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OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

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Form C-103  
Revised 10-1-72

SEP 24 1980

O. C. D.

|                                                                                                       |
|-------------------------------------------------------------------------------------------------------|
| 5a. Indicate Type of Lease<br>State <input checked="" type="checkbox"/> Free <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.<br>LG-6340                                                               |
| 7. Unit Agreement Name                                                                                |
| 8. Field or Lease Name<br>South Empire State Com                                                      |
| 9. Well No.<br>1                                                                                      |
| 10. Field and Pool, or Whichever<br>Empire Morrow, South                                              |
| 12. County<br>Eddy                                                                                    |

SUNDY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR RE-DRILL OR PLUG BACK TO A DIFFERENT RESERVOIR. USE APPLICATION FOR PERMIT TO DRILL (FORM C-101) FOR SUCH PROPOSALS.)

|                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>                                 |
| 2. Name of Operator<br>Doyle Hartman ✓                                                                                                           |
| 3. Address of Operator<br>P. O. Box 10426, Midland, Texas 79702                                                                                  |
| 4. Location of Well<br>UNIT LETTER M 800 FEET FROM THE South LINE AND 1000 FEET FROM THE West LINE, SECTION 24 TOWNSHIP 17-S RANGE 28-E N.M.P.M. |
| 15. Elevation (Show whether D.R., R.T., G.S., etc.)<br>3681 G.L.                                                                                 |

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

|                                                |                                           |                                                                 |                                               |
|------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------|
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/>                          | ALTERING CASING <input type="checkbox"/>      |
| TEMPORARILY ABANDON <input type="checkbox"/>   | CHANGE PLANS <input type="checkbox"/>     | COMMENCE DRILLING OPERATIONS <input type="checkbox"/>           | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/>  | OTHER <input type="checkbox"/>            | CASING TEST AND CEMENT JOBS <input checked="" type="checkbox"/> | OTHER <input type="checkbox"/>                |

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

*Water flow 1960-82 F 1 1/2 BPM.*

Ran 23 jts. (931') of 8 5/8" OD, 32 lb/ft, K-55, ST&C casing and 34 jts. (1569') of 8 5/8" OD, 24 lb/ft, K-55, ST&C casing and landed at 2502' RKB with DV-Tool at 2050'. Cemented first stage with 250 sx Class C cement containing 2% CaCl. Circulated 75 sx excess cement to pits. Cemented second stage with 1000 sx Halliburton Lite cement containing 5 lb/sx gilsonite and 1/4 lb/sx floseal, followed by 100 sx Class C thickset cement containing 3% CaCl. Second stage complete at 11:30 p.m. CDT 9-19-80. Circulated 100 sx excess cement to pits. Allowed second stage to set for 15 hours. Pumped water through DV tool at 3 BPM at 1700 psi. Mixed and pumped a total of 400 sx Class C cement. Squeezed away 335 sx. Final squeeze rate= 1 BPM at 2000 psi. After shutting down, pressure held at 1900 psi. Calculated top of cement inside of casing at 1670'. Presently WOC.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Michelle Hernandez TITLE Administrative Assistant DATE September 23, 1980

APPROVED BY W.A. Grossett TITLE SUPERVISOR, DISTRICT II DATE SEP 30 1980

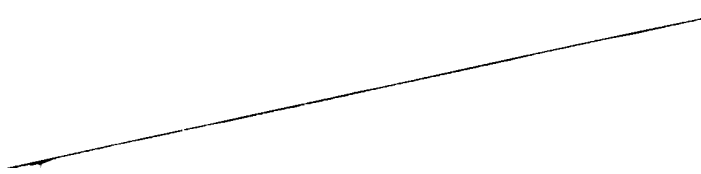
CONDITIONS OF APPROVAL, IF ANY:



**LTR**



**Job separation sheet**



NEW MEXICO OIL CONSERVATION COMMISSION  
DRAWER 10  
ARTESIA, NEW MEXICO

FIELD REPORT FOR CEMENTING OF WELLS

|                                                                                             |                            |                                 |                                 |                 |                    |
|---------------------------------------------------------------------------------------------|----------------------------|---------------------------------|---------------------------------|-----------------|--------------------|
| Operator <u>Doyle Hartman</u>                                                               |                            | Lease <u>S. Empire St. com.</u> |                                 | Well # <u>1</u> |                    |
| Location of Well                                                                            | Unit <u>M</u>              | Section <u>24</u>               | Township <u>17</u>              | Range <u>28</u> | County <u>Eddy</u> |
| Drilling Contractor                                                                         | <u>Kennel Drilling Co.</u> |                                 | Type of Equipment <u>rotary</u> |                 |                    |
| <u>APPROVED CASING PROGRAM</u>                                                              |                            |                                 |                                 |                 |                    |
| Size of Hole                                                                                | Size of Casing             | Weight Per Foot                 | New or Used                     | Depth           | Sacks Cement       |
| <u>12 1/4</u>                                                                               | <u>8 5/8"</u>              | <u>24# + 32#</u>                |                                 | <u>2500'</u>    |                    |
| Casing Data:                                                                                |                            |                                 |                                 |                 |                    |
| Surface <u>41</u> joints of <u>8 5/8"</u> <u>24#</u> <u>32#</u> Grade <u>K-55</u>           |                            |                                 |                                 |                 |                    |
| <u>(Approved)</u> (Rejected)                                                                |                            |                                 |                                 |                 |                    |
| Inspected by <u>M.S.</u> date <u>8/17/80</u>                                                |                            |                                 |                                 |                 |                    |
| Cementing Program                                                                           |                            |                                 |                                 |                 |                    |
| Size of hole <u>12 1/4"</u> Size of Casing <u>8 5/8"</u> Sacks cement required              |                            |                                 |                                 |                 |                    |
| Type of Shoe used <u>guide</u> Float collar used <u>yes</u> Btm 3 jts welded <u>yes</u>     |                            |                                 |                                 |                 |                    |
| TD of hole <u>2507'</u> Set <u>2499'</u> Feet of <u>8 5/8"</u> <u>32#</u> Grade <u>K-55</u> |                            |                                 |                                 |                 |                    |
| <u>New-used</u> csg. @ <u>2499'</u> with <u>250</u> sacks neat cement around shoe           |                            |                                 |                                 |                 |                    |
| + <u>      </u> sax <u>      </u> additives <u>      </u>                                   |                            |                                 |                                 |                 |                    |
| Plug down @ <u>      </u> (AM) (PM) Date <u>9/19/80</u>                                     |                            |                                 |                                 |                 |                    |
| Cement circulated <u>yes</u> No. of Sacks <u>      </u>                                     |                            |                                 |                                 |                 |                    |
| Cemented by <u>Halliburton</u> Witnessed by <u>Mike Stubblefield &amp; Larry Brooks</u>     |                            |                                 |                                 |                 |                    |
| Temp. Survey ran @ <u>      </u> (AM) (PM) Date <u>      </u> top cement @ <u>      </u>    |                            |                                 |                                 |                 |                    |
| Casing test @ <u>      </u> (AM) (PM) Date <u>      </u>                                    |                            |                                 |                                 |                 |                    |
| Method Used <u>      </u> Witnessed by <u>      </u>                                        |                            |                                 |                                 |                 |                    |
| Checked for shut off @ <u>      </u> (AM) (PM) Date <u>      </u>                           |                            |                                 |                                 |                 |                    |
| Method used <u>      </u> Witnessed by <u>      </u>                                        |                            |                                 |                                 |                 |                    |
| Remarks: <u>DV Tool @ 2050' Metal Cusht @ 1890'-1928'</u>                                   |                            |                                 |                                 |                 |                    |

Waterflow @ 1982'-1960' 1 1/2 BPM Super with with chloride

1<sup>st</sup> stage + 250sx C 270cc circulated 50sx. plug down 11:30am 9/19/80

2<sup>nd</sup> stage + 1000sx Hall. life (5# gel., 1/4# flocc) circulated 100sx plugdown

3<sup>rd</sup> stage + 200sx C 270gel  
+ 200sx C 270cc

9/19/80 10:40pm

Starting rate 3 BPM 1600# PSI

ended job 2000# PSI with 30 BBLs cement left in casing.

