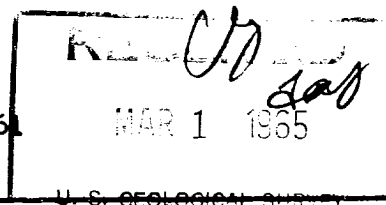




BYRON JACKSON INC.
FARMINGTON, NEW MEXICO
PHONE 325-6961 or 325-9861



Company Name AUSTRAL OIL COMPANY INC.
Company Engineer Lead Hartgraves
Well Name Dakota 2-1 *Candelaria well #1 - 57-57-9*
Casing Size and Hole Size 4 1/2 in 7 7/8 in hole 6672' TD
Stage Collars Set @ 2152' & 4522' Baker Stage tools
Date of Job 1-31-65 County and State San Juan, New Mexico
Drilling Company and Pusher Loffland Bros. Drilling, Wayne Hutson

1 STAGE

GP-100 50 sks 1-30-65
Starting Time for Pre Flush Mix 4:00 PM, Starting Time for Cement Mix 4:15 PM 1-30-65
Sacks of Mix 153 sks Diamix A, 153 sks Type 1 Cement, 1/8 lb. Cello Flake
2% Calcium Chloride A-7
Slurry Vol. 358 Cu. Ft., Slurry Wt. 13.6 #/gal
End of Mixing Time, Flush lines with water, drop plug.
Start Disp. 4:24 PM, Cir. PSI 200, Disp. Fluid, Type Water & Mud
Vc. 3.3, BPM req. for Turbulent Flow 8.03 BBL, 4 1/2 - 7 7/8 " hole.
Rate of Disp. 10.6 BPM, Vol. of Disp. 106 bbls., Max. PSI 2000
Time Plug is Bumped 4:34 PM. Remarks: Good Circ.

Stage Collar opened @ 4:55 PM @ 1000 PSI

2 STAGE

Starting Time for Pre Flush Mix Not Used Starting Time for Cement Mix 9:30 PM 1-30-65
Sacks of Mix 60 sks Diamix A, 60 sks. Type C Cement, 1/4 Gal, 1/3 Cu. Ft.
Strata Crete 6, 1/8 lb. Cello Flake
Slurry Vol. 192 Cu. Ft., Slurry Wt. 12.7 #/gal
End of Mixing Time 9:34 PM, Flush lines with water, drop plug.
Start Disp. Time 9:36 PM, Cir. PSI 700, Disp. Fluid, Type Water & Mud
Vc. , BPM req. for Turbulent Flow
Rate of Disp. 12, BPM, Vol. of Disp. 74 bbls., Max. PSI 2500
Remarks: Good Circ.

Time Plug Bumped 9:42 PM
Stage Collar opened @ 10:00 PM @ 1000 PSI

3 STAGE

Starting Time for Pre Flush Mix Not Used, Starting Time for Cement Mix 3:45 AM 1-31-
Sacks of Mix 60 sks Diamix A, 60 sks Type C Cement, 1/3 Cu. Ft. Strata
Crete 6, 1/8 lb. Cello Flake
Slurry Vol. 192 Cu. Ft., Slurry Wt. 12.7 #/gal
End of Mixing Time 3:50 AM, Flush lines with water, drop plug.
Start Disp. 3:52 AM, Cir. PSI 500, Disp. Fluid, Type Water
Vc. , BPM req. for Turbulent Flow
Rate of Disp. 12, Vol. of Disp. 34 bbls/, Max. PSI 2500
Time Plug is Bumped 3:55 AM 1-31-65
Remarks: Good Circ.

Byron Jackson Inc. Engineers on this Job F. W. Cornell
Trucks Used 1244-P, 5260-B, 5253-B, 5041-B
Name of man making this report F. W. Cornell /by J. Bush