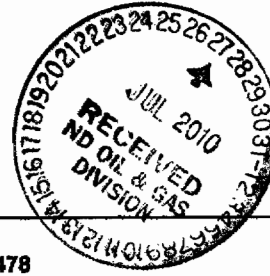




GEOPHYSICAL EXPLORATION PERMIT
 INDUSTRIAL COMMISSION OF NORTH DAKOTA
 OIL AND GAS DIVISION
 800 EAST BOULEVARD DEPT 405
 BISMARCK, ND 58505-0840
 SFN 81459 (02-2008)

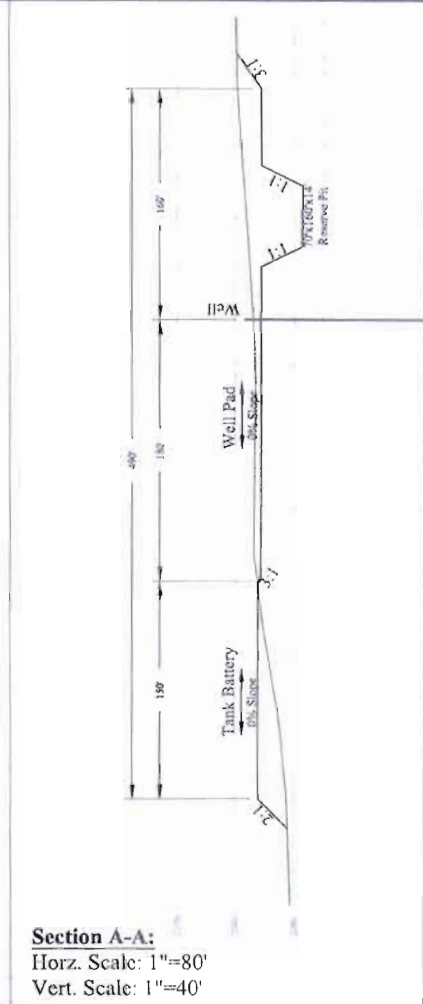
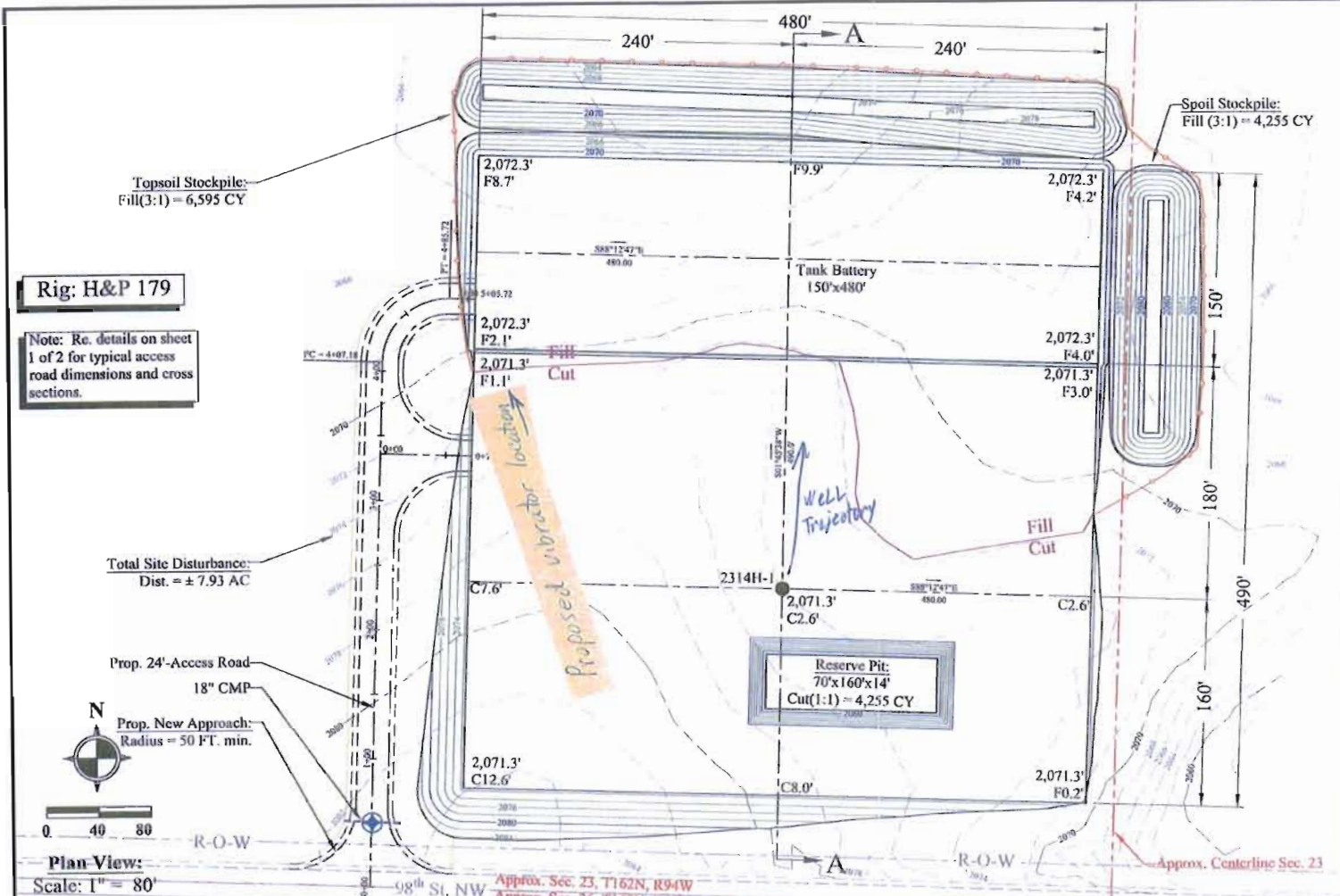


| | | | |
|--|----------------------------------|---|--|
| 1) a. Company Schlumberger Technology Corporation | | Address 300 Schlumberger Drive, Sugar land Tx 77478 | |
| Contact Stephen Fulgham | Telephone 281-285-8500 | Fax | |
| Surety Company Liberty Mutual Insurance Company | Bond Amount 25,000 | Bond Number 16-036-703 | |
| 2) a. Subcontractor(s) | | Address | |
| b. Subcontractor(s) | | Address | |
| c. Subcontractor(s) | | Address | |
| 3) Party Manager Lindsey Doubek | | Address (local) | Telephone (local) (701) 420-6917 |
| 4) Project Name or Line Numbers AV-Iverson VSP #19098 | | | |
| 5) Exploration Method (Shot Hole, Non-Explosive, 2D, 3D, Other) Non Explosive 2d | | | |
| 6) Approximate Start Date July 28, 2010 | | Approximate Completion Date August 7, 2010 | |

THE COMMISSION MUST BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF DRILL/PLUG OPERATIONS

| | | | | | |
|--|----------------------------|--|---------------------------------------|--|--|
| 7) Location of Proposed Project - County Burke | | | | | |
| Section(s), Township(s) & Range(s) | Section SE SW 23 | T. | 162 | R. | 94 |
| | Section | T. | | R. | |
| | Section | T. | | R. | |
| | Section | T. | | R. | |
| 8) Size of Hole 3-D | Amt of Charge | Depth | Source points per sq. mi. | No. of sq. mi. | 8) Must supply latitudes and longitudes of post-plot source and receiver points on an SD card. |
| Size of Hole 2-D | Amt of Charge | Depth | Source points per in. mi. 1 | No. of in. mi. on pad | |
| 10) Anticipated special drilling and plugging procedures? | | | | | |
| 11) Enclose a pre-plot map with proposed location of seismic program lines and powder mag. | | | | | |
| Signed <i>[Signature]</i> | | Title V.P. STC | | Date 07-27-2010 | |
| (This space for State office use) | | | | | |
| Permit No. 970193 | | Approval Date 7/28/10 | | Conditions of Approval if any - Approved point on pad only. Additional source pts must be prior approved. - Seismic rules apply. - 300' setback from water wells, springs, pipelines. | |
| Approved by <i>[Signature]</i> | | Title Mineral Resources Permit Manager | | | |
| County Approval Sent located on well pad | | | | | |
| | | | | | |

*See Instructions On Reverse Side



Rig: H&P 179

Note: Re. details on sheet 1 of 2 for typical access road dimensions and cross sections.

Topsoil Stockpile:
Fill(3:1) = 6,595 CY

Spoil Stockpile:
Fill (3:1) = 4,255 CY

Total Site Disturbance:
Dist. = ± 7.93 AC

Prop. 24'-Access Road
18" CMP

Prop. New Approach:
Radius = 50 FT. min.



Plan View:
Scale: 1" = 80'

Section A-A:
Horz. Scale: 1"=80'
Vert. Scale: 1"=40'

| Rev. | Date | Description | By | Appr. | Scale |
|------|------------|---|-----|-------|-------|
| 2 | 05/26/2010 | Revised reserve pit from SW corner of pad to SE corner | PDA | PDA | ETR |
| 1 | 05/25/2010 | Revised location for the north line of well pad, from north line of 18" CMP, to north line of 24" CMP | PDA | PDA | ETR |
| 0 | 04/23/2010 | Initial design for the well pad, based on site survey, siting, and design using Hinges Tops | PDA | PDA | ETR |

Legend:

| | |
|---------------------|-------------------------|
| Original Ground: | --- (dashed line) |
| 2'-Minor Contours: | --- (short dashed line) |
| 10'-Major Contours: | --- (long dashed line) |
| Finished Ground: | --- (solid line) |
| 2'-Minor Contours: | --- (short dashed line) |
| 10'-Major Contours: | --- (long dashed line) |

Total Disturbance: 7.93 AC

| | |
|----------------|------------------------------------|
| Prop. Roads | --- (dashed line) |
| Existing Roads | --- (solid line) |
| Silt Fence | --- (dashed line with cross-ticks) |
| Section Lines | --- (dashed line with dots) |
| Culvert | --- (dashed line with circles) |
| Cattle Guard | --- (dashed line with X's) |

Prepared By: **Wood Group Production Services**
Northern Business Unit
2615 Aviation Drive
PO Box 6817
Sheridan, WY 82801
307-675-6400
www.woodgroup.com

Client Contact: Paul Woody
Date: 04/23/2010
Scale: As Shown

Client: **HESS CORPORATION**
3520 North Broadway
Minot, North Dakota 58703
(701) 420-6900

Project No.: 117429
Task No.: NB Labor

Drawn: PDA
Design: PDA
Checked: ETR
Approval: PW

AV-Iverson 162-94-23141-1
Engineered Well Pad & Tank Battery
Design
Sec 23, T162N, R94W, 6TH P.M.
Burke County, North Dakota

Sheet: 2 of 2
Rev: 2

Holweger, Todd L.

From: Jason Couch [JCouch2@slb.com]
Sent: Monday, July 26, 2010 10:29 AM
To: Holweger, Todd L.
Subject: RE: Seismic_ExplPermit.pdf
Attachments: DOC072210 (2).pdf

Here is the permit and I will call Evie for the payment

Jason Couch
Xpert Seismic
Schlumberger
Wireline
2675 Valley View Dr
Shreveport, LA 71108
Bld 1D Seismic
Cell: +1 361 648 1330
Fax: +1 318 688 9216
Email: Jcouch2@slb.com