

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

- 1. oil well gas well Helium other
- 2. NAME OF OPERATOR
S. E. R. H., Inc.
- 3. ADDRESS OF OPERATOR
P. O. Box 312, Otis, Kansas 67565
- 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1850' FSL; 795' FWL NW/ SW/4
AT TOP PROD. INTERVAL: Unit I
AT TOTAL DEPTH: Same
- 16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- 5. LEASE
NOC-C-14-20-4158
- 6. IF INDIAN ALLOTTEE OR TRIBE NAME
Navajo
- 7. LEASE AGREEMENT NAME
- 8. FARM OR LEASE NAME
Navajo 32
- 9. WELL NO.
4
- 10. FIELD OR WILDCAT NAME
Beautiful Mountain
- 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
32-27N-19W
- 12. COUNTY OR PARISH
NMPM
- 13. STATE
New Mexico
- 14. API NO.
Sat. Juan
- 15. ELEVATIONS (SHOW DF, KDB, AND WD)
5926' Gr.; 5939' KB

- REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:
- TEST WATER SHUT OFF
 - FRACTURE TREAT
 - SHOOT OR ACIDIZE
 - REPAIR WELL
 - PULL OR ALTER CASING
 - MULTIPLE COMPLETE
 - CHANGE ZONES
 - ABANDON*
 - (other)

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17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Moved in Spartan Well Service Rig #5. Picked up 2-3/8" tubing w/bit and tag up on stage collar dart. Opened stage collar @ 3970'. Cemented upper stage by HOWCO w/800 sx. HOWCO-lite (1472 cft) and follow w/216 sx. 90/50 Poz. 10#/sx. salt & 2% gel. (276 cft). Pumped plug and closed tool w/2500 psi. Circulated approx. 30 bbl. excess cement. WOC 24 hrs. Drill out stage collar and clean out to PBTD 6100'. Circ. hole w/2% KCl. water and spot 300 gal. 6% MSA. Press. test to 2500 psi. Ran Gearhart CBL. Perforate Miss. intervals 6011' - 22' & 6071' - 80', total 20' w/2 DML-23 jets/ft. 40 (0.42" holes). Ran RIP & packer. Isolated & broke down 6011' - 22' @ 3000 psi.; repositioned and broke down 6071' - 80' @ 4000 psi. Pulled and set packer above both zones and acidized w/5000 gal. gelled 28% HCl w/additives and 20 ball sealers. Treated @ 1400 to 2400 psi. Had ball action. Injection rate 2 bpm. Flush w/3000 gal. 2% KCl water. Flowed back and clean up well for 4 hrs. FTP at end of 4 hrs. 16/64" ck. 800 psi. Shut-in overnight.
Subsurface Safety Valve: Manu. and Type (Continue on page 2) Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED *John M. Heller* Consultant DATE October 5, 1985

(This space for users or for office use)
APPROVED BY _____ TITLE _____ DATE _____

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FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

Mississippian zone shut-in 14 3/4 hrs. after acid treatment and 4 hr. flow back was 1820 psi. Open well and flow 9 hrs. to clean up. Flow was est. 500 MCF on 12/64" choke w/670 psi. TP. Shut in for 15 hrs. overnight. SIP 1460 psi.

9-27-85. Kill Miss. w/35 bbl. 2% KCl water. Release packer and retrieve plug and trip out of hole w/tubing & tools. Rig up and set HOWCO Speedeline plug by Blue Jet @ 3950'. Pressure test to 2500 psi. Perforate Organ Rock zones w/12 MK-4 jets (0.30") @ 3876' - 81' - 85' - 89' - 92'; 3908' - 10' - 14' - 18'; 3927' - 29' - 31'. Ran HOWCO PPI tools and broke down zones w/ 1000 gal. 7½% FeHCl. w/additives. Had communication between lower zones. Set above all zones and establish a rate of 5 bpm. @ 2400 psi. Pulled tools to fracture. Rig up HOWCO and foam frac Organ Rock w/76,000# 20/40 sd. & 75 Quality foam using 1,186,800 scf. N₂. Treated @ 2940 to 3040 psi. Avg. 3000 psi. @ 15 bpm.; ISIP 3100 psi. w/N₂ flush. 3¼ hr. shut-in was 1850 psi. Start flow back on 1/4" CN. Flowed back for 42 hours. Making foam and inert gasses. Flow well head press was 125 psi. Released pressure and went in hole with bit and tubing. Drilled out BP @ 3950'. Went to bottom and checked out for fillup. OK at 6100'. Lay down 2-3/8" tubing. Well flowing and cleaning up. 10-3-85 - COD 6100' Well flowing overnight out 5½" casing through 2" opening to clean up. Ran tubing as follows. For Mississippian zone: Pin sub 1.98'; Std. 1.375" ID SN - 0.75'; 62 jts. 1975.11' 1-1/2" 2.9# J EUE tubing; Baker R-3 packer w/2-3/8" EUE fishing sub above 10.85'; 123 jts 4077.07' tubing as below. Set w/approx. 9000# total weight on packer @4089' & tubing @ 6075'. Ran 1-1/4" 2.33# IJ tubing w/4.5' perf. prod tube on bottom and 1-1/4" NU x 1-1/2" EUE X-O swage on top. Tubing tally w/accessories 3876.64'. Set @ 3888.64'. Installed OCT dual well head. Pumped plug out of 1-1/2" tubing. Left standing for Mississippian zone to pressure up and kick off. OrganRock flowing treating fluid and some gas after landing tubing. 10-4-85 Moved off Spartan Well Service Rig #5. To flow well and clean up for test data.

John M. Keller