

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER ☐

2. NAME OF OPERATOR

S.E.R.H., Inc.

3. ADDRESS OF OPERATOR

c/o A. R. Kendrick, Box 516, Aztec, NM 87410 (505) 334-2555

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

At proposed prod. zone 1850' FSL 790' FWL Sec. 33

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

20 miles southwest from Shiprock, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

790

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1580'

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH

6000

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5812 Ungraded Ground

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START*

Upon approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to technical and
procedural review pursuant to 43 CFR 3165.3
and approval pursuant to 43 CFR 3165.4.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	
17 1/4"	13 3/8"	48 New	60'	100 sx 2% CaCl (118 Cu Ft) Circul
12 1/4"	8 5/8"	24 New	1420'	750 sx 2% CaCl (885 Cu Ft) Circul
7 7/8"	5 1/2"	15.5 J New	6000'	1st Stage 150 Cu Ft *
				2nd Stage 225 Cu Ft *

w/Stage collar
* actual volumes to be based on caliper.

Propose to set 13 3/8" conductor w/spud mud and cement back to surface. WOC 12 hours. Drill 12 1/4" hole w/native mud and set 8 5/8" surface casing through Navajo formation and cement back to surface. WOC 15 hours. Install BOP's and bleed-off manifold. Pressure test to 800 psi. for 30 minutes. Drill out with low solids fresh-water based mud to TD. DST Barker Creek zone if shows warrant. Run IES & GR/DN logs. Run 5 1/2" casing. Cement in two stages w/DV tool below Organ Rock.

Gas is dedicated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED AR Kendrick TITLE Agent DATE 9/14/88

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

APPROVED
AS AMENDED
JAN 13 1989

NMOCC

*See Instructions On Reverse Side

AREA MANAGER

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

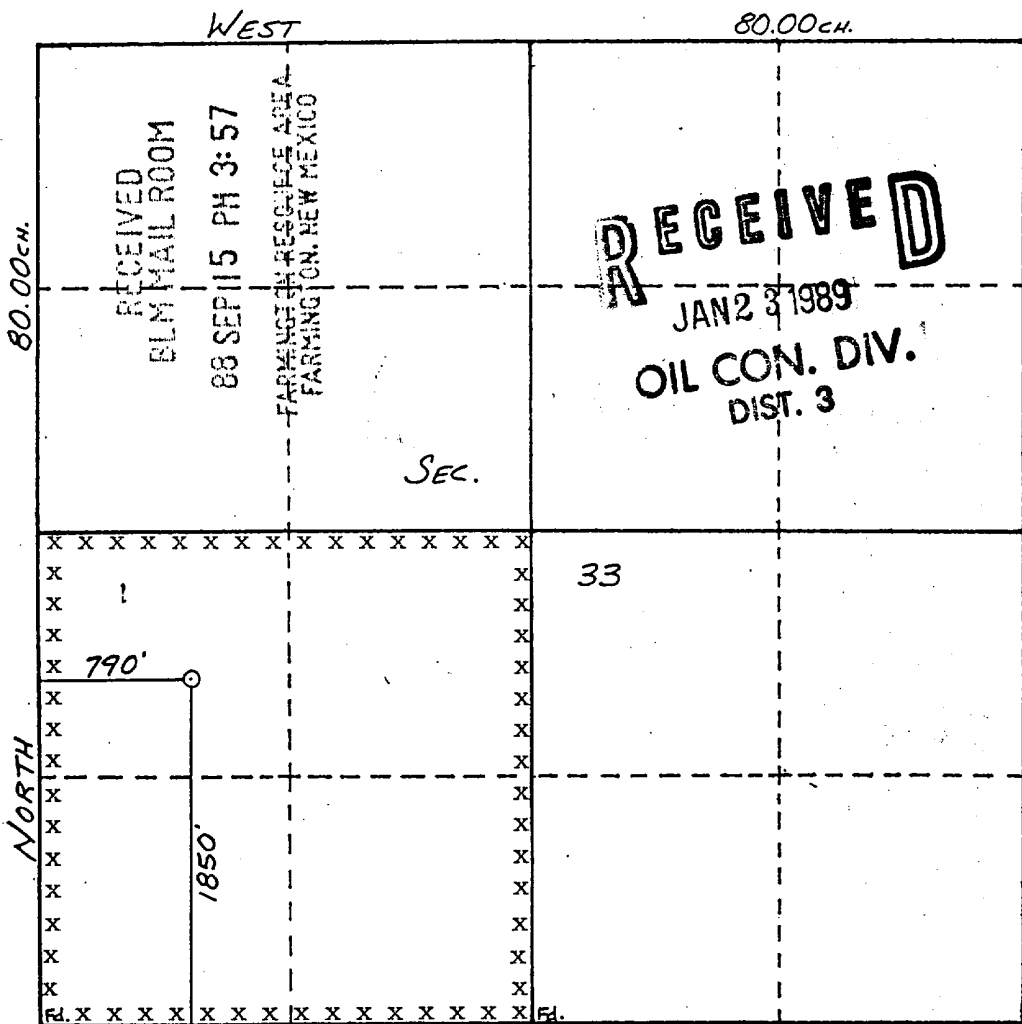
Operator S.E.R.H., INC.		Lease NAVAJO NATION 33		Well No. 33-2
Unit Letter L	Section 33	Township 27 N	Range 19 W	County SAN JUAN
Actual Footage Location of Well: 1850 feet from the South line and 790 feet from the West line				
Ground Level Elev: 5812	Producing Formation Mississippian	Pool Beautiful Mountain EXT	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

A. R. Kendrick

Name
A. R. Kendrick

Position
Agent

Company
S.E.R.H., Inc.

Date
September 14, 1988

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
8-21-88
WILLIAM E. MATHENKE II

Registered Professional Engineer and/or Land Surveyor
#8466

Certificate No.
5408

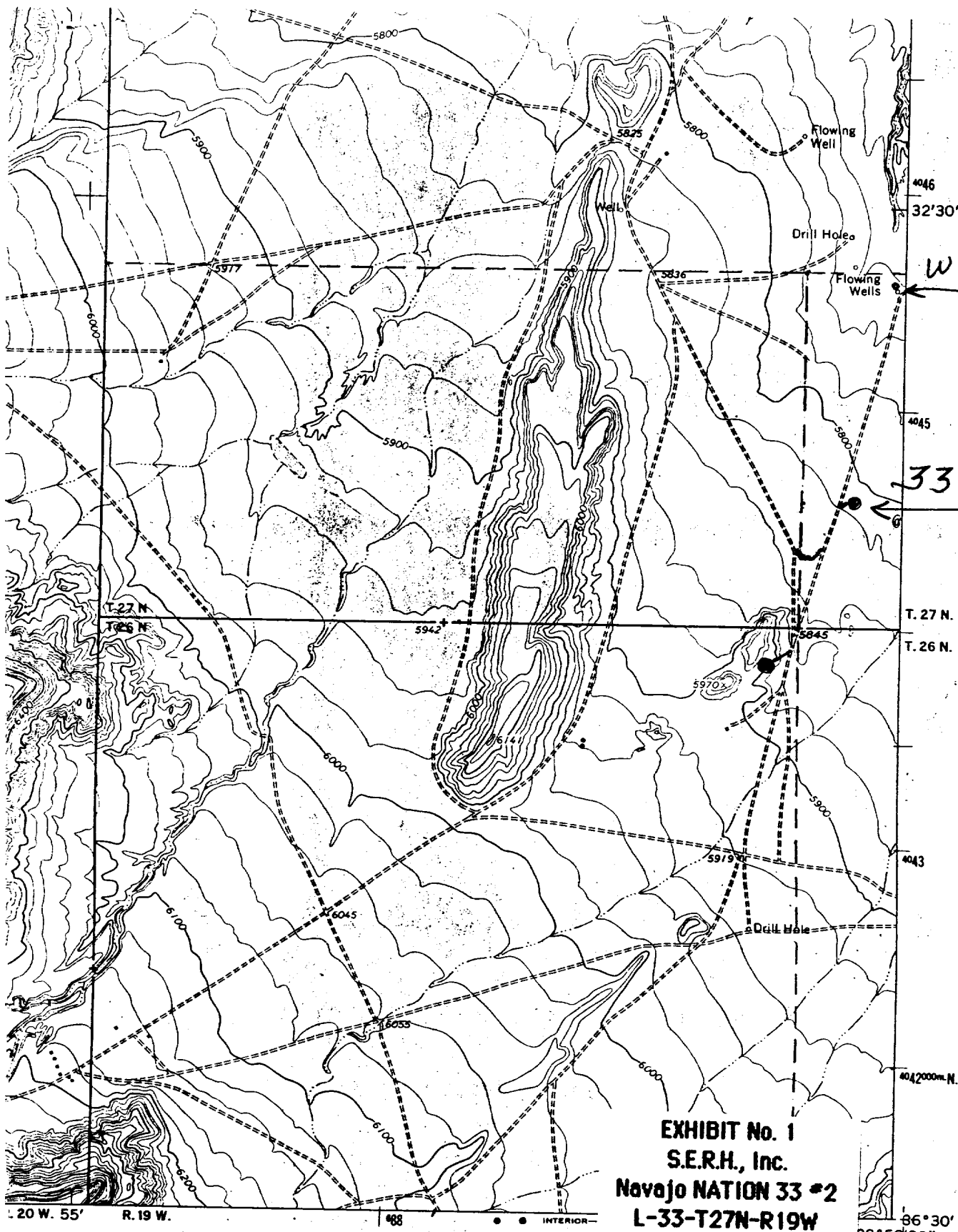


EXHIBIT No. 1
S.E.R.H., Inc.
Navajo NATION 33 #2
L-33-T27N-R19W

1 MILE
3



QUADRANGLE LOCATION

ROAD CLASSIFICATION

Light-duty _____ Unimproved dirt - - - - -
Secondary highway _____

MITTEN ROCK, N. MEX.
SW/4 SHIP ROCK 15' QUADRANGLE

(SANOSTEE EAST)
4236 1/4 NE