

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. LG 7435	
7. Unit Agreement Name	
8. Farm or Lease Name Chittum Penistaja	
9. Well No. 1	
10. Field and Pool, or Whdcat Undes. Gallup	
12. County McKinley	

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. ☐ OIL WELL ☐ GAS WELL ☐ OTHER- Injection

2. Name of Operator
Merrion Oil & Gas Corp.

3. Address of Operator
P. O. Box 840, Farmington, New Mexico 87499

4. Location of Well
UNIT LETTER P 990 FEET FROM THE South LINE AND 990 FEET FROM
THE East LINE, SECTION 36 TOWNSHIP 20N RANGE 5W NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

REMEDIAL WORK ☒
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOB ☐
OTHER ☐

ALTERING CASING ☐
PLUG AND ABANDONMENT ☐
OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Squeezed casing leak in the subject well as per attached report.

RECEIVED
APR 14 1987
OIL CON. DIV.
DIST. 3

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED T. Greg Merrion
T. Greg Merrion

TITLE Production Engineer

DATE 4/13/87

APPROVED Original Signed by FRANK T. CHAVEZ

TITLE SUPERVISOR DISTRICT # 3

DATE APR 14 1987

CONDITIONS OF APPROVAL, IF ANY:

CHITTUM PENISTAJA

3/25/87

Move in RAM rig, use cat to pull rig across wash and dig pit. Seat rig up on jacks. SDON. (Fizz)

3/26/87

MIRU RAM Service Co. Open well to relieve pressure. Unable to blow down enough to work. Planning to lay blow down line. SDON. (SSD)

3/27/87

Blow well to pit through tubing. Did not blow down. Strip on BOPS. Unset packer. Pull 100 joints 2-7/8" EUE tubing and model "A" tension packer. Tubing looks OK. Packer OK. Redress in field by Baker Service Tools. SDON. (Fizz)

3/28/87

TIH with Model AD-1 tension packer with expendable check on bottom. Hydrotesting 2-7/8" EUE plastic lined tubing to 5500 PSI. Found no leaks. Set packer @ 3136' KB. Pressure test casing to 500 PSI three times. Pressure bled to 300 PSI in 2.5 minutes first time, then 500 PSI-300 PSI in one minute second to third test. Unset packer. Moved to 2950' KB (23' below liner top) to reset. Pressure test down casing. Same leak off. TOH. Wait on packers. TIH with same tension packer on 99 joints 2-7/8" plastic lined tubing. Pumped Unichem Technihib down casing. Set packer @ 3129' KB. Rigged down BOPs. Flanged up wellhead. Shut well in. SDOWE. (CCM)

3/31/87

Stripped BOPs onto wellhead. Unset packer. Let casing flow to pit. TOH with 2-7/8" EUE tubing and Baker AD-1 tension packer. TIH with 2-3/8" Baker expendable check; 4.5" Baker AD-1 tension packer; 8 joints 2-7/8" EUE tubing; 248.57 ft. of tubing; then 7" Baker model "C-1" tandem tension packer. Ran 92 joints 2-7/8" tubing. Pumped 60 Bbls inhibited fluid down casing. Set tension packer. Pulled 25,000 lbs. over string weight to set both packers. Pressure test casing to 500 PSI. Pressure bled to 300 PSI in 1.5 min. Same as pressure leak off before running packers. Tried to pull more on tubing to make sure top packer was set good and 4.5" packer sheared. TOH with 2-7/8" tubing and packers. TIH with 7" full bore with unloader and expendable check. Found hole in casing between 2211' KB and 2215' KB. TOH with tubing and packer. Shut well in. SDON. (CCM)

CHITTUM PENISTAJA

4/1/87

PU and RIH with 4-1/2" RBP, RH, and 2-7/8" plastic lined tubing. Set RP @ 3050'. POH with tubing and RH. RIH with 7" Baker fullbore packer. Set packer above liner top and pressured casing to 1000 psig. Held OK for 5 minutes. PU and reset packer @ 2120'. Pressured casing to 900 psig and established rate into casing leak @ 2213' @ 1-1/4 BPM. Reduced rate to 0.9 BPM and pressure dropped to 500 psig. Shut well in. (TGM)

4/2/87

MIRU Dowell. Released packer and spotted 15 gal. sand to bottom of tubing @ 2122'. Pulled one stand and set packer @ 2060'. Pressured backside to 500 psig. Established injection rate into casing leak @ 1.8 BPM and 970 psig. Mixed and pumped 50 sx Cl 'H' cement + 2% CaCl. Displaced with 11 Bbls water so that 2 Bbls cement was outside casing. Shut bradenhead and displaced with 3 Bbls water to clear packer. Shut down 15 minutes then pumped one Bbl water @ 210 psig. Shut down 30 minutes and pumped 1/2 Bbl @ 300 psig. Shut down 30 minutes and pressure fell to 160. Pumped 1/4 Bbl @ 490 psig. Shut down 45 minutes and pressure fell to 190. Pumped 1/4 Bbl @ 1380 psig. Pressure fell to 750 in 10 minutes. Bled off pressure. Released packer and reversed 20 Bbls water. Pulled 2 stands and set packer. Pressured tubing to 1000 psig and left well shut in overnight. NOTE: Bradenhead leaked entire job @ rate of 11 BPH. (TGM)

4/3/87

Released pressure from tubing. Unseated packer and POH. Packer kept setting coming out of hole. PU and RIH with 5-7/8" bit and 2-7/8" tubing. Tagged cement at 2124'. Drilled out cement to 2229' - 15' below casing leak. Pressured casing to 500 psig - bled to 0 psig immediately. POH with tubing and bit. Established rate into casing leak with water at 1 BPM and 500 psig. Circulating salt water from bradenhead while pumping into leak. Removed cap from casinghead and replaced rubber packing. (TGM)

4/4/87

ND BOPs and casinghead. MIRU Dowell. NU cementing head with wiper plug. Opened bradenhead and established rate with water @ 2.5 BPM and 900 psig. Pumped 150 sx Cl 'B' + 2% D-79 chemical extender and 75 sx Cl 'H' + 2% CaCl. Dropped wiper plug and displaced with 78 Bbls fresh water. Shut in bradenhead and displaced 6 Bbls into leak @ 1/2 BPM. Pressure rose from 600 to 800 psig. Shut casing in. RDMO Dowell. Left well SI over weekend. (TGM)

CHITTUM PENISTAJA NO. 1

4/7/87

Casing and bradenhead dead. PU and RIH with 5-7/8" bit and 2-7/8" tubing. Drilled cement from 2116' to 2238'. Pressured casing to 500 psig. Pressure bled to 0 psig in 2-1/2 minutes. Pressured to 500 psig twice more and pressure bled to 0 in 1-1/2 minutes and 45 seconds, respectively. POH with tubing and bit. Shut well in. (TCM)

4/8/87

RIH with 7" full bore packer and 2-7/8" tubing. Packer would not go below 2121' due to cement on casing wall. PU and set packer @ 2062'. Pressured backside to 1000 psig. Slight leak off. Reset packer and repressured to 1000 psig and held OK. Established rate with fresh water @ 3/4 BPM and 870 psig. Opened backside and packer bypass. Mixed and pumped 50 sx C1 "H" + 2% CaCl @ 2 BPM and 50 psig. Closed packer bypass. Displaced with 16 Bbls water @ 3/4 BPM. Final squeeze pressure - 1500 psig. Shut down 10 minutes and pressure bled to 950 psig. Pumped 1/8 Bbls and pressure rose to 1620 psig. Unseated packer and reversed out 20 Bbls water. PU 2 stands and reset packer. Pressured tubing to 1000 psig. Left well shut-in overnight. (TGM)

4/9/87

POH with tubing and packer. RIH with 5-7/8" bit, scraper and 2-7/8" tubing. Drilled out cement. Pressure tested casing to 500 psig - held for 15 minutes. POH with tubing, scraper, and bit. RIH with RH & tubing. Ran into something about 2600'. Pushed fish to liner top @ 2927' and could not get tubing inside liner. POH with tubing and RH. (TGM)

4/10/87

TIH with 5-7/8" bit on 2-7/8" plastic lined tubing. Tagged cement cuttings and rubber pieces on liner top. Cleaned out 2' to liner top at 2927' KB. TOH with 5-7/8" bit. TIH with 3-7/8" bit. Drilled through liner top. Cleaning out cement and rubber. Fell through liner. Tagged cement cuttings and rubber 30' above bridge plug. Cleaned out to within 10' of bridge plug. TOH with 3-7/8" bit. TIH with 4-1/2" retrieving head. Cleaned out 10' sand. Caught plug. TOH with tubing and BP. SDON. (CCM)

4/11/87

Cleaned out rig pit and pumped water from Arena Blanca No. 1 injection system to rig pit. TIH with 2-3/8" Baker expendable check on bottom of Baker model AD-1 tension packer with 40,000 lb shear ring. Mixed one drum of Unichem Technihib 370 in 80 Bbls water in rig pit and pumped down casing @ 100 psi and 2 BPM. Shut well in. Set packer on 100 joints 2-7/8" EUE plastic lined tubing @ 3160' KB. Pressure test casing to 500 psi. Pressure leaked off to 200 psi in 5 minutes. Pulled 4 joints. Re-set packer @ 3034.40' KB. Total of 96 joints 2-7/8" EUE tubing. Re-set packer the same place the bridge plug was set for squeeze jobs. Pressure test casing to 500 psi for 15 minutes. Held good. Released pressure. Flanged up wellhead to inject water. SDON. (CCM)