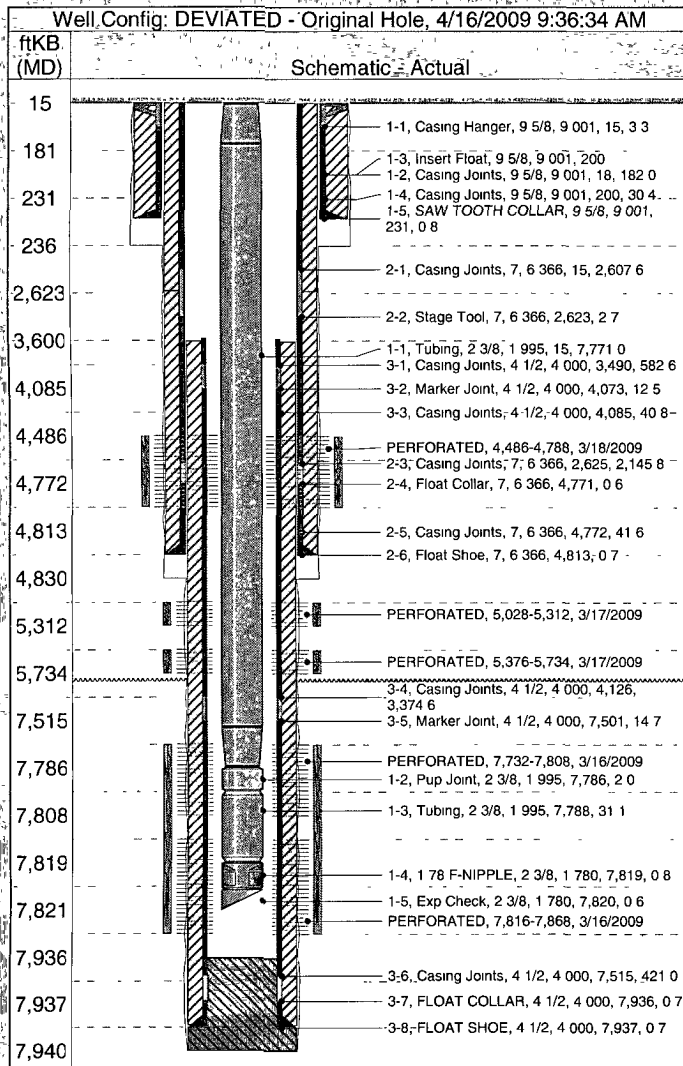


County RIO ARRIBA	State/Province NEW MEXICO	Surface Legal Location 018-029N-006W-F	N/S Dist (ft) 2,170.00	N/S Ref FNL	E/W Dist (ft) 1,920.00	E/W Ref FWL
Gr Elev (ft) 6,316.00	Orig KB/RT (ft) 6,331.00	Latitude (DMS) 36° 43' 37.031" N	Longitude (DMS) 107° 30' 22.122" W	Original Spud Date 4/21/2008	Rig Release Date	



Casing Strings

Surface, 231.5ftKB

Casing Description	Centralizers Count
Surface	4

Comment

RIG UP AND RUN 7 JTS. 9 5/8" H-40, 32.3#, ST&C CASING. SET @ 231.48'. TORQUE TO 2400 FT/LBS.

Intermediate, 4,814.0ftKB

Casing Description	Centralizers Count
Intermediate	33

Comment

RUN 116 JTS J-55 # 23, 7" CSG, SET @ 4814 FT, FLOAT SHOE @ 4813 FT, FLOAT COLLAR @ 4771 FT, P/U TAG JOINT, TAG @ 4826', L/D TAG JOINT & CIRC @ 4799', P/U LANDING JOINT, M/U MANDREL, SET CASING @ 4814'

Cement

Surface Casing Cement, casing, 4/21/2008 15:00

Description

Surface Casing Cement

Cement Stages

Comment

PUMP 10 BBL H2O, DUMP 76 SXS, (21.6 BBL SLURRY) TYPE I-II CEMENT WITH 20% FLYASH @ 14.5 PPG INTO CASING. DROP PLUG AND DISPLACE WITH 13 BBL H2O. CIRCULATED 5 BBL CEMENT TO SURFACE.

Intermediate Casing Cement, casing, 2/14/2009 01:00

Description

Intermediate Casing Cement

Cement Stages

Comment

STAGE 1- PREFLUSH: 10 BBL FRESH WATER 10BBL GELMUD, 10 BBLS OF FRESH WATER. SCAVENGER: 75% TYPE X1/25% CLASS G, .25 LB/SX, CELLOPHANE FLAKES(D29, LOST CIRC) 3% SODIUM MEDASILICATE (D79,EXT), 20% D46,20 SKS OR 12.9 BBLS @ 10.3 PPG, LEAD: 75% TYPE X1/25% CLASS G, 25LB/SX, CELLOPHANE FLAKES(D29, LOST CIRC) 2% SODIUM MEDASILICATE (D79,EXT), 20% D46, 300 SKS OR 113 BBLS @ 11.7 PPG, TAIL 50-50 POZ/ MTN G, .25 LB/SK CELLOPHANE FLAKE (D29, LOST CIRC)5 LB/SK GILSONITE (D24, EXT) 2% BENT (D20,EXT),.15%FRICREDUCER, 130 SKS OR 29 BBLS @ 13.5PPG, DIS PLACEMENT 190 BBLS, (45 BBLS CMT BACK TO SURFACE)

STAGE 2- PREFLUSH: 10 BBL FRESH WATER 10BBL GELMUD, 10 BBLS OF FRESH WATER. SCAVENGER: 75% TYPE X1/25% CLASS G, .25 LB/SX, CELLOPHANE FLAKES(D29, LOST CIRC) 3% SODIUM MEDASILICATE (D79,EXT), 20% D46,20 SKS OR 12.9 BBLS @ 10.3 PPG, LEAD: 75% TYPE X1/25% CLASS G, 25LB/SX, CELLOPHANE FLAKES(D29, LOST CIRC) 2% SODIUM MEDASILICATE (D79,EXT), 20% D46, 370 SKS OR 140 BBLS @ 11.7 PPG, DISPLACEMENT 105 BBLS, (35 BBLS CMT BACK TO SURFACE)

Production Casing Cement, casing, 2/18/2009 12:00

Description

Production Casing Cement

Cement Stages

Comment

PRESSURE TEST PUMPS & LINES TO 2,500# 10 BBLS MUD FLUSH 2 BBLS H2O. 10 SKS SCAVENGER @ 10.3PPG, YIELD= 3.4 CU.FT/SK, TAIL: 320 SKS, 82 BBLS 50-50 POZ/ MTN G, .25 LB/SK CELLOPHANE FLAKE (D29, LOST CIRC), 5 LB/SK KOLITE (D42, EXT) 3.5% BENT (D20,EXT) @ 13.0PPG , YELD= 1.44 CU.FT/SK, DROP PLUG & DISPLACEMENT W/123 BBLS FRESH WATER PRESSURE PRIOR TO PLUG DOWN 807 PSI, BUMP PLUG TO 1402 PSI AND HOLD FOR 10 MIN. FLOWED 0.5 BBLS WATER BACK TO TANK. FLOATS HELD OK.

Cement Plug, plug, 2/18/2009 12:01

Description

Cement Plug

Cement Stages

Comment

RCVD APR 29 '09
OIL CONS. DIV.

DIST. 3