

MARALO, INC
Chavelea-Carson
Well No. 1
Section 10, T-9-S, R-31-E
Chaves County, New Mexico

DST #1 3875' to 3967' Mis-run; did not accomplish DST.

DST #2 8644' to 8705' 5/8" BHC. 30" preflow w/GBA, 60" ISIBHP, 2 hr flow WBA (decreasing), 4 hr FSIBHP. Recovery: 900' total fluid; 188' SGCM w/tr oil; 712' SGC salt water. Sample Chamber: 160 psi, 2300 cc salt water w/tr oil, no gas. IHH & FHH 4559 psi, 30" IFBHP 143 to 215 psi, 60" ISIBHP 3419 psi, 2 hr FBHP 215 to 459 psi, 4 hr FSIBHP 3419 psi.

DST #3 8810' to 8864'. Tool open for 30 min preflow with WBA decreasing to VWBA at end of preflow. ISIBHP (60"). Reopened for flow, dead for 8 mins then noted slight bubble of air -- dead after 23 mins-- dead for rest of flow (1 hr flow). FSIBHP (2 hrs). Recovery: 120' uncut DM. Sample Chamber: 15 psi, 1900 cc uncut DM. IHH 4757 psi; 30" preflow 57 psi initial, 86 psi final; 1 hr ISIBHP 1795 psi; 1 hr flow 86 psi initial, 86 psi final; 2 hr FSIBHP 3333 psi, FHH 4729 psi; BHT 138 deg F.

DST #4 10,060' to 10,180' No water blanket. Opened tool w/GBA increasing to 190 psi, opened to pit on 1/4" chk after 5 mins. GTS in 8 mins. Pressure increased to 600 psi after 15 mins; est GR 885 MCFPD. Closed tool after 15 min preflow. SI 1 hr. Re-opened tool on 1/4" w/SBG; pressure increased to 1275 psi after 1 hr 10 mins, est GR 1880 MCFPD. Closed tool after 1 hr 10 mins flow. SI 2 hrs Re-opened tool on 1/4" chk w/SBG; pressure increased to 1520 psi after 1 hr 54 mins -- turned thru test equip (300 psi on test separator). Flow rates as follows:

<u>TIME</u>	<u>CHOKE</u>	<u>PRESSURE</u>	<u>BC PRODUCED</u>	<u>EST GR(MCFPD)</u>	<u>BC/MM</u>
1 hr	16/64"	1925	4.20	2390	42.2
1 hr	17/64"	1625	9.80	2210	106.4
1 hr	18/64"	1400	5.07	2110	57.7
1 hr	19/64"	1350	4.65	2290	48.7

Closed tool (6 hrs 04 mins last flow) @ 8:10 PM, 3-9-77 for FSIBHP. Pulled pkr loose -- pulled 50 stands for reversed out 8.40 bbls condensate. Finished POH w/DST tools. Sample Chamber: 400 psi, 11.2 CF gas, trace condensate and DM. IHH 5310 psi, 15" preflow 840-2126 psi; 120" SIBHP 3386 psi; 364" flow 898 initial, 2970 psi 16/64" chk, 2390 psi 17/64" chk, 2173 psi 18/64" chk 2118 psi 19/64" chk (final; 11 hr 20 min SIBHP 3288 psi (Clock ran out); FHH (clock ran out); BHT 149 deg F. Gvty of condensate 59.1 deg API @ 60 deg F (sample caught @ sep.). Gvty of condensate 52.9 deg API @ 60 deg F (reversed out sample).

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U.S. DEPARTMENT OF AGRICULTURE
WASHINGTON, D.C.

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- DST #5 10,225' to 10,320' No water blanket. Tool opened w/GBA -- pressure increased to 275 psi in 15 mins, SI after 15 mins preflow. Opened to pit to bleed off pressure - GTS 10 mins after tool SI for 60 mins SIBHP. Reopened tool, to pit w/GB, on 1/4" chk for 1 hr flow - surface pressure increased steadily to 1100 psi after 1 hr (est GR 1600 MCFPD). Closed tool for 2 hr SIBHP. Reopened tool, to pit, w/GB - surface pressure increased steadily to 1300 psi after 1 1/2 hr flow (est GR 1900 MCFPD). Closed tool for 3 hr SIBHP. (Note: Well unloaded cond CM while on final SIBHP). Reversed out 5 BC. Sample Chamber: gauge plugged; 14.5 CF gas w/tr cond. IHH 5446 psi, 15" flow 641-688 psi; 1 hr SIBHP 3642 psi; 1 hr flow 558-1693 psi, 2 hr SIBHP 3625 psi; 1 1/2 hr flow 719-2208 psi; 3 hr SIBHP 3616; FHH 5404; BHT 151 deg F.
- DST #6 10,312' to 10,439' No water blanket. Tool open w/WBA increased to GBA at end of 15" preflow. Closed in for 1 hr SIBHP; reopened tool w/GBA decreasing to WBA at end of 1 1/2 hr flow. Closed in for 3 hr SIBHP. Recovery: 115' uncut DM. Sample Chamber: 10 psi contained 600 cc uncut DM. IHH 5527 psi, 15" preflow 174-174 psi; 1 hr SIBHP 327 psi; 1 1/2 hr flow 152-131 psi; 3 hr SIBHP 1067 psi; FHH 5569 psi.

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