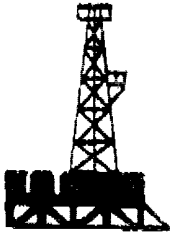


TELECOPIER FORM

**MERIDIAN OIL**



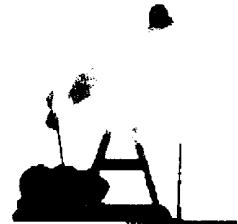
P.O. BOX 4289 Farmington, N.M. 87499-4289

3535 East 30th St.

Farmington, New Mexico 87401

(505) 326-9700

Telecopier Telephone: (505) 326-9833/1st Floor



TO: Frank Chavez

COMPANY: Amoco

TELECOPIER  
NUMBER: 334-6170

FROM: George Duan

DATE: April 17, 1991

TOTAL NUMBER OF PAGES  
(Including this one): 11

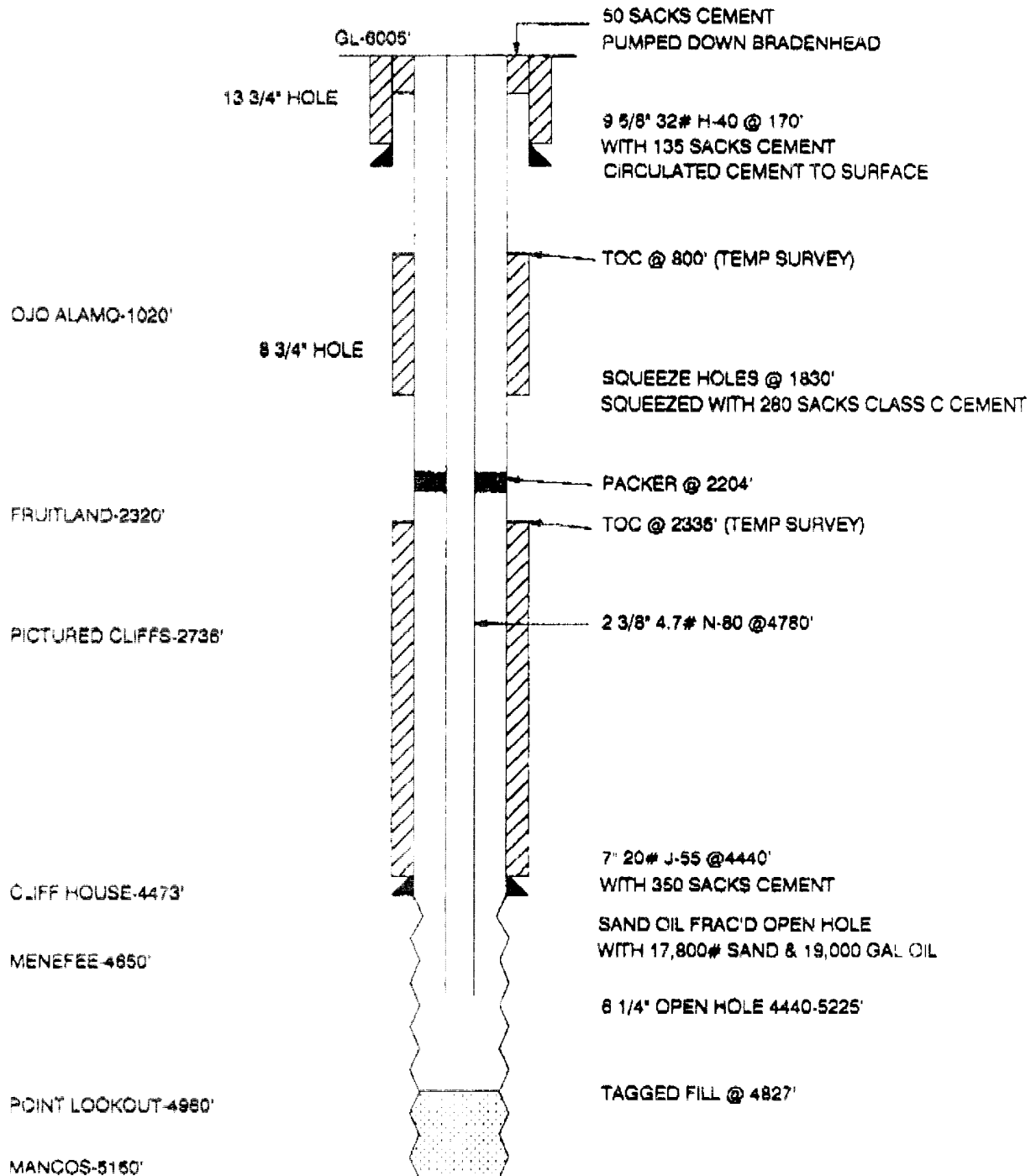
SPECIAL INSTRUCTIONS:

Horton #1

Please call (505) 326-9700 Ext. \_\_\_\_\_ to confirm transmission

# HORTON #1

SW/4 SECTION 35, T32N-R11W  
SAN JUAN COUNTY, NEW MEXICO



DATE: APRIL 12, 1991

NAME: HORTON #1

FORM: MESAUDE

LOCATION

UNIT: M

SEC: 35

TNN: 32N

RNG: 71W

T 32 N

|                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                         |                                                                                                                                                   |                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>77 *<br/>BARNES LS #3A<br/>N/A-411-89<br/>268-318-1595</p> <p>[27]<br/>BARNES #3<br/>1075-289-89<br/>218-225-6206</p> <p>54 *<br/>VAN HOOK LS #1A<br/>N/A-352-86<br/>442-323-2018</p> <p>55 *<br/>VAN HOOK LS #1<br/>1061-492-87<br/>434-383-7235</p> | <p>78 *<br/>BARNES LS #4A<br/>490-367-86<br/>332-300-1804</p> <p>[26]<br/>BARNES LS #8<br/>1033-443-66<br/>280-325-4617</p> <p>56 *<br/>BARNES LS #8A<br/>N/A-365-89<br/>290-342-1908</p> <p>77 *<br/>BARNES LS #4<br/>1097-444-86<br/>221-345-5080</p> | <p>77 *<br/>FIELDS LS #1A<br/>N/A-362-86<br/>386-334-1730</p> <p>[25]<br/>FIELDS LS #2<br/>1088-412-86<br/>125-309-4043</p> <p>53 *<br/>FIELDS LS #2A<br/>N/A-515-86<br/>4426-318-13551</p> <p>77 *<br/>FIELDS LS #1<br/>1101-421-88<br/>149-331-2994</p> | <p>77 *<br/>STOREY A LS #1A<br/>634-440-86<br/>206-329-2065</p> <p>[35]<br/>STOREY A LS #1<br/>1004-412-86<br/>383-372-4970</p> <p>54 *<br/>HORTON #1A<br/>N/A-453-89<br/>134-325-1859</p> <p>55 *<br/>HORTON #1<br/>1034-492-88<br/>28-285-5804</p> | <p>78 *<br/>FIELDS LS #7A<br/>N/A-393-89<br/>602-336-2135</p> <p>[34]<br/>FIELDS LS #7R<br/>465-465-89<br/>550-306-219</p> <p>85 *<br/>HALLADOR PETR.<br/>995-533-89<br/>40-295-4282</p> <p>76 *<br/>STOREY #1A<br/>763-436-89<br/>166-354-2249</p> | <p>77 *<br/>STATE COM L #8A<br/>769-435-89<br/>178-291-2906</p> <p>[36]<br/>STATE COM M #9<br/>1042-372-89<br/>53-279-3682</p> <p>53 *<br/>STATE COM M #8<br/>1098-337-89<br/>2-282-8981</p> <p>75 *<br/>STATE COM M #9A<br/>752-395-89<br/>184-284-2672</p> | <p>78 *<br/>MUDGE LS #5A<br/>N/A-379-89<br/>514-328-3364</p> <p>[3]<br/>MUDGE LS #5<br/>1093-425-87<br/>0-362-3624</p> <p>54 *<br/>MUDGE LS #9A<br/>N/A-382-86<br/>305-2581</p> <p>79 *<br/>MUDGE LS #9<br/>1102-570-89<br/>11-294-4923</p> | <p>79 *<br/>SWAYERS COM LS #1A<br/>N/A-423-89<br/>309-300-1517</p> <p>[2]<br/>PARSONS COM LS #1<br/>1095-439-86<br/>201-328-8267</p> <p>78 *<br/>PARSONS COM LS #1A<br/>N/A-412-89<br/>168-234-1555</p> <p>53 *<br/>SWAYERS COM LS #1<br/>1109-452-87<br/>140-379-6786</p> | <p>77 *<br/>MUDGE LS #4A<br/>703-477-86<br/>695-321-2207</p> <p>[1]<br/>MUDGE LS #4<br/>N/A * EPNG<br/>MUDGE LS #4<br/>P8A</p> <p>67 *<br/>MUDGE LS #4R<br/>930-387-89<br/>689-236-5739</p> <p>77 *<br/>CHILDERS #1<br/>1123-427-89<br/>45-352-4385</p> | <p>77 *<br/>CHILDERS #1A<br/>763-402-89<br/>89-358-2240</p> <p>52 *<br/>SOUTHLAND</p> <p>77 *<br/>CHILDERS #1A<br/>763-402-89<br/>89-358-2240</p> | <p>LEGEND</p> <p>FIRST DELIVERY</p> <p>WELLNAME</p> <p>TRANSIP-TRANSIP-YEAR</p> <p>MCF / D-Pop FLOW-CUM (MMCF)</p> <p>PRODUCTION AS OF 12/01/90</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

T 31 N

R-11-4

Pertinent Data Sheet - HORTON #1

Location: 1043' FSL, 824' FWL, SEC. 35 T-32-N, R-11-W

Field: BLANCO MESAVERDE

Elevation: 6005' GL      Td: 5225'

Completed: 3/11/55

Initial Potential: 6228 MCFGD

Casing Record:

| <u>Hole Size</u> | <u>Csg. Size</u> | <u>Wt. &amp; Grade</u> | <u>Depth Set</u> | <u>Cement</u> | <u>Top</u> |
|------------------|------------------|------------------------|------------------|---------------|------------|
| 13.750"          | 9.625"           | 32.0# H-40             | 170'             | 135 sx        | Surface    |
| 8.750"           | 7.000"           | 20.0# J-55             | 4440'            | 350 sx        | 2335' (TS) |

Tubing Record: 4780' (154 joints) 2.375" 4.7# N-80. Baker Model C fullbore packer set @ 2204'.

Drilling Record: Drilled from surface to 2300' with plain water. Mudded up to 9.2 spg at 2300'. No overpressured zones reported.

Formation Tops:

|             |       |             |       |
|-------------|-------|-------------|-------|
| Ojo Alamo   | 1020' | Cliff House | 4473' |
| Fruitland   | 2320' | Pt. Lookout | 4960' |
| Pic. Cliffs | 2736' | Mancos      | 5160' |

Logging Record: EL, GR-N

Stimulation: Open hole from 4440'-4609'. Sand oil frac with 9000 gals. oil and 7500 lbs. sand.

Open hole from 4981'-5225'. Sand oil frac with 10,000 gals. oil and 10,300 lbs. sand

Workover History: 10/17/63: Perfed 7" casing at 1830'. Squeezed 150 sx cement. resqueezed with 130 sx cement to 2200 psi. Pumped 50 sx cement down bradenhead. Temp. survey indicates top of cement after squeeze from 1830'-800'. Guiberson packer set at 2175'. Replaced rental Guiberson packer with purchased Baker packer in 1986.

Production History: Initial Deliverability - N/A  
Latest Deliverability - 106 MCFGD (1988)  
Cumulative production - 5.8 BCFG 8 MBO

Transporter: Gas Company of New Mexico

ELECTRICAL LOG &  
GAMMA RAY NEUTRON LOG

|                             |           |
|-----------------------------|-----------|
| COUNTY                      | SAN JUAN  |
| FIELD or LOCATION           | BLANCO    |
| WELL                        | HORTON #1 |
| COMPANY AZTEC OIL & GAS CO. |           |

|          |                 |
|----------|-----------------|
| COMPANY  | AZTEC OIL & GAS |
| COMPANY  |                 |
| WELL     | HORTON #1       |
| FIELD    | BLANCO          |
| LOCATION | SEC. 35-32N-11W |
| COUNTY   | SAN JUAN        |
| STATE    | NEW MEXICO      |

|                      |                                                |
|----------------------|------------------------------------------------|
| Location of Well     | 1023° FT S/A<br>824° FT N/L<br>SEC. 35-32N-11W |
| ES-GRN<br>(5C-Temp)  | (1538)                                         |
| Elevation, D.F. 6016 |                                                |
| GL. well             |                                                |
| GL. well             |                                                |
| FILING No. 222       |                                                |

| RUN No.        |            | ONE-E5  |        | ONE-GRM |  |
|----------------|------------|---------|--------|---------|--|
| Done           | 4439       | 2-19-55 | 5221   | 2-16-55 |  |
| First Reading  | 4439       |         | 5221   |         |  |
| Last Reading   | 4439       |         | 4489   |         |  |
| Feet Measured  | 4268       |         | 7029   |         |  |
| Cap. Schum.    | 1160       |         | 4440   |         |  |
| Cap. Diller    | 1170       |         | 4440   |         |  |
| Depth Reached  | 4440       |         | 5228   |         |  |
| Bottom Driller | 4440       |         | 5225   |         |  |
| Depth Bottom   | 4440       |         | 4440   |         |  |
| Mud No.        | 6E1        |         | DR-6AS |         |  |
| Density        | 9.3        |         |        |         |  |
| Viscosity      | 485        |         |        |         |  |
| Essid.         | 1155       |         |        |         |  |
| Res. Btl       | 3.6        |         |        |         |  |
| pH             | 8.5        |         |        |         |  |
| Wtr. Loss      | 5.0        |         |        |         |  |
| Moist. Temp.   | 115        |         |        |         |  |
| Bar Size       | 3/4"       |         |        |         |  |
| SDS-OS-AM      | 16"        |         |        |         |  |
| AD             | 18"        |         |        |         |  |
| Qr Log Time    | 2 HRS      |         | 4 HRS  |         |  |
| Test No.       | 700        |         | 700    |         |  |
| Recorded By    | MONTGOMERY |         | DANIEL |         |  |
| Witnessed By   | SALMON     |         | SALMON |         |  |

Source: Table "Routin" Reading-Request Pad

## ROUTING - REQUEST

Please

☐ READ

☐ HANDLE

☐ APPROVE

☐ FORWARD

☐ RETURN

☐ KEEP OR DISCARD

☐ REVIEW WITH ME

To: WMOED

Date \_\_\_\_\_ From \_\_\_\_\_

REMARKS RUN ONE MOD FROM MOD PIT.  
NEUTRON: LOGGING SPEED 2500'/HR.  
NOTE NEUTRON SCALE CHANGE AT CASING

| B40-280-100(200)                            |       | S220-100(400)                          |                                        |
|---------------------------------------------|-------|----------------------------------------|----------------------------------------|
| SPONTANEOUS POTENTIAL<br>millivolts<br>-10+ | DEPTH | RESISTIVITY<br>-ohms.m <sup>2</sup> /m | RESISTIVITY<br>-ohms.m <sup>2</sup> /m |
|                                             | 2" =  | NORMAL                                 | LONG NORMAL                            |
|                                             | 100'  | 0 100 0                                | 100                                    |
|                                             |       | 0 1000 0                               | 1000                                   |
|                                             |       | LATERAL                                |                                        |
|                                             |       | 0 100                                  |                                        |
|                                             | CSG.  | 0 1000                                 |                                        |
|                                             | 170'  |                                        |                                        |

