

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

New Mexico Oil Conservation Division, District  
1625 N. French Drive  
Hobbs, NM 88240

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Lease Serial No. <b>NM 0450847</b>
2. Name of Operator <b>Latigo Petroleum, Inc.</b>		6. If Indian, Allottee or Tribe Name
3a. Address <b>550 W. Texas, Suite 700 Midland, TX 79701</b>	3b. Phone No. (include area code) <b>(432)684-4293</b>	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>810' FSL &amp; 1980' FWL Sec. 13 (N), T9S, R35E</b>		8. Well Name and No. <b>Federal A #5</b>
		9. API Well No. <b>30-025-21304</b>
		10. Field and Pool, or Exploratory Area <b>Bough; San Andres (Gas)</b>
		11. County or Parish, State <b>Lea NM</b>

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

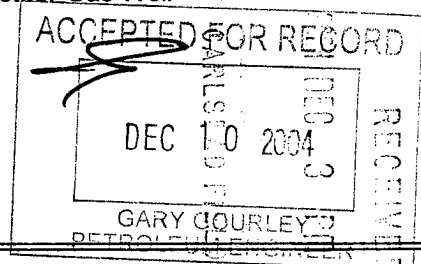
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Project: Repair well failed BHT 4-20-04 - csg has 1000 psi all oil.

See attached daily workover report with work beginning on 7/20/04 for zone abandonment and additional perfs bringing well back on production as a Gas Well, producing from the Bough; San Andres (Gas) pool.

Additional attachments: Amended Form C-102 Well Location and Acreage Dedication Plat  
Form C-122 Multipoint and One Point Back PPressure Test for Gas Well



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Donna Frazier</b>		Title <b>Production Analyst</b>
Signature <i>Donna Frazier</i>		Date <b>11/23/2004</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**FEDERAL A #5**

Sec 13 (N), T9S, R35E

Lea County, NM

API No: 30-025-21304

Devonian SWD Pool

Project: Repair well failed BHT 4-20-04 - csg has 1000 psi all oil

Need to TA, PA or put on active inj. 1<sup>st</sup> letter of non-compliance

Repair due 7-24-04

- 9-09-04** Continue to RIH to top of fish w/4-3/4" cutrite btm shoe, jars, 6- 3-1/2" dc's & 2-7/8" N-80 WS, break circ, begin milling on junk, dry drl, spud, drl in reverse circ, finally get bite w/shoe getting brass in returns, make 3", circ clean, PU & SDFN
- 9-10-04** Continue to RIH to top of fish w/4-3/4" cutrite btm shoe, jars, 6- 3-1/2" dc's & 2-7/8" N-80 WS, break circ, begin milling on junk, dry drl, spud, drl in reverse circ - getting good metal cuttings. Very slow drlg. Make 3" in 7-hrs, POOH & ck shoe. Rec 8-1/2" long piece of mandrel w/4" of pkr body. PU & RIH w/4-3/4" cutrite btm shoe, extension 10' jars & 6- 3-1/2" dc's, 2-7/8" N-80 WS to top of fish.
- 9-11-04** Continue to RIH w/tools, break circ, begin milling on junk, make 14", junk turning some, rec some metal & iron/scale, circ clean, PU 1 jt & SDFN
- 9-12-04** Op BOP, drop down to fish, break circ, begin milling. Mill 5-hrs, push fish from 6175' to 6220', tbg plugs off. POOH, recover junk in extension & 1-1/2' of junk in shoe. SDFW
- 9-14-04** PU & RIH w/diamond window w/wire shoe, 10' extension, jars & 6- 3-1/2" dc's to 6220', begin washing/drlg scale, get down to 6300'. Tbg plugs off, POOH & rec 1' tbg, Mill control, 1 slip die, pkr rubber & swab mandrel. RIH w/same shoe & tools. SION.
- 9-15-04** Continue to TIH w/shoe, extension, jars, collars & tbg to 6300', begin milling, get to 6343'. Plug off tbg, POOH, find piece of tbg wadded up in top bushing. Wait on new bushing & WP. TIH w/shoe, extension, 1 jt WP, top bushing, jars, 6- 3-1/2" dc's & SDFN
- 9-16-04** Continue to TIH w/shoe, WP, jars & collars, Tag up @ 6335', break circ, begin milling, make 19', circ clean, dump 1 sk sd on top of fish. & SDFN
- 9-17-04** Continue to TIH w/shoe, WP, jars & collars, Tag up @ 6335', break circ, begin milling, make 14" circ clean. POOH w/tbg, PU & RIH w/keylow, jars, 6- 3-1/2" dc's & 2-7/8" N-80 WS, tag fish. Work keylow over fish, POOH, rec 2 jts 2-7/8" tbg, btm jt parted just below collar. SDFN
- 9-18-04** PU & RIH w/cutrite btm shoe w/diamond windows & wire inside, 6 jts WP, cutrite top bushing, jars & 2-7/8" N-80 WS. Tag up @ 6361'. Break circ, begin milling. Make 22', begin to have formation in returns, circ clean. POOH w/tbg & tools. SDFW
- 9-21-04** RIH w/WP & collar, POOH & LD same. RU Computalog. Log as directed from 6000'-3500'. RD Computalog & SDFN
- 9-24-04** SDFD

- 9-25-04 PU & RIH w/5-1/2" CR, TIH to 6300' w/retainer on 2-7/8" N-80 WS. Set retainer, sting out, circ hole clean w/2% KCL wtr, test entire system to 590 psi - hold 30-mins. Retainer & csg test good. POOH, LD 1600' tbg. PU & RIH w/2-3/8" x 5-1/2" Arrowset 1 pkr (6K pkr) set @ 4703'. ND BOP, NUWH.
- 9-28-04 SITP 500 psi, release pkr. POOH w/tbg & pkr, PU & TIH w/retainer stinger. SDFN
- 9-29-04 Op BOP, continue to TIH w/CR stinger, tag up 15' high. RU Stearns. Reverse fill off retainer. Sting into retainer. Press up csg to 500 psi, csg holds good. RU Key Energy Ser on tbg, press up to 3000 psi to establish inj rate. No inj @ 3000 psi. Sting out of CR, Mix & spot 3 bbls 14.8 ppg cmt on top of CR. RD Key. POOH w/8 jts tbg, reverse tbg clean. Press up csg to 500 psi. Leave well SI w/pressure.
- 9-30-04 SITP 650 psi, SICP 650 psi Blow well down to frac tank. TIH & tag cmt @ 6215'. POOH, LD 54 jts, stand remainder of tbg in derrick. RU Computalog, run csg inspection log F/6150'-surface. RD Computalog & SDFD
- 10-01-04 SICP-0PSI, PU and RIH w/5 1/2" IID packer, SN & 2 7/8" TBG, waited 4 hrs on rig repair, TIH to 6160', Set RBP, PU to 6045', to isolate possible hole @ 6118', SION.
- 10-02-04 SITP - 600 psi. SICP - 0 psi. Opened well to frac tank, released pkr, TIH & caught RBP. Released RBP. POOH LD 54 jts tbg. Cont to POOH w/tbg & tools. SION.
- 10-05-04 SITP-slight blow. RU Apollo WL. PU & RIH w/5 1/2" CIBP. Got on depth. Set CIBP 6000'. POOH. PU cmt bailer & bailed 2 sx cmt on CIBP. POOH. PU & RIH w/5 1/2" Arrowset pkr & tbg to 4690'. Circ pkr fluid, ND BOP, set pkr w/18K compression. NU WH, RU & RIH w/swab. IFL-surface. Began swabbing. Cannot get past 4000' w/swab. Cups packed w/sand, iron, scale. RIH w/happy tool. Attempted to get down. Cannot get past 3700' w/happy tool. Got stuck. Worked loose. POOH w/sandline & tool. Missing washer off tool. LD swab & ND WH, released pkr, & NU BOP. POOH w/tbg & packer. SION.
- 10-06-04 Opened BOP, PU & RIH w/40 jts of 2 7/8" N-80 workstring. RIH w/40 jts out of derrick. POOH LD 40 jts from derrick. Cannot run tbg out of derrick due to heavy rain. Waited 2 hrs. No let up in rain. SION.
- 10-07-04 Opened BOP, PU & RIH to 5000' w/4 3/4" bit & 5 1/2" csg scraper. RU Stearns & circ 140 bbls soapy water followed w/135 BW w/35 gal pkr fluid. POOH w/bit & scraper. PU pkr & TIH to 4701'. Set pkr w/18 pts. L&T csg to 500 psi both test good. ND BOP, NU WH, RU & RIH w/swab. Swabbed well down to 4500'. RU Apollo & perf as directed: 4738' - 52', 4764' - 74', 4784' - 90' w/4 ISPF 1 9/16 guns - 120 holes. RD Apollo. RU & RIH w/swab - no change in FL. No gas blow. SION.
- 10-08-04 SITP-0 psi, Tbg on slight vacuum. RU production, acidize San Andres perms as directed w/3000GL 15% HCl. acid w/500 GL, GRS-1030, dropping 200 ball sealers. Pumped 5 bbls acid followed w/500 GL chemical & rest of acid. Flush to btm perf w/ 2% KCl. water. Formation breaks from 3000 psi @ 1/4 bpm to 1500 psi @ 3 1/2 bpm. Excellent ball action, avg psi-2000psi. Avg rate 3bpm, ISIP-800psi. 3 1/2 min vac rd providence. RU & RIH w/swab. IFL-1400'. Second run FL-1500'. Well kicks off & flows very hard for 45 min. Well flows back 10 BOW blowing acid/formation gas. Well dies. RIH w/swab FL-3000'. Swab well dry. Waited 1 hr for swab run. 300" fluid entry after 1 hr. Good gas blow for 10-15 min after run. Began hourly swab runs. Recovered 38 BOW, FFL. 4600'. Left well open to frac tank.

- 10-09-04** RU & unhang well. Tried to Longstroke pump — no good. Worked pump until unseated. Trip rods out & LD pump — severe scale. ND WH & installed BOP. Released TAC & tagged fill @ 5590'. Trip tbg out. PU 4 3/4" bit & scraper & trip tbg in to fill @ 5570'. Started back out w/tbg & SDFN.
- 10-10-04** Finished out w/tbg. LD bit & scraper & PU notched collar & bailer. Trip tbg in to fill & started bailing. Worked bailer & CO to 5615'. Trip tbg out & LD bailer. SDFWF. Ordered out pkr for Monday.
- 10-12-04** Tbg left open to tank. RU & RIII w/swab. IFL — 2800'. Swabbed well dry & began hourly swab runs. Rec'd 22 BW. FFL — SN. Good gas blow at all times. NU WH & put well to sales. SION. **3 bbls over load.**
- 10-13-04** FTP — 20 psi. No gas sales overnight. RU & RIII w/swab. IFL — 3700'. Swabbed well dry & began hourly swab runs. Rec'd 8 BW. FFL — SN. SW1 for pressure buildup.
- 10-14-04** SITP — 500 psi. Opened well to sales. ND WH & released pkr. Let well equalize. NU BOP. RIII across perfs to wipe balls. POOH LD 2 7/8" workstring & pkr. Unloaded, racked & tallicd 2 3/8" J-55 Yellow band tbg. RIII w/SN & tbg to 4709'. ND BOP, NU WH & SION.
- 10-15-04** SITP — 0 psi. RU & RIIH w/swab. IFL — 3700'. Swabbed well dry & began hourly swab runs. Rec'd bbls. RDSU. Left well SI. Will RU swab unit in the a.m.
- 10-16-04** SITP 200 psi; SICP 180 psi; MIRU Aries; blow well down to frac tank; RU & RIIH w/swab; IFL @ 3000'; swab dry; rec. 22 bbls wtr; well blowing good; drop bumper spring & plunger; wait for plunger to run; leave well to sales on intermitter.