

4-USGS  
2-Tidegater  
1-WP  
1-D  
2-F

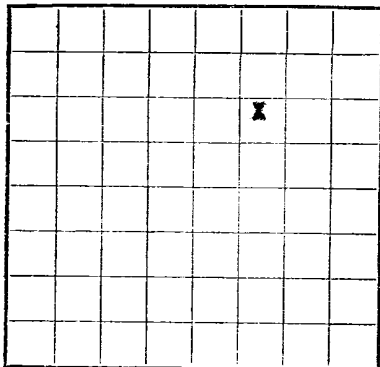
SWP-77

Budget Bureau No. 42-R355.4.  
Approval expires 12-31-60.

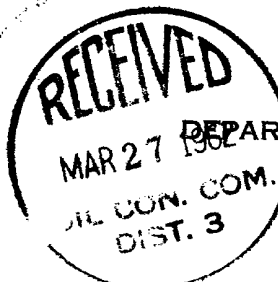
U. S. LAND OFFICE

SERIAL NUMBER **SF-078935**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYRECEIVED  
MAR 20 1962

U. S. GEOLOGICAL SURVEY

## LOG OF OIL OR GAS WELL

Company **Southwest Production Company** Address **207 Petr. Club Plaza, Farmington, N.M.**Lessor or Tract **Thompson Federal** Field **Basin Dakota** State **New Mexico**Well No. **2** Sec. **10** T. **27** N. R. **12** E Meridian **1850** County **San Juan**Location **1850** S. of **N** Line and **1850** ft. W. of **E** Line of **Sec. 10** Elevation **5909** GL  
(Derrick 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 \_\_\_\_\_ Original signed by  
Carl W. SmithDate **March 26, 1962** Title **Superintendent**

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

Commenced drilling **2/14**, 19. **62** Finished drilling **2/25/**, 19**62**

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **G 6127** to **6131** No. 4, from \_\_\_\_\_ to \_\_\_\_\_No. 2, from **G 6142** to **6146** No. 5, from \_\_\_\_\_ to \_\_\_\_\_No. 3, from **G 6104** to **6116** No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

| Size casing   | Weight per foot | Threads per inch | Make             | Amount      | Kind of shoe  | Cut and pulled from | Perforated |     | Purpose           |
|---------------|-----------------|------------------|------------------|-------------|---------------|---------------------|------------|-----|-------------------|
|               |                 |                  |                  |             |               |                     | From—      | To— |                   |
| <b>10 3/4</b> | <b>42.75</b>    | <b>4</b>         | <b>Long Star</b> | <b>200'</b> |               |                     |            |     | <b>Production</b> |
| <b>4 1/2</b>  | <b>19.30</b>    | <b>4</b>         | <b>Long Star</b> | <b>400'</b> |               |                     |            |     |                   |
| <b>1 1/2</b>  | <b>tbq.</b>     | <b>landed</b>    | <b>6143'</b>     | <b>KB</b>   | <b>3/4/62</b> |                     |            |     |                   |

## MUDDING AND CEMENTING RECORD

| Size casing   | Where set   | Number sacks of cement                                                 | Method used            | Mud gravity | Amount of mud used |
|---------------|-------------|------------------------------------------------------------------------|------------------------|-------------|--------------------|
| <b>10 3/4</b> | <b>195</b>  | <b>130</b>                                                             | <b>Pump &amp; plug</b> |             |                    |
| <b>4 1/2</b>  | <b>6199</b> | <b>1st stage w/200 ex 30/50 pozzol 4% gel, 100 ex neat 1% haled #9</b> |                        |             |                    |
|               |             | <b>2nd stage w/150 ex 30/50 pozzol 4% gel.</b>                         |                        |             |                    |
|               |             | <b>Dr tool &amp; 1838</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 **6210** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

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

Rock pressure, lbs. per sq. in. **3,739 MCF****6,954 MCF** EMPLOYEES **51CP & TP 2060#, 3 hr. flow press. tbq. 298#**

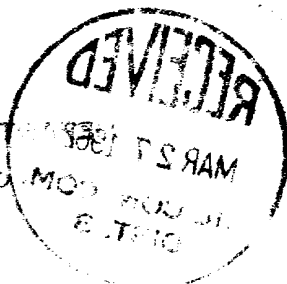
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

**Ira Armstrong**, Driller **S. H. Roberson**, Driller**C. B. Cagle**

## FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION                 |
|-------|-----|------------|---------------------------|
|       |     |            | <b>Electric Log Tops:</b> |
|       |     |            | <b>P. C. 1524</b>         |
|       |     |            | <b>Cliff House 2413</b>   |
|       |     |            | <b>Point Lookout 3960</b> |
|       |     |            | <b>Ranches 4268</b>       |
|       |     |            | <b>Gallup 5104</b>        |
|       |     |            | <b>Greenhorn 5947</b>     |
|       |     |            | <b>Graneros 6002</b>      |
|       |     |            | <b>Dakota 6103</b>        |
|       |     |            | <b>T. D. 6210'</b>        |
|       |     |            | <b>COTD 6177'</b>         |

FORMATION RECORD—CONTINUED



UNITED STATES  
GEOLOGICAL SURVEY  
WASHINGTON, D. C.

LOG OF OIL OR GAS WELL

This log is to be filled out by the driller or his representative. It should be filled out as the well is being drilled, and should be filled out in full when the well is completed. It should be filled out in full when the well is completed, and should be filled out in full when the well is completed.

Original signed by  
C. W. Smith

LOG OF OIL OR GAS WELL

(To be filled out by the driller)

Well No. \_\_\_\_\_

Location \_\_\_\_\_

County \_\_\_\_\_

State \_\_\_\_\_

Section \_\_\_\_\_

Range \_\_\_\_\_

Township \_\_\_\_\_

Latitude \_\_\_\_\_

Longitude \_\_\_\_\_

Depth \_\_\_\_\_

Direction of dip \_\_\_\_\_

Angle of dip \_\_\_\_\_

Direction of strike \_\_\_\_\_

Angle of strike \_\_\_\_\_

Direction of flow \_\_\_\_\_

Angle of flow \_\_\_\_\_

Direction of wind \_\_\_\_\_

Angle of wind \_\_\_\_\_

Direction of rain \_\_\_\_\_

Angle of rain \_\_\_\_\_

Direction of snow \_\_\_\_\_

Angle of snow \_\_\_\_\_

Direction of ice \_\_\_\_\_

Angle of ice \_\_\_\_\_

Direction of fog \_\_\_\_\_

Angle of fog \_\_\_\_\_

Direction of hail \_\_\_\_\_

Angle of hail \_\_\_\_\_

Direction of sleet \_\_\_\_\_

Angle of sleet \_\_\_\_\_

Direction of rain \_\_\_\_\_

Angle of rain \_\_\_\_\_

Direction of snow \_\_\_\_\_

Angle of snow \_\_\_\_\_

Direction of ice \_\_\_\_\_

Angle of ice \_\_\_\_\_

Direction of fog \_\_\_\_\_

Angle of fog \_\_\_\_\_

Direction of hail \_\_\_\_\_

Angle of hail \_\_\_\_\_

Direction of sleet \_\_\_\_\_

Angle of sleet \_\_\_\_\_

Direction of rain \_\_\_\_\_

Angle of rain \_\_\_\_\_

Direction of snow \_\_\_\_\_

Angle of snow \_\_\_\_\_

Direction of ice \_\_\_\_\_

Angle of ice \_\_\_\_\_

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Angle of sleet \_\_\_\_\_

Direction of rain \_\_\_\_\_

Angle of rain \_\_\_\_\_

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Angle of snow \_\_\_\_\_

Direction of ice \_\_\_\_\_

Angle of ice \_\_\_\_\_

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Angle of fog \_\_\_\_\_

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Angle of fog \_\_\_\_\_

Direction of hail \_\_\_\_\_

Angle of hail \_\_\_\_\_

Direction of sleet \_\_\_\_\_

Angle of sleet \_\_\_\_\_

Direction of rain \_\_\_\_\_

Angle of rain \_\_\_\_\_