Submit 3 Copies to Appropriate District Office

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103 Revised 1-1-89

| 3. Address of Operator 4. Well Location Unit Letter J.: 1550 Feet From The South Line and 1550 Feet From The South Line and 1550 Feet From The East Line Section 19 Township 29N Ranse 6W NMPM Rio Arriba Coupty 10. Elevation (Show whether DF, RKB, RT, GR, etc.) 11. Check Appropriate Box to Indicate NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: PERFORM REMEDIAL WORK PLUG AND ABANDON CHANGE PLANS COMMENCE DRILLING OPNS. PLUG AND ABANDON CHANGE PLANS COMMENCE BRILLING OPNS. PLUG AND ABANDONMENT CASING TEST AND CEMENT JOB OTHER: Add pay and stimulate X Attached is the procedure used to perforate and stimulate the Lewis Shale interval in the Mesaverde. formation on the subject well. Thereby certify that the information above is true and coupplete to the best of my knowledge and belief. TITLE Regulatory Assistant DATE PATS CLUGSTON TITLE Regulatory Assistant | District Office | | | | |
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| | TYPE OR PRINT NAME Pa | tsy Clugston | | TELEPHONE NO. 505 | <u>-599-3454</u> |
| ORIGINAL SIGNED BY ERNIE BUSCH DEPUTY OIL & GAS INSPECTOR, DIST. #3 APR 1 5 1996 | • | ED BY ERNIE BUSCH | _DEPUTY OIL & GAS I | NSPECTOR, DIST. #3 APR | 1 3 1998 |

San Juan 29-6 #65A Fee; Unit J, 1950' FSL & 1550' FEL Section 19, T29N, R6W; Rio Arriba County, NM

Procedure used to perf & stimulate the Lewis Shale interval in the existing Mesaverde formation.

2/25/98

MIRU Big A #40. Killed well. ND WH & NU BOPs. COOH w/2-3/8" tubing. RIH w/4½" RBP & set @ 4775'. Dumped 10 gal sand on top. Load hole w/2% KCL water and test casing & CIBP to 500 psi - on bleed off. Good test. Ran GR/CCL/CBL (4775 to surface). RU Blue Jet & perf'd Lewis Shale @ 1 spf .38" holes - 120° phasing. (Logs indicate Huerfinito Bentonite top @ 3817').

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4371' - 4374' (3'); 4340' - 4343' (3'); 4300' - 4303' (3'); 4259' - 4262' (3'); 4189' - 4192' (3'); 4155' - 4158' (3'); 4144' - 4147' (3'); 4132' - 4135' (3'); 4119' - 4122' (3'); 4046' - 4049' (3'); 3982' - 3985' (3'); 3942' - 3945' (3') 36 holes
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RIH & set packer @ 3737'; Load and test casing & packer to 500 psi – good test. RU BJ to acidize. Pumped 1000 gal of 15% HCL acid w/54 ballsealers. Released packer and knocked balls off perfs. COOH w/tubing and packer. NU BOP. GIH w/4½" fullbore packer and set @ 3378'.

RU to frac. Pumped 69,300 gal of 60 Quality N_2 consisting of 31,752 gal of X-link gel & 844,000 scf of N_2 , pumped 207,000 # 20/40 Brady sand. Avg. treating pressure 2525 psi and avg. rate 45 bpm. Displaced w/55 bbls of 2% KCL. ISDP 700 psi. Flowed back immediately on $\frac{1}{2}$ choke. Flowed back for $\frac{41}{2}$ hrs.

Unseat packer & COOH. Cleaned out fill and drilled out CIBP. Cleaned out to PBTD. RIH w/4½" FB packer and set @ 3392'. Load tubing annulus w/120 bbls KCL. PT casing to 500 psi for 30 min. OK. POOH w/packer. RIH w/2-3/8" production string – circulated out fill. Landed tubing @ 5373' with "F" nipple @ 5341'. ND BOPs & NU WH. Pumped off exp. Check. RD & released rig. Turned well over to production department.