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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

## SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5a. Indicate Type of Lease State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
2. Name of Operator <b>Ball Petroleum Company</b>		5. State Oil & Gas Lease No. <b>K-3020</b>
3. Address of Operator <b>P. O. Box 1538 - Midland, Texas 79701</b>		7. Unit Agreement Name
4. Location of Well UNIT LETTER <b>P</b> <b>660</b> FEET FROM THE <b>South</b> LINE AND <b>660</b> FEET FROM THE <b>East</b> LINE, SECTION <b>16</b> TOWNSHIP <b>8-S</b> RANGE <b>32-E</b> NMPM.		8. Farm or Lease Name <b>State</b>
		9. Well No. <b>1</b>
		10. Field and Pool, or Wildcat <b>Button Mesa</b>
15. Elevation (Show whether DF, RT, GR, etc.) <b>4387' GL</b>		12. County <b>Chaves</b>

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

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐  
OTHER ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☐  
CASING TEST AND CEMENT JOB ☐  
OTHER ☐  
ALTERING CASING ☐  
PLUG AND ABANDONMENT ☒

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1108.

Plugging operations started September 14, 1966, completed September 16, 1966.

Pulled and recovered 3654' of 4-1/2" casing.  
PLUGS: 25 sx. in and out of 4-1/2" casing stubb 3681' to 3573'  
25 sx., top of anhydrite, 1675' to 1586'  
25 sx. in and out of 8-5/8" casing shoe 366' to 281'  
20 sx. 60' to surface.

Cut off 8-5/8" Bradenhead; welded on steel plate on top of 8-5/8" casing;  
erected dry-hole marker; cut off production-rig anchors.

Location clean and ready for inspection.

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

SIGNED W. E. Eggenworth

TITLE Drilling Superintendent

DATE 9/28/66

APPROVED BY John W. Runyan

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



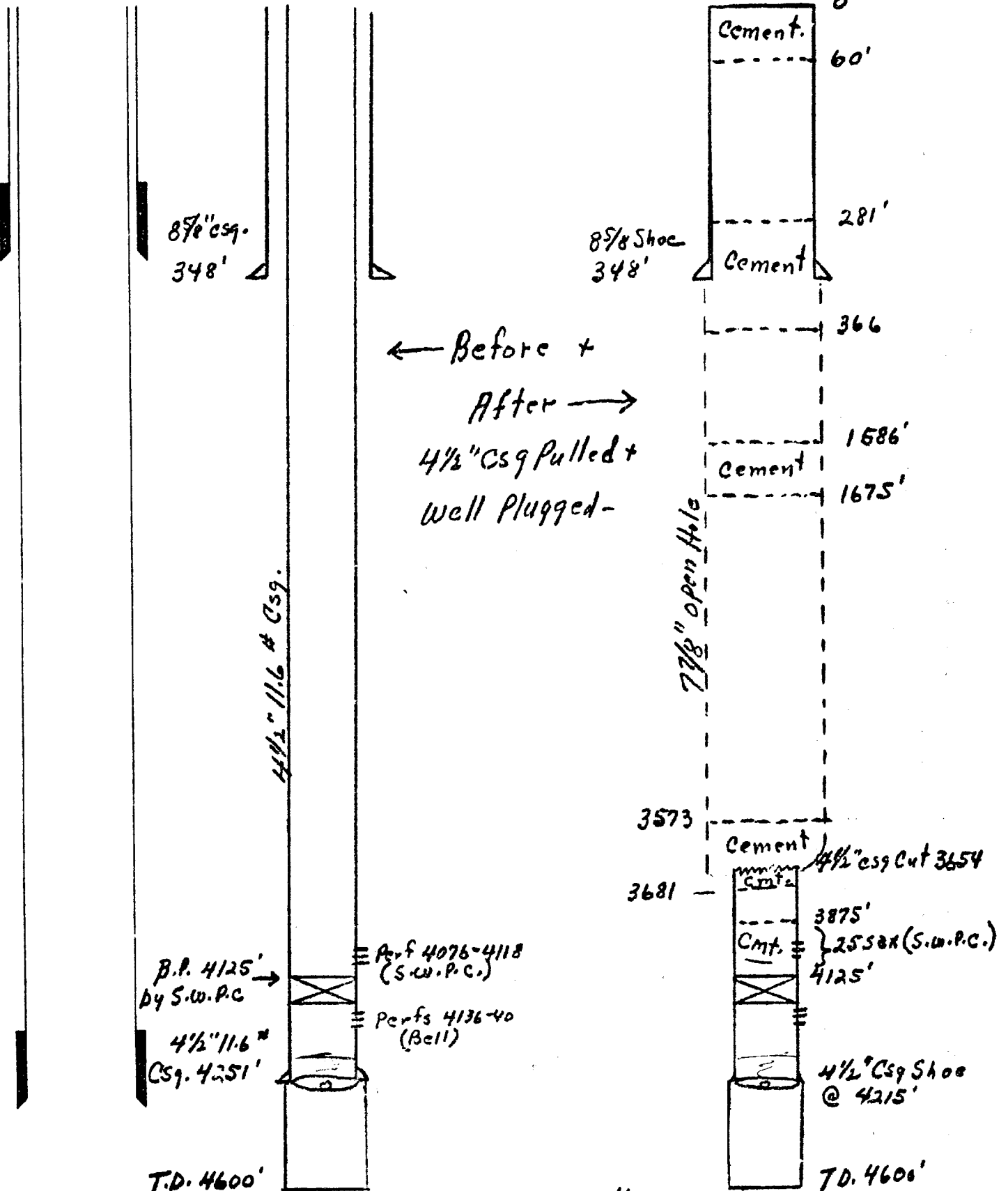
# BAKER OIL TOOLS INC.

SERVING THE WORLD

Supplemental Data

Button Mesa

DATE 9/16/66 WELL NO. 1-16 LEASE State FIELD Chaves County N.M.



A. Ellsworth

BRIDGE PLUG Packer Centralizer Scratcher Basket Perforation

BELL PETROLEUM COMPANY #1 STATE  
 660' EST. & 660' ENL.  
 Section 14, T-9-S, R-12-E  
 Chaves County, New Mexico

Elevation: 4398 K.B.  
 4397 G.L.

<u>FORMATION TOPS</u>	<u>SAMPLES</u>	<u>CHILSBERGER</u>
Anhydrite		1675 (+2723)
Yates	2220 (+2173)	2175 (+2223)
San Andres	3360 (+1933)	3365 (+1933)
San Andres Porosity	4035 (+313)	4093 (+300)
TOTAL DEPTH	4600 (+202)	4602 (+204)

DRILL STEM TESTS

DST #1-A, 4060-4212, open 2 hours, fair blow of air throughout test, nothing to surface. Recovered 2410' gas from drill pipe, and 1535' fluid, being: 610' very heavily oil and gas-cut water, 295' oil, 735' heavy oil and gas-cut water, 103' oil, 180' salty sulphur water, trace of oil, 60' salty sulphur water. DHP 156-6714; 20 minute RHP 13334, BH 2399-23934, Temperature 102° F.

DISCUSSION

Up-hole samples were picked-up at the well location, brought and described in Midland. All samples of wells drilled in this area recover samples of very poor character because of the thick interval of Triassic and Permian Red Clastic sediments; therefore, it is hard to accurately pick formation tops by samples until the hole has been mudded up. The Bell #1 State was mudded up at 3950' and samples from approximately 4050' to Total Depth were of very good character.

The first shows encountered in the samples were logged as hair line fractures in the samples from 4060-70'. The first shows of porosity, stain and fluorescence were logged in the interval from 4090-4100' and were logged back to 4035'. From 4090-4140' shows in the samples averaged Trace-10% intercrystalline porosity, Trace-20% fair stain and 10-30% fair fluorescence. The first shows of water occurred in the 4160' samples in a dolomite with colitic porosity. The hole was drilled to 4212' and Drill Stem Test #1-4060-4212', was taken. Logs were run after the drill stem test had been completed.

After the logs had been correlated, the hole was deepened to 4600', in order to check the lower porosity interval in the San Andres from 4500-4600'. The samples from 4212-4520' were limestone with scattered traces of pin-point porosity, stain and poor-fair fluorescence. The shows appeared to be of residue type of very little merit and no drill stem test was recommended. Shows in the lower porosity zone occurred in the samples from 4530-4600'. They occurred in a dolomite and appeared to be tight and too high in water saturation to merit a drill stem test. Logs were run from Total Depth to 4212', and preparation for completion in the upper San Andres porosity zone was commenced.