

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ Helium OTHER ☐
2. NAME OF OPERATOR
S.E.R.H., Inc.
3. ADDRESS OF OPERATOR
c/o A. R. Kendrick, Box 516, Aztec, NM 87410
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface 660' fSL 2150' fEL Sec. 32

5. LEASE DESIGNATION AND SERIAL NO.
N00-C-14-20-4158
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Navajo
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Navajo 32
9. WELL NO.
1
10. FIELD AND POOL, OR WILDCAT
Big Gap Organ Rock
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
0-32-T27N-R19W
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico

14. PERMIT NO.
?
15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5868' GR, 5880' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other) Test Organ Rock Formation	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)*

Drake Rig #22 - Plug back and test Organ Rock Formation.
Sept. 5, through Sept. 18, 1986.
See attached Progress Report for details. Pages #1 & 2.

RECEIVED
SEP 24 1986
OIL CON. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED John M. Heller TITLE Consultant DATE 9/19/86

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

SEP 22 1986

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

BY sm

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.

Purpose: To determine the potential for Helium gas from the Organ Rock Interval
Several hundred barrels of drilling mud was lost shortly after this interval was penetrated during initial drilling operations.

- 9/5/86 Move in Drake Rig #22. Bleed down and load hole w/60 bbl. brine water
Pull 186 jts. 2-3/8" tubing and Baker R-3 packer.
- 9/6/86 Rig up Blue Jet. Set HOWCO plug @ 5680'. Load hole and pressure test
casing to 2000 psi. OK. Ran CBL 4000' back to 3400'. No cement.
Perf. 2 holes @ 3955' and 3 holes @ 3645' for cementing. Ran & set
HOWCO retainer @ 3922' to squeeze. Got partial returns around while
establishing inj. rate but stopped. Squeeze cement by HOWCO with 100
sx. Cl. B 1/8#/sx. flocele through retainer. Pulled up and cement
top perf's @ 3645 with 100 sx. same. Pull tubing & WOC.
- 9/7/86 Standing - Sunday & WOC.
- 9/8/86 Went in hole with 3-7/8" bit and clean out cement to 3645'. Test sq.
holes to 1700 psi. OK. Clean out to 3872' and circ. hole. Lay down
surplus tubing.
- 9/9/86 COD = 3872' Ran Blue Jet CBL to determine cement competency. OK.
Perf. intervals as follows w/0.38" jets. 3698' to 3718' - 8 jets;
3724' to 28' - 2; 3746' to 48' - 1; 3753' to 58' - 3; 3762' to 68' - 3;
3785' to 88' - 2; 3797' to 3800' - 2. Total 21 holes. Ran tubing to
3777' and start swabbing. Swab 5 hrs. Casing press to 210 psi. Some
gas showing. Estimated recovery of 49 bbls. Total hole load 56 bbls.
- 9/10/86 Shut-in overnight. Tbg. & Csg. @ 1400 psi. Bled well down and meas.
gas rate @ 186 MCFD. Csg. press. to 50 psi. Ran swab. Rec. approx.
1 bbl. fluid. Mostly drlg mud. 3:00 PM. Gas rate @ 206 MCFD.
Running swab & recovering some small amounts fo drlg. mud.
- 9/11/86 Shut-in overnight. Tbg. press. 1350; Csg. press. 1425. Blew well down
and unloaded approx. 2 bbl. fluid. Mostly drlg. mud. Pull tubing and
ran RTTS packer. Set @ 3676' after spotting acid across perf's 3698' to
3800'. Set and treated intervals with 2000 gal. 5% HCl. and 2000 gal.
MSA acid w/500 SCF N₂ per bbl. in 3 stages using 21 ball sealers.
Treating pressures 2300 to 2600 psi. ISIP 1600 psi. Let set 1 hr.
Bleed back. TP 1300 psi. (Note - during last part of treatment, fluid
broke around to annulus. Either packer failed, tubing failed or cement
job failed through squeeze holes @ 3645') Bled well back. Making muddy
spent acid water, gas by heads. Flowed well through night. Water
- 9/12/86 clearing some and turning fresh. Gauged water @ 70 BWPH with some inert
gasses. Water analysis shows this to be DeChelly water. Shut-in over-
night.
- 9/13/86 Shut-in overnight. Ran HOWCO plug & set @ 3685' by Blue Jet. Ran RTTS
packer and set @ 3672'. Test plug. OK. Pull and set packer @ 3333'.
Squeeze cement perf's @ 3645' w/50 sx. Cl. B 1% CaCl. by HOWCO. Staged
to 2500 psi. Held OK. Pulled packer and shut-in. WOC
- 9/14/86 Standing - Sunday & WOC.
- 9/15/86 Go in hole w/3-7/8" bit and drill out cement. Top @ 3417'. Clean out
to 3685' where plug is set. Drill out after press. test to 1000 psi. OK
- 9/16/86 Finish drilling out plug and run to 3872' and tag up. Pull tubing & bit.

Continue on page #2

Page #2

- 9/16/86 (Continuation from page #1) Pulled tubing & bit to 3840' and hung off to swab. Swabbed well down, last three runs dry with slight show of gas and drlg. mud vapors.
- 9/17/86 COD = 3872'. Well shut-in overnight. Tubing press. 260; Casing press. 1350 psi. Open well and blew down. Recovered approx. 1 bbl. spent acid water and drlg. mud. Well gassing some. Pump in 10 bbl. fresh water and pull tubing & bit. Rig up Blue Jet and reperforate with 0.38" jets as follows: 3705' to 18'- 13 jets; 3724' to 28'- 4; 3746' to 48'- 2; 3753' to 58'- 5; 3762' to 68'- 6; 3785' to 88'- 2; 3797' to 3800'- 2. Total of 34 holes. Go in hole with tubing as follows: Perforated production tube 5.20'; 1 jt. 31.12'; std. SN 1.10; 120 jts. 2-3/8" 4.7# J Eue 3734.40. Total tally 3771.82'. Set @ 3777'. Nippled up well head. Well kicked off. Flowing to clean up. Rig released to tear down.
- 9/18/86 Well shut-in overnight. Tubing press 1320 psi.; Casing press. 1420 psi. by wellhead gauge. Open well and blew down. Est. well gauge at 300 MCFD with spray of muddy water. Will intermittently unload and blow well to clean up.