

**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

16. Mineral Ownership: Fee State Fed
Mineral Lease #: ~~_____~~

17. Surface Ownership: Fee State Fed

6. **Well Spacing:**
Yes No 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?

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

If yes, Docket No. or Rule 577-2008

Contact Person: Grant Melvin 3b. Phone Number: (303) 222-0951 Email: gmelvin@samson.com

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

4. Location, (quarter-quarter and footages):
Surface (SHL): NW NW 49' FNL 11. Section, Township & Range, Lot, TR (SHL):
250' FWL L/ S 33 T 38N , R 73W
Bottom (BHL): SE SW 460' FSL 11a. Section, Township & Range, Lot, TR (BHL):
1700' FWL S 33 T 38N , R 73W
Latitude (SHL, NAD 83): 43.22977 Longitude (SHL, NAD 83): 105.63985 Latitude (BHL, NAD 83): 43.21676 Longitude (BHL, NAD 83): 105.63434

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

18. 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

13. Field Name: Hornbuckle

19. Proposed depth: 14,870 MD 9,993 TVD 21. Ungraded Elevation: 5106' 21a. Graded Elevation: 5103'

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.

WOGCC DATE STAMP
RECEIVED
JUL 18 2011
WYOMING OIL & GAS
CONSERVATION COMMISSION

CONFIDENTIAL

AA 8-8-11

25. Signed: Grant Melvin Title: Surface Landman Date: _____
Name Typed: Grant Melvin Phone: (303) 222-0951 20. Type of Bond & No.: Bond-OK NM2037

Operator: check boxes for included attachments:
 Survey Plat Form 1B Directional Plan Offset Water Well Data
 Form 1A Drilling & BOP Plans Stimulation Completion Plan Offset Well Data

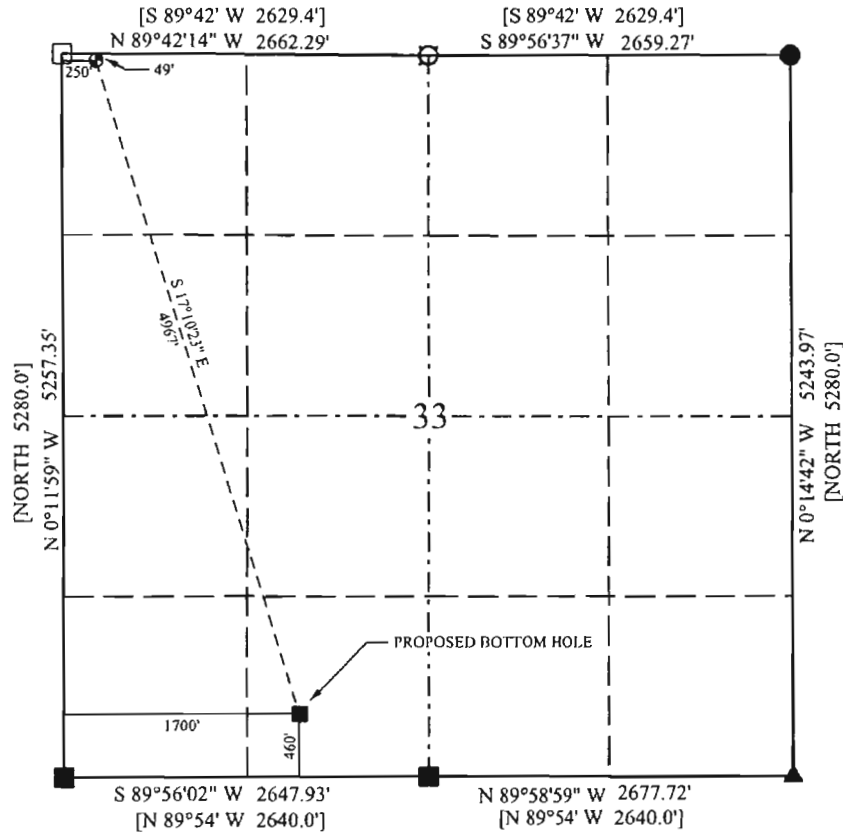
Conditions of Approval (State Office Use Only)
Notify the Supervisor at least twenty-four (24) hours before all SPUD tests by using the API number.
No completion fluids in the Reserve Pit w/o approval.
All stimulations must be approved before completing.

Approved By: [Signature]
State Oil and Gas Supervisor
Approval Date: August 12, 2011

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

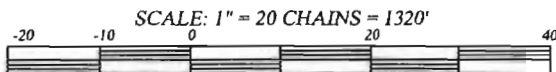
EXHIBIT I

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 HORNBUCKLE FEE 11-33 38-73H NW¼ NW¼, SECTION 33, T. 38 N., R. 73 W. CONVERSE COUNTY, WYOMING	PRJ. #: 87F11	SUR:	AMG	6/29/11
	REC. #: 82-142	DES:		
	DWG #: Samson/Converse 87F11/11-33_ex1-plat	DWN:	SAG	7/01/11
OWNER: SAMSON RESOURCES COMPANY DENVER, COLORADO	PREPARED BY: P.E. GROSCH CONSTRUCTION, INC. SURVEYORS ENGINEERS CONSTRUCTORS P. O. BOX 36 WORLAND, WY 82401 (307)347-3332			