

Wyoming Oil & Gas Conservation Commission
Office of State Oil and Gas Supervisor
P. O. Box 2640
Casper Wyoming 82602

12. County:

Converse

9. API Number:

49-009-28489

5. Split Estate

Yes No

☐ ☒

If Split Estate, provide the Form 1A.

**Answer Yes, if Surface owner, on
disturbed lands, differs at all from
Mineral owner.**

APPLICATION FOR PERMIT TO:

(Submit 1 copy on Fed. 2 on Fee & 3 copies on State Lands)

DRILL ☒ RE-ENTER/ DEEPEN ☐ RENEW OR EXTEND ☐1. CBM Well ☐ Injection ☐ Monitor ☐Oil Well ☒Single Zone ☒Directional ☐These in gray require
a separate admin. or
Comm. approval.Gas Well ☐Strat. Test ☐Multiple Zone ☐Horizontal ☒Disposal ☐

Other: _____

Natural Drift ☐**INFORMATION ON THIS PAGE WILL BE RELEASED TO THE PUBLIC.**

2. Operator: Samson Resources Company

3. Address: 370 17th Street, Suite 3000 Denver, CO 80202

Contact Person:

Grant Melvin

3b. Phone Number:

(303) 222-0951

Email:

gmelvin@samson.com

4. Location, (quarter-quarter and footages):

Surface (SHL): NW NW 49' FNL
250' FWLBottom (BHL): SE SW 460' FSL
1700' FWLLatitude (SHL, NAD 83):
43.22977Longitude (SHL, NAD 83):
105.6398511. Section, Township & Range, Lot, TR (SHL):
L/ S 33 T 38N , R 73W
TR11a. Section, Township & Range, Lot, TR (BHL):
S 33 T 38N , R 73WLatitude (BHL, NAD 83):
43.21676Longitude (BHL, NAD 83):
105.6343418. DISTANCE: Is this location less than 350 feet from water supplies, residences, schools, parks, hospitals, churches, businesses or other places where people are known to congregate? No ☒ Yes ☐

19. Proposed depth:

14,870 MD 9,993 TVD

21. Ungraded Elevation:

5106'

21a. Graded Elevation:

5103'

16. Mineral Ownership:

Fee ☒State ☐Fed ☐Mineral Lease #: ~~49-009-28489~~

17. Surface Ownership:

Fee ☒State ☐Fed ☐

Yes No 6.

Well Spacing:☒ ☐

Does this well conform to Chapter 3, Sec. 2?

☐ ☒

Is this well an exception location?

If yes, attach the approval letter.

☒ ☐

Is this well in a spaced or exempted area?

If yes, Docket No. or Rule

577-2008

7. Unit Name - Unit Number: (for committed lands only)

N/A

14. DISTANCE from this well BHL to the nearest unit boundary or uncommitted lands:

N/A

15. DISTANCE from this well BHL to the nearest drilling, completed or applied-for well in the same reservoir:

±2,640

10. Reservoir(s):

Sussex

13. Field Name:

Hornbuckle

8. Well Number and Name:

Hornbuckle Fee 11-33 38-73H

SIZE OF HOLE	SIZE OF CASING	Lb/ Foot	API Grade	NEW OR USED	CENTRALIZERS	DEPTH (MD)	Sx of CEMENT (API)	CLASS
12-1/4"	9-5/8"	36#	J-55	NEW	16	2,000'	Lead: 480 sx; Tail: 285 sx	Lt Prem
8-3/4"	7"	26#	N-80	NEW	22	11000'	Lead: 279 sx; Tail: 141 sx	Lt Prem
6-1/8"	4-1/2"	11.6#	P-110	NEW	None	9,500'	N/A uncemented liner	N/A

23. DESCRIPTION OF PROPOSED OPERATIONS: If proposal is to directionally drill or deepen, give pertinent data on subsurface locations, measured and true vertical depth.

If proposal is to deepen, give data on present productive zone and proposed new productive zone. Give drilling fluids program.

(NOTE ANY PLANNED OPERATIONS PREVIOUSLY SUBMITTED.)

Samson Resources company proposes to drill a well to 14,870 MD to test the Sussex formation.
 If productive, casing will be run and the well completed. If dry, the well will be plugged
 and abandoned as per State of Wyoming requirements.

CONFIDENTIAL

AA 8-8-11

WOGCC DATE STAMP
RECEIVED 2

JUL 18 2011

WYOMING OIL & GAS
CONSERVATION COMMISSION

25. Signed:

Grant Melvin

Title:

Surface Landman

Date:

Bond OK

Name Typed: Grant Melvin

Phone:

(303) 222-0951

20. Type of
Bond & No.:

NM2037

Operator: check boxes
for included
attachments.☒Survey
Plan☒

Form 1B

☒

Directional Plan

☒Offset Water
Well Data☐

Form 1A

☒Drilling
& BOP
Plans☒Stimulation
Completion
Plan☐

Offset Well Data

(The space below is for State Office use)

Approved By:

Grant Melvin
State Oil and Gas Supervisor

Approval Date:

August 12, 2011

Conditions of Approval (State Office Use Only)

Notify the Supervisor at least twenty-four (24) hours before all SPW tests by using the API number.

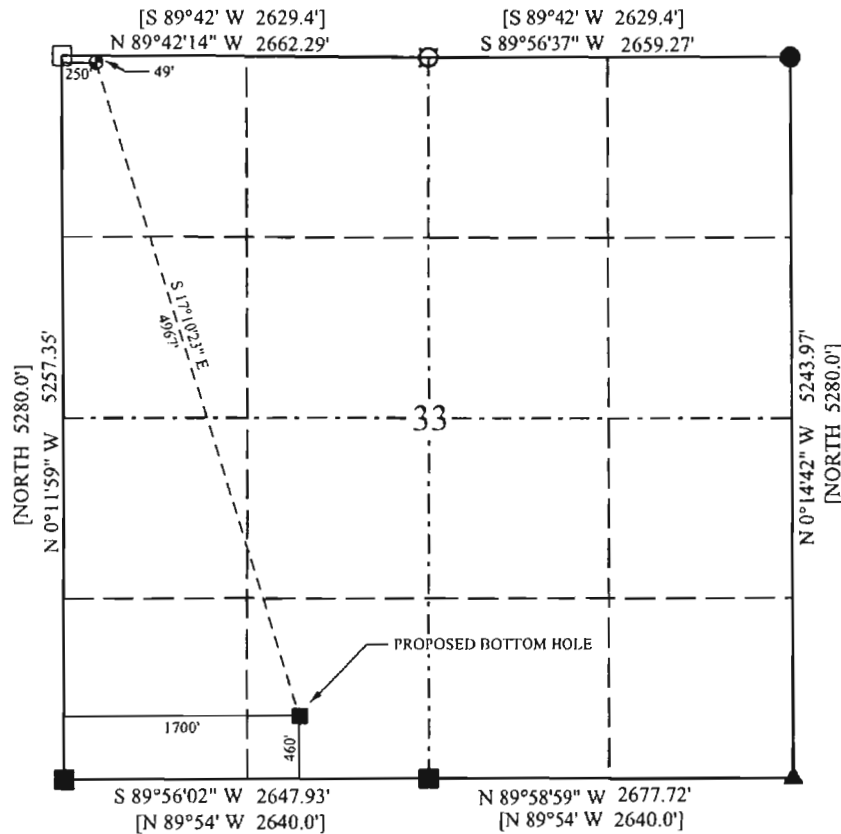
No completion fluids in the Reserve Pit w/o approval.

All stimulations must be approved before completing.

**PLEASE SUBMIT BOTTOM HOLE
SURVEY RUN TO T.D. WITHIN 30 DAYS
OF COMPLETING THE WELL**

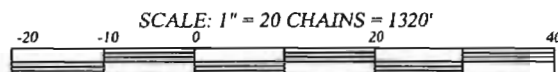
EXHIBIT I

T. 38 N., R. 73 W.



LEGEND:

- DESIGNATES WELL BORE AS STAKED
- [] INDICATES DIMENSIONS OF RECORD - GLO
- DESIGNATES AL. CAP SET BY LS 489
- DESIGNATES REBAR WITH NO CAP
- ▲ DESIGNATES AL. CAP SET BY PE&LS 520
- DESIGNATES AL. CAP SET BY PE&LS 519
- DESIGNATES AL. CAP SET BY PE&LS 4259



CERTIFICATE OF SURVEYOR:

STATE OF WYOMING) S.S.
 COUNTY OF WASHAKIE)

I, STANTON J. ABELL, JR. OF WORLAND, WYOMING,
 HEREBY CERTIFY THAT THIS MAP WAS MADE FROM NOTES
 TAKEN DURING AN ACTUAL SURVEY MADE BY ME OR UNDER
 MY DIRECTION AND THAT IT CORRECTLY SHOWS THE
 LOCATION OF THE DRILLING SITE AS STAKED ON THE
 GROUND DURING SAID SURVEY ON JUNE 29, 2011
 BY AARON M. GROSCH:

WELL NAME: HORNBUCKLE FEE 11-33 38-73H

ELEVATION AT GROUND LINE: 5106 FEET

DESCRIPTION: 49 FEET SOUTH OF NORTH LINE
 250 FEET EAST OF WEST LINE
 NW¼ NW¼, SECTION 33
 T. 38 N., R. 73 W. ORIGINAL SURVEY
 SIXTH PRINCIPAL MERIDIAN
 CONVERSE COUNTY, WYOMING

ELEVATION DATUM:
 BM: NGS STATIONS "CASP", "MBWW" & "WHN1"
 NAVD88 - GEOID99
 NAD 83 (CORS96) (EPOCH: 2002.0)

NOTE:

BASIS OF BEARING: Plane Projection
 Datum: NAD83 (CORS96) (EPOCH: 2002.0) from
 NGS STATIONS "CASP", "MBWW" & "WHN1"
 Origin at SW Corner, Section 31, T 38 N, R 72 W
 43°12'55.79179" N SF = 1.0000
 105°33'40.67177" W
 HEIGHT = 4874' ELEV = 4923'

SURFACE WELL LOCATION: NAD83 (CORS96)
 LATITUDE: 43.22977° N (43°13'47.17" N)
 LONGITUDE: 105.63985° W (105°38'23.47" W)

BOTTOM HOLE LOCATION: NAD83 (CORS96)
 LATITUDE: 43.21676° N (43°13'00.33" N)
 LONGITUDE: 105.63434° W (105°38'03.62" W)

SURFACE WELL LOCATION: NAD27 (NADCON)
 LATITUDE: 43.22980° N (43°13'47.27" N)
 LONGITUDE: 105.63930° W (105°38'21.48" W)

BOTTOM HOLE LOCATION: NAD27 (NADCON)
 LATITUDE: 43.21679° N (43°13'00.43" N)
 LONGITUDE: 105.63378° W (105°38'01.62" W)



PROJECT:	WELL SITE		PRJ. #:	87F11	SUR:	AMG	6/29/11
	HORNBUCKLE FEE 11-33 38-73H		REC. #:	82-142	DES:		
	NW¼ NW¼, SECTION 33, T. 38 N., R. 73 W.		DWG #:	Samson/Converse	DNW:	SAG	7/01/11
	CONVERSE COUNTY, WYOMING		87F11/11-33, ext-plot		REV:		
OWNER:			PREPARED BY:				
SAMSON RESOURCES COMPANY DENVER, COLORADO			P.E. GROSCH CONSTRUCTION, INC. SURVEYORS ENGINEERS CONSTRUCTORS P. O. BOX 36 WORLAND, WY 82401 (307)347-3332				