

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTOIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                        |  |  |  |
|------------------------|--|--|--|
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| SANTA FE               |  |  |  |
| FILE                   |  |  |  |
| U.S.G.S.               |  |  |  |
| LAND OFFICE            |  |  |  |
| OPERATOR               |  |  |  |

5. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER \_\_\_\_\_

6. TYPE OF COMPLETION  
NEW WELL ☐ WORK OVER ☒ DEEPEN ☐ PLUG BACK ☒ DIFF. RESVR. ☐ OTHER \_\_\_\_\_

7. Unit Agreement Name \_\_\_\_\_

8. Farm or Lease Name  
LIVINGSTON

9. Well No.  
7

10. Field and Pool, or Wildcat  
WANTZ ABO

11. Name of Operator  
SHELL WESTERN E&P INC.

12. Address of Operator  
P.O. BOX 576, HOUSTON, TEXAS 77001 (WCK 4435)

13. Location of Well  
UNIT LETTER V LOCATED 915 FEET FROM THE SOUTH LINE AND 2308 FEET FROM \_\_\_\_\_

14. WEST LINE OF SEC. 3 TWP. 21-S RGE. 37-E NMPM \_\_\_\_\_

15. Date Spudded 7-28-52 16. Date T.D. Reached 9-13-52 17. Date Compl. (Ready to Prod.) 11-25-86 18. Elevations (DF, RKB, RT, GR, etc.) 3437' DF 19. Elev. Casinghead \_\_\_\_\_

20. Total Depth 8130' 21. Plug Back T.D. 7166' 22. If Multiple Compl., How Many \_\_\_\_\_ 23. Intervals Drilled By \_\_\_\_\_ Rotary Tools X Cable Tools \_\_\_\_\_

24. Producing Interval(s), of this completion - Top, Bottom, Name  
6960' - 7142' (WANTZ ABO)

25. Was Directional Survey Made  
NO

26. Type Electric and Other Logs Run  
CNL/GR/CCL, GR/TEMP SURVEYS (6)

27. Was Well Cored  
NO

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD             | AMOUNT PULLED |
|-------------|----------------|-----------|-----------|------------------------------|---------------|
| 13-3/8"     | 32.4#          | 222'      | 17-1/4"   | 250 SX REGULAR               | -----         |
| 8-5/8"      | 32#            | 3142'     | 11"       | 1700 SX 4% GEL + 300 SX NEAT | -----         |

| SIZE   | TOP   | BOTTOM | SACKS CEMENT | SCREEN |
|--------|-------|--------|--------------|--------|
| 5-1/2" | 2922' | 8129'  | 865          |        |

| SIZE   | DEPTH SET | PACKER SET |
|--------|-----------|------------|
| 2-3/8" | 6922'     |            |

28. Perforation Record (Interval, size and number)  
6960' - 7142' (4 JSPF, 156 holes)

29. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.  
DEPTH INTERVAL  
SEE ATTACHED  
AMOUNT AND KIND MATERIAL USED

| Date First Production | Production Method (Flowing, gas lift, pumping - Size and type pump) | Well Status (Prod. or Shut-in) |
|-----------------------|---------------------------------------------------------------------|--------------------------------|
| <u>11-25-86</u>       | <u>2" X 1 1/2" X 16' HIGHLAND</u>                                   | <u>PRODUCING</u>               |

| Date of Test   | Hours Tested | Choke Size | Prod'n. For Test Period | Oil - Bbl. | Gas - MCF | Water - Bbl. | Gas - Oil Ratio |
|----------------|--------------|------------|-------------------------|------------|-----------|--------------|-----------------|
| <u>3-17-87</u> | <u>24</u>    |            |                         | <u>5</u>   | <u>20</u> | <u>19</u>    | <u>4000</u>     |

| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API (Corr.) |
|--------------------|-----------------|-------------------------|------------|-----------|--------------|---------------------------|
|                    | <u>30</u>       |                         |            |           |              | <u>40.9</u>               |

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
SOLD

35. List of Attachments  
C-104(5), C-103(3), C-102(3), SQZ/STIMULATION RECORD

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED A. J. FORE TITLE SUPERVISOR REG. & PERMITTING DATE APRIL 7, 1987

This form is to be filed with the appropriate District Office of the Division not later than 26 \_\_\_\_\_ after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. This form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

# INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

|                          |                        |                             |                        |
|--------------------------|------------------------|-----------------------------|------------------------|
| T. Anhy _____            | T. Canyon _____        | T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Salt _____            | T. Strawn _____        | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| B. Salt _____            | T. Atoka _____         | T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Yates _____           | T. Miss _____          | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers _____        | T. Devonian _____      | T. Menefee _____            | T. Madison _____       |
| T. Queen _____           | T. Silurian _____      | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg _____        | T. Montoya _____       | T. Mancos _____             | T. McCracken _____     |
| T. San Andres _____      | T. Simpson 7458'       | T. Gallup _____             | T. Ignacio Qtzte _____ |
| T. Glorieta 5170'        | T. McKee 7748'         | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____         | T. Ellenburger 8102'   | T. Dakota _____             | T. _____               |
| T. Blinebry _____        | T. Gr. Wash _____      | T. Morrison _____           | T. _____               |
| T. Tubb 6137'            | T. Granite _____       | T. Todilto _____            | T. _____               |
| T. Drinkard 6480'        | T. Delaware Sand _____ | T. Entrada _____            | T. _____               |
| T. Abo 6753'             | T. Bone Springs _____  | T. Wingate _____            | T. _____               |
| T. Wolfcamp _____        | T. _____               | T. Chinle _____             | T. _____               |
| T. Penn. 7372'           | T. _____               | T. Permian _____            | T. _____               |
| T. Cisco (Bough C) _____ | T. _____               | T. Penn. "A" _____          | T. _____               |

## OIL OR GAS SANDS OR ZONES

|                            |                            |
|----------------------------|----------------------------|
| No. 1, from _____ to _____ | No. 4, from _____ to _____ |
| No. 2, from _____ to _____ | 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 _____ to _____ | feet. _____ |
| No. 2, from _____ to _____ | feet. _____ |
| No. 3, from _____ to _____ | feet. _____ |
| No. 4, from _____ to _____ | feet. _____ |

## FORMATION RECORD (Attach additional sheets if necessary)

| From | To   | Thickness in Feet | Formation                 | From | To   | Thickness in Feet | Formation                 |
|------|------|-------------------|---------------------------|------|------|-------------------|---------------------------|
| 0    | 190  | 190               | SURFACE SAND              | 7932 | 8085 | 153               | SHALE & SAND W/STREAKS OF |
| 190  | 230  | 40                | RED BEDS                  |      |      |                   | LIME & DOLOMITE           |
| 230  | 1096 | 866               | RED BEDS & SHALE          | 8085 | 8130 | 45                | LIME                      |
| 1096 | 2070 | 974               | RED BEDS, ANHYDRITE, SALT |      |      |                   |                           |
| 2070 | 2574 | 504               | ANHYDRITE & SALT          |      |      |                   |                           |
| 2574 | 3155 | 581               | ANHYDRITE & GYPSUM        |      |      |                   |                           |
| 3155 | 5134 | 1979              | LIME                      |      |      |                   |                           |
| 5134 | 6725 | 1591              | DOLOMITE                  |      |      |                   |                           |
| 6725 | 7363 | 638               | DOLOMITE & LIME W/SHALE   |      |      |                   |                           |
|      |      |                   | STREAKS                   |      |      |                   |                           |
| 7363 | 7440 | 77                | CHERT & DOLOMITE          |      |      |                   |                           |
| 7440 | 7532 | 92                | LIME & DOLOMITE           |      |      |                   |                           |
| 7532 | 7755 | 223               | LIME & SHALE              |      |      |                   |                           |
| 7755 | 7932 | 177               | SAND & SHALE              |      |      |                   |                           |

SHELL WESTERN E&P INC.  
LIVINGSTON NO. 7  
FORM C-105 ATTACHMENT

BLOCK 32 - ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL        | AMOUNT AND KIND MATERIAL USED                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 7760' - 7925'         | SQZD W/75 SX CLS "C" CMT                                                                                                        |
| 7211' (FOR BLOCK SQZ) | ACD W/400 GALS 15% HCL-NEA                                                                                                      |
| 7211'                 | SQZD W/30 SX CLS "C" CMT                                                                                                        |
| 6960' - 7142'         | ACD W/3000 GALS 20% HCL-NEA                                                                                                     |
| 6960' - 7142'         | ACD W/7500 GALS 20% HCL-NEA                                                                                                     |
| 6960' - 7142'         | ACID FRAC'D W/30,000 GALS 28% HCL +<br>15,000 GALS VISCOUS FLUID W/1/2 PPG<br>100 MESH SAND + 32,500 GALS NON-<br>VISCOUS FLUID |

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