

Gruy Petroleum Management

Palmillo State Com #4

1980' FSL & 660' FWL

Sec. 32 18S-29E, Eddy County New Mexico

API No: 30-015-31497

1/30/01

TD: 444'; FTG: 444'; PO: Weld on WH.
Drl 40'-288'. WL surv 246' 1/2 deg. Drl 288'-444'. Circ @ csg pt. Drop Totco & TOH.
Run 10 jts 13.375, H 40, 48 #, st&c, CSA 444', 4 centralizers, top 60', bottom 434'
wash last jt to bottom and circ prior to cementing. Cmt W/ 325 SX'S Premium Plus W/
4 % gel, 2 % CACL2, 1/4 #/SX flocele. Tail in w/ 150 SX'S Premium Plus w/ 2 % CACL2,
Plug dn.. 23:30, 01/29/01, circ 143 sx's to surface. WOC 24 hrs, jet pits & weld on head.
TD: 475'; FTG: 31'; PO: Drlg. Weld on head & NU. Test bop 750 psi. PU bit & BHA.
TIH w/ bit # 2. Drill cement & shoe. Drill 444'-475'. TD: 1280'; FTG: 805'; PO: Drlg.
Drill 475'-726'. WLS, 684', 1/2 deg. Drill 726'-849'. LD dn. 5 jts DP, PU 5 DC's. Drill
849'-1122'. WLS, 1080', 1.25 deg. Drill 1122'-1280'. TD: 2014'; FTG: 734'; PO: Drlg.
Drill 1280'-2014'. WLS, 1911', 1 deg. TD: 2511'; FTG: 497'; PO: Drlg. Drlg 2014'-2353'.
Surv @ 2311' 3/4 deg. Drl 2353'-2511'. TD: 2885'; FTG: 374'; PO: TIH.
Drlg 2511'-2758'. Surv @ 2716' 1 deg. Drl 2758'-2885'. TOH w/bit #2, TIH w/bit #3.
TD: 3200'; FTG: 315'; PO: Running csg. Ream 40' to bottom. Drlg f/ 2885'-3200'.
Circ. TOH (strap out). RU LD machine & BHA. RU csg crew run 8 5/8" csg.

2/6/01

TD: 3200'; FTG: 0'; PO: TIH. Run 78 Jts. 8 5/8" csg, ST&C, J55, 32.00#. Casing set @ 3200'
RU Haliburton, cmt with Lead : 1075 sx, Interfill "C", 1/4 # Flocele. Tail : 200sx,
Premium Plus, 2% Calcium Chloride. Circulated 127sx to reserve pit, Plug down @
11:30 AM MST. ND, set slips, cut off 8 5/8". NU B-section & BOP. Test BOPs, 300psi Low,
5000Psi High, (All Tested). PU BHA. TD: 3671'; FTG: 471'; PO: Drlg.
Change circulating lines to outside reserve pit. TIH. PU 2 DC's, 4 jts. DP. WOC 24 hrs Drill float
collar & cement. Drlg formation F/3200' to 3458'. Survey @ 3416' 1/4. Drlg F/3458' to
3671'. TD: 4202'; FTG: 531'; PO: Drlg. Drlg. F / 3671'-3678'. Arrange drill pipe on racks,
removed bad pipe. Drlg. F / 3678'-4202'. Survey @ 3824' 1/2 deg. TD: 4665'; FTG: 463'; PO: Drlg
Drlg F/4202'-4665'. WLS 4230' 1.2 deg. TD: 5010'; FTG: 345'; PO: Trip for bit. Drlg F/4665'-4710'.
WLS 4668' 1/2 deg. Totco & trip for bit. TD: 5457'; FTG: 447'; PO: Drl 20' hr. PU 2-6 1/2" DC.
TIH. W&R 68' to btm. Drl 5010'-5457'. TD: 5920'; FTG: 463'; PO: Drl 20' hr. TD: 6385'; FTG: 465';
MW: 9.8; MV: 29; PO: Drlg. WLS 5944' 1/2 deg. TD: 6831'; FTG: 446'; MW: 9.8; MV: 29; PO: Drlg.
WLS 6831' 1/2 deg. TD: 7205'; FTG: 374'; MW: 9.8; MV: 29; PO: Drlg. WLS 6820' 1/4 deg.
TD: 7556'; FTG: 351'; MW: 9.8; MV: 29; PO: Drlg. WLS 7226' 1 deg. TOH for bit #6.
TD: 7765'; FTG: 209'; MW: 9.8; MV: 29; PO: Drlg. TD: 8130'; FTG: 365'; MW: 9.8; MV: 29; PO: Drlg.
TD: 8455'; FTG: 325'; MW: 9.8; MV: 29; PO: Drlg. TD: 8755'; FTG: 299'; MW: 9.9; MV: 29; PO: Drlg.
WLS 8413' 1/2". TD: 9060'; FTG: 305'; MW: 9.9; MV: 29; PO: Drlg. WLS 8789' 1/2".
TD: 9285'; FTG: 225'; MW: 9.9; MV: 28; PO: Drlg. Trip 39' stds for wash out, LD 10 jts DP, 5 jts
above & below wash out. TD: 9620'; FTG: 335'; MW: 9.9; MV: 28; PO: Drlg. TD: 9741'; FTG: 121';
MW: 9.9; MV: 28; PO: Drlg. Pmp soft line, TOH 79 std's for wash out DP, POOH to DC's ru inspectors.
Inspect DC's, 1 cracked box, replace DC, & rm's and bit. TIH DC's and one row DP. Cut drilling
line. TIH w/ bit # 7. Drill 9673-9741' TD: 10078'; FTG: 337'; MW: 9.9; MV: 28; PO: Drlg.
TD: 10268'; FTG: 190'; MW: 9.9; MV: 29; PO: Drlg. Trip for wash out 83 std's. Drill 10078'-10174',
add starch for 19.2 wl. WLS, 10132', 1deg. Drill 10174'-10268'. TOH for Wash out. TD: 10268'; FTG: 0';
MW: 9.9; MV: 29; PO: LD DP. Trip 83 std's for wash out in DP. LD DP. Repair high drum clutch.
LD DP. TIH w/DC. Wait on DP inspectors. TD: 10268'; FTG: 0'; MW: 9.9; MV: 29; PO: LD DP.
Wait on DP inspectors. TIH w/ BHA. Inspect DP, reject 159 jt's due to Rockwell
hardness test, PU, 29 jt's inspected 20 # DP and 35 jt's inspected 16.6 # DP, inspect
remainder 20 # DP. Wait on 196 jt's brand new 16.6 # DP from Snyder TX. Unload and
remove protectors from new 16.6 # DP. PU new 16.6 3 DP Note: 217 jt's 4.5, 16.6 # DP delivered.
TD: 10268'; FTG: 142'; MW: 10; MV: 31; PO: Drlg. PU DP. Install rotating hd. TD: 10720'; FTG: 310';
MW: 10; MV: 32; PO: Drlg. WLS 10516' 1/2 deg. TD: 11046'; FTG: 326'; MW: 10; MV: 31; PO: Drlg.
WLS 10919' 3/4 deg. TD: 11340'; FTG: 294'; MW: 10; MV: 31; PO: Drlg. TD: 11476'; FTG: 135'; MW: 10;
MV: 31; PO: Drlg. Loggers @ 11475'. Run Baker Atlas, Compensated Z Densilog, comp. Neutron,
and Gamma Ray log, Dual lateral, Micro Laterolog, and Run Schlumberger RFT log. TIH.
TD: 11476'; FTG: 0'; MW: 10; MV: 39; PO: Run DST. TIH. Circ off gas 60 std's off bottom. TIH. C&C hole &
wait on orders trip for DST. TD: 11,475'; FTG: 0'; MT: BW; MW: 10; MV: 31; PO: Lay down DST tools
TIH with DST tools. Run DST, Final flow 1850 psi on 16/64 choke, psi still increasing.
Open circ. Tool and circ and condition hole. Chain out of hole and lay down DST tools.
TD: 11,475'; FTG: 0'; MT: BW; MW: 10; MV: 31; PO: Circ and clean Load out Drill Stem Test tools.
TIH. Cut drilling line. TIH. Wash and ream and circulate and condition mud, clean sloughing shales.
Pull 10 stds. Wait 1 hour. TIH and wash and ream 5 stds to bottom and circulate and clean sloughing shale.
TD: 11,475'; FTG: 0'; MT: BW; MW: 10.3; MV: 140; PO: Circ & clean Circulate and condition hole and mud, and
clean up sloughing shale.