

**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: **009-28474 JK**

5. Split Estate:  Yes  No  
If Split Estate, provide the Form IA.  
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   
Gas Well  Strat. Test  Multiple Zone  Horizontal   
Disposal  Other: \_\_\_\_\_ Natural Drift   
These in gray require a separate admin. or Comm. approval.

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?  
 Yes  No  
Is this well an exception location?  
If yes, attach the approval letter.  
 Yes  No  
Is this well in a spaced or exempted area?

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

2. Operator: **CHESAPEAKE OPERATING INC**  
3. Address: **6100 N. WESTERN OKC, OK 73118**

Contact Person: **SARAH RODRIGUEZ** 3b. Phone Number: **405-935-7987** Email: **sarah.rodriguez@chk.com**

4. Location, (quarter-quarter and footages):  
Surface (SHL): NW SE 2,188 FSL 2,273 FEL  
Bottom (BHL): NW SW 1,648 FSL 660 FWL  
11. Section, Township & Range, Lot, TR (SHL): L/ S 19 T 34N , R 72W  
11a. Section, Township & Range, Lot, TR (BHL): S 18 T 34N , R 72W  
Latitude (SHL, NAD 83): 42.9021 Longitude (SHL, NAD 83): -105.54357  
Latitude (BHL, NAD 83): 42.91526 Longitude (BHL, NAD 83): -105.55228

7. Unit Name - Unit Number: (for committed lands only)  
**SUNDQUIST FLATS DEEP UNIT**

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: **N/A**

10. Reservoir(s): **NIORBARA**

13. Field Name: **WILDCAT**

8. Well Number and Name: **SUNDQUIST FLATS UNIT 19-34-72 1H**

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

19. Proposed depth: **18,455-MD 12,008-TVD** 21. Ungraded Elevation: **5,046.60** 21a. Graded Elevation: **5,046**

SIZE OF HOLE	SIZE OF CASING	Lb/ Foot	API Grade	NEW OR USED	CENTRALIZERS	DEPTH (MD)	Sx of CEMENT (API)	CLASS
13-1/2"	10-3/4"	45.5	J-55	NEW	11	SURF-1,700'	717	
9-7/8"	7-5/8"	29.7	P-110	NEW	32	SURF-10,803'	792	
6-3/4"	5-1/2"	20	P-110	NEW	16	SURF-10,603'	927	
6-3/4"	4-1/2"	13.5	P-110	NEW	16	10,603'-18,455'	927	

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)  
CHESAPEAKE OPERATING INC. PROPOSES TO DRILL A HORIZONTAL WELL TO TEST THE NIORBARA FORMATION. IF PRODUCTIVE, CASING WILL BE RUN & WELL COMPLETED. IF DRY, WELL WILL BE PLUGGED PER WOGCC REGULATIONS. COMPLETION PLAN WILL BE SENT ON A SUNDRY AT A LATER DATE.

WOGCC DATE STAMP  
**RECEIVED**  
JUL -5 2011  
WYOMING OIL & GAS  
CONSERVATION COMMISSION

AA 8-4-11 CHESAPEAKE REQUESTS CONFIDENTIALITY **CONFIDENTIAL**

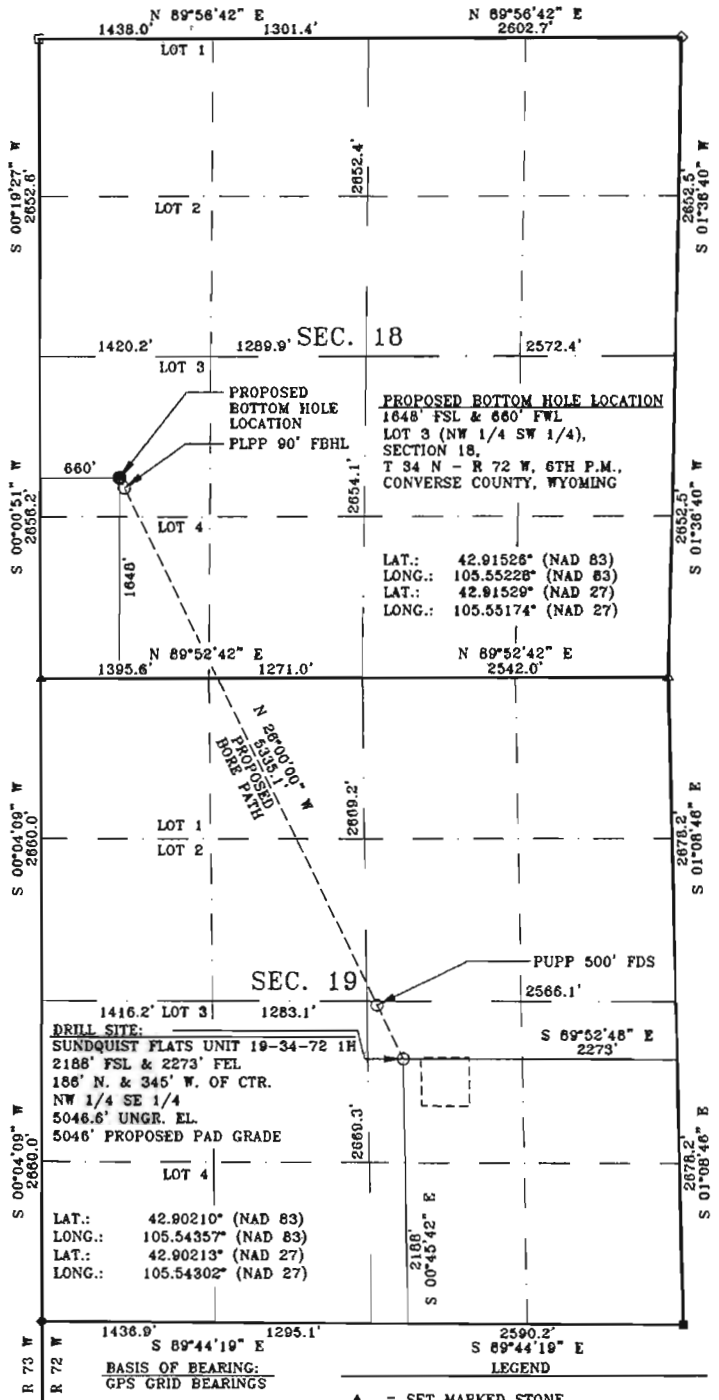
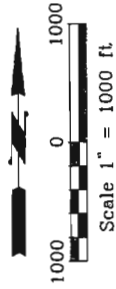
25. Signed: Sarah Rodriguez Title: **Regulatory Analyst** Date: **7/1/2011**  
Name Typed: **SARAH RODRIGUEZ** Phone: **405-935-7987** 20. Type of Bond: **NATIONWIDE NM 2634**

Operator: check boxes for included attachments.  
 Survey Plat  Form 1B  Directional Plan  Offset Water Well Data  
 Form IA  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 SPUDS and BOP tests by using the API number.  
No completion fluids in the Reserve Pit w/o approval.  
**All stimulations must be approved before completing.**

(The space below is for State Office use)  
Approved By: Mark Wlatzer  
State Oil and Gas Supervisor  
Approval Date: **AUGUST 10, 2011**

T 34 N - R 72 W



300' W. REF.  
5046.0' UNGR. EL.

350' N. REF.  
5056.0' UNGR. EL.

SURFACE LOCATION:  
X: 399159.6  
Y: 814768.0  
NAD 27

BOTTOM HOLE LOCATION:  
X: 396847.1  
Y: 819574.0  
NAD 27

PROPOSED BORE PATH  
NAD 27 AZ 334.3044°  
NAD 27 DISTANCE: 5333.4'  
GROUND DISTANCE: 5335.1'

NOTE: THE UPPER PERFORATION POINT  
WILL NOT START ANY CLOSER THAN  
500' FROM DRILL SITE.

THE LOWER PERFORATION POINT IS BACK  
90' FROM TOTAL DEPTH.

Land Surveying Incorporated by Raymond A. Scott, a registered land surveyor in the state of Wyoming, hereby certifies that this plat was made from data collected during an actual survey performed by Jeremiah Bush on April 20, 2011 and that the SUNDQUIST FLATS UNIT 19-34-72 1H well site was staked and is accurately represented on this plat. The bottom hole location shown on this plat is provided by Chesapeake Operating, Inc. and all coordinates for that position are calculated, not surveyed.



- ▲ = SET MARKED STONE  
◆ = SET MARKED STONE WITH REBAR  
■ = SET MARKED STONE WITH IRON PIPE  
△ = SET STONE  
□ = ALUMINUM CAP, LS 4528  
◇ = 2011 ALUMINUM CAP, PLS 9328

ALL COURSES ARE MEASURED

Prepared For: CHESAPEAKE OPERATING, INC.
Location: SUNDQUIST FLATS UNIT 19-34-72 1H 2188' FSL & 2273' FEL 186' NORTH & 345' WEST OF CENTER NW 1/4 SE 1/4 OF SECTION 19, T 34 N - R 72 W, 6TH P.M., CONVERSE COUNTY, WYOMING
Prepared By: LAND SURVEYING INCORPORATED 209 NORTH WORKS AVENUE GILLETTE, WY 82716
DATE: 06/20/2011 JOB #11-084A FILE: 11064AWP.DWG REVISION: MOVE BHL PER GEOLOGY CALIBRATION: RICHLAND LOOP REF: DB1