

SEMGS AU #909 WELLBORE DIAGRAM



Hole Size: 12 1/4

ELEV: KB: 4080.6'
GL: 4064'
CORR: 16.6'

8-5/8" 24# J-55 CSG @ 1150'.
CMT'D W/430 SX CL "C" W/2%
CACL & 4% gel F/B 200 SX CL
"C" + 2% CACL. CIRC 145SX
TO SURF.

2 1/4" TBG @ 4367

GRAYBURG/SAN ANDRES PERFS 1 SPF
4308'-4324' 4372'-4382'
4388'-4408'

PBTD: 4479'
TD: 4540'

5-1/2" 17# J-55 LTC CSG @ 4540'. CMT'D
W/525 SX INTERFILL "C" F/B 200 SX CLASS
"C". CIRC 55 SX TO SURF.

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Hole Size: 7 7/8

DATA

LOCATION: 944' FNL & 330' FEL, UNIT A, SEC 32, T17S, R33E

COUNTY/STATE: LEA COUNTY, NEW MEXICO

FIELD: MALJAMAR GRAYBURG SAN ANDRES

FORMATION: GRAYBURG

SPUD DATE: 12/08/05

COMPLETION DATE:

IP:

NMOC D LEASE NO: API #: 30-025-37386

CTOC ACCTG #: 450

PRODUCTION METHOD:

TUBING STRING:

HISTORY

12/08/05: SPURRED WELL.

12/16/05: TD 4540'. RAN 5-1/2" 17# CSG. CMT'D W/ 525 INTERFILL "C" F/B 200SX CLASS "C". CIRC 55SX TO SURF.

1/12/06: RIH W/ WS, TAG PBTD @ 4479', CIRC CSG CLEAN WITH 2% KCL.

1/13/06: RIH W/ GR/RADIAL CEMENT BOND LOG & LOG UP FROM PBTD UP TO 3000', PERFORATE GB/SA INTERVALS 1 SPF FROM 4308'-4408' (46 TOTAL HOLES), TIH W/ PACKER & RBP ON WS, SET RBP @ 4442', SET PACKER @ 4360'

1/16/06: ACIDIZE GB/SA PERFS (4372'-4408') WITH 2450 GAL 15% HCL ACID & 50 BS @ 5.1 BPM & 2251 PSI, BALLED OUT, ISIP 1716 PSI, 15 MIN 728 PSI, REL PKR, TIH TO RBP, REL RBP, POH & SET RBP @ 4350', SET PKR @ 4261', ACIDIZE PERFS (4308-4324) W/ 1500 GAL ACID & 35 BS @ 5.1 BPM & 2240 PSI, BALLED OUT, PUMP REMAINING 600 GAL OF ACID @ 5.2 BPM & 2107 PSI, ISIP 1569 PSI, 15 MIN 707 PSI, SWAB 30 BLW

1/17/06: SWAB, IFL 1200 FFS, REC 60 BLW, NO OIL CUT, EFL 3500 FFS, LD WS, PREP TO FRAC DOWN CSG

1/18/06: RU STINGER, PROTECHNICS & BJ, FRAC GB/SA DOWN 5 1/2" CSG WITH 53,500 GALLONS 30# LINEAR GEL, 51,000 GALLONS 40# LINEAR GEL CARRYING 8,000 # 14/30 LITEPROP-125, 84750# 16/30 WHITE SAND & 18,000# 16/30 SUPER LC SAND, AIR 74 BPM @ 2850 PSI, ISIP 1877 PSI, 15 MIN 1509 PSI, RD BJ, PROTECHNICS & STINGER

1/19/06: WELL ON VACUUM, TAG UP @ 4360', CO TO 4480' W/ NC & BAILER, RU PROTECHNICS, RIH W/ SPECTRASCAN LOGGING TOOL AND LOG FROM 4500' UP TO 3900', LOG INDICATED TREATMENT STAYED WITHIN ZONES

1/23/06: RIH W/ 2 7/8" PROD TBG, SN @ 4362', TAC @ 4169', RIH W/ 2" X 1.5" X 24' PUMP ON 96 3/4" RODS & 76 7/8" RODS

1/24/06: SET LUFKIN PUMPING UNIT (320-256-100)

1/25/06: SET GENERATOR, BEGAN PUMPING WELL

2/5/06: P. 0 BO, 210 BW, 0 MCF, FL: 2347' FAP, UNIT RUNNING 9 SPM

2/12/06: P. 6 BO, 324 BW, 0 MCF, FL: 2425' FAP, UNIT RUNNING 14 SPM

2/16/06: SD TO UPSIZE PUMPING EQUIPMENT

2/18/06: RIH W/ 2 7/8" PROD TBG, SN @ 4429', TAC @ 4239', RIH W/ 2.5" X 2.25" X 24' TBG PUMP ON 6 1.5" SINKER BARS, 34 3/4", 68 7/8" & 67 1" RODS

2/20/06: SET 640 PU (AMERICAN 640-365-168)

2/23/06: WELL NOT PUMPING

3/2/06: RIH W/ 2 1/2" TBG PMP, SN @ 4367', TAC @ 4178' ON 2-7/8" TBG, RIH W/ DOUBLE BALLED SV, 2-1/4" PLUNGER, 6 1.5" SINKER BARS, 32 3/4", 68 7/8" & 67 1" RODS, RWTP

3/5/06: P. 0 BO, 611 BW, 0 MCF, FL: 2941' FAP

3/12/06: P. 35 BO, 650 BW, 50 MCF, 24 HRS

3/13/06: P. 35 BO, 641 BW, 60 MCF, FL: 1028' FAP GAS FREE, 3115' FAP TOTAL