</b>     |
| <b>2206</b> | <b>2851</b> | <b>645</b> | <b>Dolomite &amp; anhydrite</b> |
| <b>2851</b> | <b>3030</b> | <b>179</b> | <b>Sand &amp; dolomite</b>      |
| <b>3030</b> | <b>3268</b> | <b>238</b> | <b>Sand &amp; anhydrite</b>     |
| <b>3268</b> | <b>3600</b> | <b>332</b> | <b>Dolomite &amp; sand</b>      |
| <b>3600</b> | <b>3700</b> | <b>100</b> | <b>Sand</b>                     |
| <b>3700</b> | <b>3754</b> | <b>54</b>  | <b>Dolomite</b>                 |

## GEOLOGICAL TOPS BY MCCULLOUGH GAMMA RAY-NEUTRON LOG:

|                |              |
|----------------|--------------|
| Top Anhydrite  | <b>504'</b>  |
| Top Salt       | <b>685'</b>  |
| Base Salt      | <b>1670'</b> |
| Top Yates      | <b>1836'</b> |
| Top 7-Rivers   | <b>2206'</b> |
| Top Queen      | <b>2851'</b> |
| Top Penrose    | <b>3030'</b> |
| Top Grayburg   | <b>3268'</b> |
| Top Premier    | <b>3600'</b> |
| Top San Andres | <b>3700'</b> |



LOCATE WELL CORRECTLY

## LOG OF OIL OR GAS WELL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Company \_\_\_\_\_ Address \_\_\_\_\_  
Lessor or Tract \_\_\_\_\_  
Well No. \_\_\_\_\_ Sec. \_\_\_\_\_ T. \_\_\_\_\_ R. \_\_\_\_\_  
Location \_\_\_\_\_ of \_\_\_\_\_ line of \_\_\_\_\_  
The information given herewith is a complete and correct record of the well and all work done thereon  
as far as can be determined from all available records.  
Signed \_\_\_\_\_  
Date \_\_\_\_\_

The summary on this page is for the condition of the well at above date.

C.P. 2500' Completed drilling \_\_\_\_\_ 19\_\_\_\_  
26 hrs. Based on 69 bbls. new oil through 3/4" choke in  
After recovering all lead oil well closed 12 hrs. 12.0-40%  
No. 1 from \_\_\_\_\_ to \_\_\_\_\_  
Shut down pressure 2100'. Left shut in 12 hrs. and pressure declined to 1750'.  
Rate 35 bbls. per min. rate 30 bbls. per min. Time of treatment 53 min.  
Rate 35 bbls. per min. rate 30 bbls. per min. Time of treatment 53 min.  
Services, Inc. Started treatment with sand mixed 1/4" per gal. and gradually increased  
Fractured open hole 3705-3754' with 67 1/2 gal. water and 58,060' sand by B. J.  
Fracture treatment 3705-3754' No. 3 from \_\_\_\_\_ to \_\_\_\_\_  
Formation down at 3800' breaking to 3600' with 1 1/2 gal. rate of 43 bbls. per min.  
Spotted 500 gal. of 1% HCl acid on bottom. Filled hole with 112 bbls. oil. Broke  
ACID JOB 3705-3754' No. 3 from \_\_\_\_\_ to \_\_\_\_\_

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or testing.

## HISTORY OF OIL OR GAS WELL

16-52084-2 U. S. GOVERNMENT PRINTING OFFICE

GRAM 0109

## MUDGING AND CEMENTING RECORD

| Size casing | Water used | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|------------|------------------------|-------------|-------------|--------------------|
| 10 1/2"     | 100        | 100                    | 100         | 100         | 100                |
| 10 1/2"     | 100        | 100                    | 100         | 100         | 100                |

## PLUGS AND ADAPTERS

|                       |        |           |
|-----------------------|--------|-----------|
| Heaving plug—Material | Length | Depth set |
| Adapters—Material     | Size   |           |

## SHOOTING RECORD

| Size | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleared out |
|------|------------|----------------|----------|------|------------|-------------------|
|      |            |                |          |      |            |                   |
|      |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## DATES

Put to producing \_\_\_\_\_  
The production for the gas \_\_\_\_\_ hours was \_\_\_\_\_  
emulsion \_\_\_\_\_ water and \_\_\_\_\_ sediment.  
If gas well, can let per 24 hours \_\_\_\_\_  
Rock pressure has been \_\_\_\_\_

## EMPLOYEES

Driller \_\_\_\_\_  
Driller \_\_\_\_\_  
Driller \_\_\_\_\_

## FORMATION RECORD

| FROM— | TO—   | TOTAL FEET | FORMATION |
|-------|-------|------------|-----------|
| 0     | 100   | 100        | 100       |
| 100   | 200   | 200        | 200       |
| 200   | 300   | 300        | 300       |
| 300   | 400   | 400        | 400       |
| 400   | 500   | 500        | 500       |
| 500   | 600   | 600        | 600       |
| 600   | 700   | 700        | 700       |
| 700   | 800   | 800        | 800       |
| 800   | 900   | 900        | 900       |
| 900   | 1000  | 1000       | 1000      |
| 1000  | 1100  | 1100       | 1100      |
| 1100  | 1200  | 1200       | 1200      |
| 1200  | 1300  | 1300       | 1300      |
| 1300  | 1400  | 1400       | 1400      |
| 1400  | 1500  | 1500       | 1500      |
| 1500  | 1600  | 1600       | 1600      |
| 1600  | 1700  | 1700       | 1700      |
| 1700  | 1800  | 1800       | 1800      |
| 1800  | 1900  | 1900       | 1900      |
| 1900  | 2000  | 2000       | 2000      |
| 2000  | 2100  | 2100       | 2100      |
| 2100  | 2200  | 2200       | 2200      |
| 2200  | 2300  | 2300       | 2300      |
| 2300  | 2400  | 2400       | 2400      |
| 2400  | 2500  | 2500       | 2500      |
| 2500  | 2600  | 2600       | 2600      |
| 2600  | 2700  | 2700       | 2700      |
| 2700  | 2800  | 2800       | 2800      |
| 2800  | 2900  | 2900       | 2900      |
| 2900  | 3000  | 3000       | 3000      |
| 3000  | 3100  | 3100       | 3100      |
| 3100  | 3200  | 3200       | 3200      |
| 3200  | 3300  | 3300       | 3300      |
| 3300  | 3400  | 3400       | 3400      |
| 3400  | 3500  | 3500       | 3500      |
| 3500  | 3600  | 3600       | 3600      |
| 3600  | 3700  | 3700       | 3700      |
| 3700  | 3800  | 3800       | 3800      |
| 3800  | 3900  | 3900       | 3900      |
| 3900  | 4000  | 4000       | 4000      |
| 4000  | 4100  | 4100       | 4100      |
| 4100  | 4200  | 4200       | 4200      |
| 4200  | 4300  | 4300       | 4300      |
| 4300  | 4400  | 4400       | 4400      |
| 4400  | 4500  | 4500       | 4500      |
| 4500  | 4600  | 4600       | 4600      |
| 4600  | 4700  | 4700       | 4700      |
| 4700  | 4800  | 4800       | 4800      |
| 4800  | 4900  | 4900       | 4900      |
| 4900  | 5000  | 5000       | 5000      |
| 5000  | 5100  | 5100       | 5100      |
| 5100  | 5200  | 5200       | 5200      |
| 5200  | 5300  | 5300       | 5300      |
| 5300  | 5400  | 5400       | 5400      |
| 5400  | 5500  | 5500       | 5500      |
| 5500  | 5600  | 5600       | 5600      |
| 5600  | 5700  | 5700       | 5700      |
| 5700  | 5800  | 5800       | 5800      |
| 5800  | 5900  | 5900       | 5900      |
| 5900  | 6000  | 6000       | 6000      |
| 6000  | 6100  | 6100       | 6100      |
| 6100  | 6200  | 6200       | 6200      |
| 6200  | 6300  | 6300       | 6300      |
| 6300  | 6400  | 6400       | 6400      |
| 6400  | 6500  | 6500       | 6500      |
| 6500  | 6600  | 6600       | 6600      |
| 6600  | 6700  | 6700       | 6700      |
| 6700  | 6800  | 6800       | 6800      |
| 6800  | 6900  | 6900       | 6900      |
| 6900  | 7000  | 7000       | 7000      |
| 7000  | 7100  | 7100       | 7100      |
| 7100  | 7200  | 7200       | 7200      |
| 7200  | 7300  | 7300       | 7300      |
| 7300  | 7400  | 7400       | 7400      |
| 7400  | 7500  | 7500       | 7500      |
| 7500  | 7600  | 7600       | 7600      |
| 7600  | 7700  | 7700       | 7700      |
| 7700  | 7800  | 7800       | 7800      |
| 7800  | 7900  | 7900       | 7900      |
| 7900  | 8000  | 8000       | 8000      |
| 8000  | 8100  | 8100       | 8100      |
| 8100  | 8200  | 8200       | 8200      |
| 8200  | 8300  | 8300       | 8300      |
| 8300  | 8400  | 8400       | 8400      |
| 8400  | 8500  | 8500       | 8500      |
| 8500  | 8600  | 8600       | 8600      |
| 8600  | 8700  | 8700       | 8700      |
| 8700  | 8800  | 8800       | 8800      |
| 8800  | 8900  | 8900       | 8900      |
| 8900  | 9000  | 9000       | 9000      |
| 9000  | 9100  | 9100       | 9100      |
| 9100  | 9200  | 9200       | 9200      |
| 9200  | 9300  | 9300       | 9300      |
| 9300  | 9400  | 9400       | 9400      |
| 9400  | 9500  | 9500       | 9500      |
| 9500  | 9600  | 9600       | 9600      |
| 9600  | 9700  | 9700       | 9700      |
| 9700  | 9800  | 9800       | 9800      |
| 9800  | 9900  | 9900       | 9900      |
| 9900  | 10000 | 10000      | 10000     |

FORMATION RECORD—Continued