

McKENZIE COUNTY APPROACH PERMIT

Permit **HC181108PF**

PERMIT TO CONSTRUCT AN APPROACH TO A COUNTY MAINTAINED ROAD

Revised Application Effective May 12, 2014

Hess Corporation of **3015 16th St SW, Suite 20 Minot, ND 58701**

Approach Owner

Address, City, State & Zip

	Road where approach will be located	Section	Township (N)	Range (W)	Approach Type	If Multifamily, how many units? OR How many trucks per day?	For Official Use Only (Fee)
Approach 1	County Hwy 12	7	151	95	OP	*see below	\$500.00
Approach 2							

Total Fee:
\$500.00

*semi truck traffic will only be during construction, otherwise traffic will be 1-2 pickup trucks/day, with an occasional pump/vac truck for maintenance

APPROACH USE

Farm / Field Access (FF)

Limited use. Access to farm land or a field.

Residential- Single Family (SF)

Moderate use. Access to a single family home or farm.

Residential- Multi Family (MF)

High use. Access to multiple homes, farms, temporary housing including work camps.

Commercial (CM)

High truck use. Access to a commercial/industrial installation.

Oil Pad (OP)

Moderate truck use. Access to an Oil Pad.

Applicant will be responsible for any conflicts and associated costs whether inside Right of Way or outside Right of Way regardless of fault between this project and the County Road 12 project.

Site Name: KOG Midway Booster Station

Email Address: pfranklin@hess.com

Paul Franklin

Printed Name of Authorized Agent of the Contractor or Approach Owner

Telephone Number

WHERE SHOULD THE APPROVED PERMIT BE SENT TO:

Hess Corporation, co Paul Franklin

701-420-7188

Approach Owner or Agent Name for Approach Owner

Telephone Number

3015 16th ST SW, Suite 20

Address

Address

Minot, ND 58701

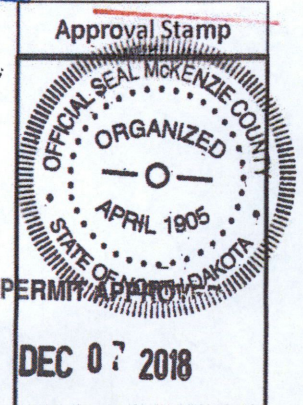
City, State & Zip Code

The Contractor must comply with all terms and conditions stated herein, especially the minimum engineering standards. Failure to comply with this **CONDITIONAL CONSENT** shall cause the contractor to be immediately or be responsible for the costs incurred by the county to remove the approach from right-of-way for non-compliance.

PU-18-24 Filed 04/23/2019 Pages: 19
McKenzie County Approach Permit
Hess North Dakota Pipelines LLC



PAID



Terms and Conditions

Approach Specs

Top width: 24' minimum- 40' maximum

8:1 Minimum Slopes Required

Black Dirt & Seeding* Required

Signs (if required)

Culvert (if required)

Applicant responsibility to

conduct hydrology study

to determine culvert size

Runoff Area (if required)

*County Approved Grass Seed Mix- Check with owner before using

Seed Mixture Per Live Seed

Grass Species lb/acre

Fairway Crested Wheat Grass 6

Slender Wheat Grass" 4

Russian Wild Rye 2

Oats 15

46-0-0 Fertilizer 20

" Pubescent Wheat Grass may be substituted

Approach Location Rules

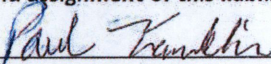
- Approaches must be staked prior to review. Any approach without a stake will be assessed a fee of \$200. No exceptions.
- Any unauthorized approaches will be assessed a fine of \$5,000
 - No building of approaches prior to approval
 - No use of existing change of use approach without approval
- Approaches must be a minimum of 500 ft. apart from each other
- Approaches must be a minimum of 500 ft. away from the junction of county roads and state highways.
- No more than 4 approaches per mile, per side of the road
- The county recommends culverts at a minimum size of 18 inch; however a hydrology study will have to be conducted by the applicant to determine the proper size for 25 year flood event. The county is not responsible for improper culvert installation.
- Applications must include map/plat to proposed location. Any application that does not have maps/plats of location will not be reviewed.
- Construction of approach must happen within 1 year or applicant must reapply.

Consent to construct an approach to a county maintained road is granted on these terms and conditions:

1. The Contractor must pay for all damage to the existing road caused by his activities.
2. The Contractor is responsible for any and all claims of damage, personal injury, or bodily injury that might result from their activities in McKenzie County. Furthermore, the Contractor agrees to indemnify and hold harmless McKenzie County for any and all claims of damage, either personal injury or property or any type of claim for damages of any nature whatsoever, whether valid or invalid, that is made against McKenzie County on account of the activities conducted by the Contractor.
3. The minimum road top width shall be 24 feet with adequate surfacing applies.
4. If required, a culvert sized adequately for a 25 year flood event shall be installed.
5. A clear sight stopping distance for the posted speed limit shall be used as a minimum clear sight distance.
6. If the approach will be used by the general public (as a section line road) a run off on the opposite side will be required. Signing will be required as shown in the current version of the "Manual of Uniform Traffic Control Devices". The installation and maintenance of the signs are the responsibility of the Contractor.
7. Any intersection that may constitute a hazard shall require dangerous intersection or other warning signs. These signs may be required after the construction of the approach if it proves to be a hazard to the public.
8. The approach shall be constructed with good workmanship so as to leave a neat appearing project.
9. Once completed the entire disturbed area with the exception of the road top shall be covered with black dirt and seeded with an approved seed mix.
10. Any disturbed area within the right-of-way shall be rehabilitated and seeded using a approved seed mix.
11. Maps and construction plans shall be included with this application.
12. Submit application once approach has been staked

AUTHORIZED AGENT OF THE CONTRACTOR

I, the undersigned, being an authorized agent of the Contractor described in the above, do hereby agree on behalf of the Contractor that all terms and conditions listed will be complied with, and any assignment of the approach described above shall include and assignment of this liability to comply with the terms and conditions as stated herein.



Signature of Authorized Agent of the Contractor or Approach Owner

9/5/2018

Date

SURFACE FACILITY AGREEMENT

In consideration of a non-refundable earnest money payment of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby **Marie Heller, Trustee of the Curtis and Sharon Anderson Revocable Trust, UDT July 16, 2013, whose address is 14501 42nd Street NW, Alexander, ND 58831-8712**, (herein referred to as "GRANTOR") do(es) hereby grant, bargain, sell and convey unto **HESS NORTH DAKOTA PIPELINES LLC**, a Delaware Limited Liability Company of **1501 McKinney St., Houston, TX 77010**, its affiliates, successors and assigns (hereinafter collectively referred to as "GRANTEE") a permanent, exclusive, free, and unobstructed easement for a surface use agreement (the "Easement"), together with a full right of ingress and egress thereto, over, across, under and through the following described lands in McKenzie County, State of North Dakota (the "Property").

TOWNSHIP 151 NORTH, RANGE 95 WEST, of 5th P.M.

Section 07: SE¼

Up to 7 acres, more or less, as further described in Exhibit A - attached

TERMS

The Easement under this Surface Facility Agreement ("Agreement") shall be for purposes of occupying and using the Property to construct, operate, maintain, alter, repair, replace, remove or abandon in place, meters and metering equipment, valves, pig launchers and receivers with fittings, and all other above ground, underground and surface appurtenances thereto, including electric or other related control systems, underground cables, wires and connections necessary or convenient for the operation of a pipeline or pipelines for the transportation of oil, gas, and other fluids or substances, or any of them, and the products thereof, and any other appurtenant facilities. The right to use this Easement shall belong to Grantee, and all those acting by or on behalf of it. GRANTOR hereby further grants to GRANTEE the right of ingress and egress to enter upon and use of the Property for operations.

1. GRANTOR hereby further grants to GRANTEE a temporary construction and maintenance easement (the "Temporary Easement"), together with full right of ingress and egress to be used only for purposes of, and only during times of, construction, repair, maintenance or removal operations for GRANTEE's improvements on the Property.
2. GRANTEE shall compensate GRANTOR as set forth in this Agreement and in the attached but unrecorded Compensation Calculation Worksheet ("Calculation Worksheet"). GRANTOR acknowledges that the payments set forth in this Agreement and in the Calculation Worksheet shall fully compensate GRANTOR for any and all damage occasioned by GRANTEE's exercise of its rights under this Agreement.

3. The term of this Agreement shall be for so long as any surface facility, constructed and/or covered under this Agreement, is in use. GRANTEE shall have the right, at its option, to terminate this Agreement by delivering written notice to GRANTOR, provided that all surface facility(ies) located on the Property are abandoned and all reclamation work is completed and approved, and the GRANTEE is released from responsibility therefore by the State of North Dakota. In no event shall the duration of the rights granted by this Agreement exceed ninety-nine (99) years.
4. GRANTEE agrees to secure all required permits pursuant to the rules and regulations of any and all local, state, and federal authorities. North Dakota law shall govern the interpretation and enforcement of this Agreement.
5. GRANTEE shall restore, repair, and reclaim all surface damages substantially as nearly as reasonably possible, caused by its operations hereunder, in accordance with all applicable state and federal laws, rules and regulations. GRANTEE shall maintain the Easement in a neat and orderly manner. Unless expressly set forth in the body of this Agreement, there are no additional conditions or limitations imposed upon GRANTEE's exercise of its rights hereunder.
6. Both the GRANTOR and the GRANTEE may assign this Agreement; provided, however, that no assignment or other change by GRANTOR in ownership or right to receive payment shall be binding upon GRANTEE unless and until GRANTOR furnishes to GRANTEE notice of such change in a properly recordable form.
7. The GRANTOR may use the Property for any and all purposes which do not interfere with the GRANTEE's full enjoyment of the rights hereby granted.
8. No failure to comply with any covenant on the part of GRANTEE shall be construed as a breach of this Agreement unless and until written notice has first been given to GRANTEE that GRANTOR believes GRANTEE has failed to comply with such covenant, setting out the grounds therefor, and GRANTEE has then failed to correct such failure within sixty (60) days after receipt of such notice or has failed to correct such failure within sixty (60) days after final determination, by agreement or by litigation in a court of competence, that a breach, in fact, exists.
9. Any notice, election, payment or other correspondence required or permitted hereunder shall be deemed to have been properly given or delivered when made in writing and delivered personally to the party to whom directed, or when deposited in the United States mail, postage prepaid, by registered or certified mail, return receipt requested, and addressed to the party to whom directed as follows:

If to GRANTEE: Hess North Dakota Pipelines LLC
Attn: Bakken Land Manager
1501 McKinney Street
Houston, TX 77010

If to GRANTOR(s): Marie Heller
10792 32nd ST NW
Keene, ND 58847-9445

10. This Agreement constitutes the entire agreement between the parties and supersedes all prior agreements and understandings, both written and oral, between the parties with respect to the subject matter hereof. This Agreement may only be amended, modified, or supplemented by a written instrument signed by all the parties expressly stating that such instrument is intended to amend, modify, or supplement this Agreement.
11. GRANTOR warrants and represents to the GRANTEE that, before executing this Agreement, he or she understands the terms, contents, conditions, and effects of this Agreement; that in making this Agreement he or she has had the opportunity to consult with counsel, if he or she so desires; and that no promise or representation of any kind has been made to him or her by, or by anyone acting for, GRANTEE, except as is expressly stated in this Agreement. GRANTOR has relied solely on his own judgment and, if

GRANTEE

HESS NORTH DAKOTA PIPELINES LLC

Michael Allen, Attorney in Fact

STATE OF _____ §

COUNTY OF _____ §

On the _____ day of _____, 2018, before me personally appeared **Michael Allen, Attorney in Fact**, known to me to be the person who executed the foregoing instrument, and acknowledged that he executed the same.

NOTARY PUBLIC:

My Commission Expires: _____

PLAN NOTES (CONTINUED)

SEEDING: Use a drill seeder at the rate specified in the mix design used perpendicular to the slope so surface water runoff cannot follow drill lines downhill creating erosion. The seed and fertilizer shall be based on the site soil characteristics shown. The cover crop can be changed to wheat, barley or oats if approved by the Hess Construction Manager.

LOAM, CLAYEY AND SANDY SOILS
 Mix 1 Native Rangeland (loam, clayey and sandy soils)
 Western Wheatgrass (Native cool-season rhizomatous grass)
 Canada Wildrye (Native cool-season bunchgrass)
 Sideoats grama (Native cool-season bunchgrass)
 Blue grama (Native warm-season bunchgrass)
 Triticale (Sterile annual cover crop)
 PLS (Pure Live Seed)
 4
 4
 4
 4
 10
 30 Total

SANDY AND SHALLOW SOILS
 Mix 2 Native Rangeland (sandy and shallow soils)
 Western Wheatgrass (Native cool-season rhizomatous grass)
 Prairie Sandreed (Native warm-season rhizomatous grass)
 Little Bluestem (Native warm-season bunchgrass)
 Canada Wildrye (Native cool-season bunchgrass)
 Blue grama (Native warm-season bunchgrass)
 Triticale (Sterile annual cover crop)
 PLS (Pure Live Seed)
 4
 2
 4
 4
 10
 28 Total

SALINE AND/OR SODIC SOILS
 Mix 3 Native Rangeland (Saline and/or sodic soils)
 Western Wheatgrass (Native cool-season rhizomatous grass)
 Slender Needgrass (Native cool-season bunchgrass)
 Canada Wildrye (Native cool-season bunchgrass)
 Blue grama (Native warm-season bunchgrass)
 Triticale (Sterile annual cover crop)
 PLS (Pure Live Seed)
 5
 5
 5
 10
 30 Total

STATE LAND MIX
 Mix 4 State Land Mix
 Western Wheatgrass (Native cool-season rhizomatous grass)
 Slender Needgrass (Native cool-season bunchgrass)
 Sideoats grama (Native warm-season bunchgrass)
 Triticale (Sterile annual cover crop)
 PLS (Pure Live Seed)
 5
 5
 5
 10
 30 Total

Seeding shall take place immediately once construction is complete. If seeding is not feasible, a cover crop may be applied as a temporary measure until seeding can be sewn if approved by the Hess Construction Manager. Approved cover crops are sterile triticale, wheat, barley and oats.

RECLAMATION: All reclamation activities will need to be approved by the Hess Project Manager before starting. Reclamation must NOT take place during times of excessive moisture where rutting occurs. The phases of reclamation are "Interim Reclamation" and "Final Reclamation".


INTERIM RECLAMATION: Interim reclamation consists of minimizing the footprint of disturbance by reclaiming all portions of the well site outside of the active well pad and road surface. The areas depicted shall be contoured to a final or intermediate contour that blends with the surrounding topography as much as possible. Spread topsoil over the pad and road surface. Seed and fertilize the areas depicted. The areas depicted shall be seeded and fertilized to help maintain its biological viability. All areas depicted on the interim reclamation sheet shall be reclaimed, stabilized, and seeded until final reclamation occurs.

BMPs shall be installed according to the details provided in the plan and according to manufacturer's specifications. Fiber rolls will be installed along the pad and road slopes in locations depicted in the plan. Fiber rolls for ditch bottom applications shall be excelsior fiber and for slope applications shall be straw wattles or an approved equal, installed according to manufacturer's specifications. Erosion control blanket (ECB) shall be installed as depicted in the plan and according to the details and manufacturer's specifications, secured with staples or other fasteners. The ECB materials on at least one side with netting. Use netting of photodegradable polypropylene or other plastic material fixed to the strand intersections.

FINAL RECLAMATION: During seed setting, the entire well site including the pad and the areas depicted on the interim reclamation sheet shall be reseeded, stabilized, and seeded. The well site shall be contoured to the final or intermediate contour, or one that they wish, the surrounding topography as much as possible. Spread topsoil over the pad and road surface. Seed and fertilize the areas depicted. The areas depicted shall be seeded and fertilized to help maintain its biological viability. All areas depicted on the final reclamation sheet shall be reclaimed, stabilized, and seeded until final reclamation occurs.

REMOVALS: Excess excavated material including pipe, stumps, roots, debris, soil materials or any other items Hess does not want salvaged, as approved by the Hess construction manager, shall become the contractor's property and shall be removed from the site and disposed of properly, incidental to the contract.

SURVEY: Survey is based on North Dakota State Plane System, NAD 83 (CORS 96), North (or South if in Dunn or Billings County Zone, U.S. Foot. Azimuths shown are grid azimuths, distances shown are grid distances. Vertical datum is NAVD 88, U.S. Survey Feet. Coordinates and elevations derived from OPUS Solution.



KLJ
 Professional Consulting
 Engineers and Surveyors
 North Dakota, South Dakota, Montana,
 Wyoming
 Tel: 701-463-1284
 Fax: 701-463-1284
 License No. 652-268-8055
 Certificate of Authorization #2-261

HESS
 EXPLORATION & PRODUCTION

HESS BAKKEN INVESTMENTS II, LLC NORTH DAKOTA PRODUCTION

MIDWAY VALVE SET BOOSTER PUMP

ENGINEERED PAD DESIGN AND CIVIL LAYOUT

DATE: 11/17/17
 DRAWN BY: MMB
 CHECKED BY: MMB
 DESIGNED BY: MMB
 APPROVED BY: PF
 DATE: 05/07/17
 SCALE: AS SHOWN

NDM-SOOG-PPL-WOP-01003

NDM-SOOG-CIV-LAY-01002

KLJ 3717156

SHEET 3 OF 3

NO.	DATE	DESCRIPTION	REVISIONS
1	10/29/18	ISSUED FOR CLIENT REVIEW	
2		REVISED: SKID PLACEMENT	
3		REVISED: SKID PLACEMENT	
4		REVISED: SKID PLACEMENT	
5		REVISED: SKID PLACEMENT	
6		REVISED: SKID PLACEMENT	
7		REVISED: SKID PLACEMENT	
8		REVISED: SKID PLACEMENT	
9		REVISED: SKID PLACEMENT	
10		REVISED: SKID PLACEMENT	
11		REVISED: SKID PLACEMENT	
12		REVISED: SKID PLACEMENT	
13		REVISED: SKID PLACEMENT	
14		REVISED: SKID PLACEMENT	
15		REVISED: SKID PLACEMENT	
16		REVISED: SKID PLACEMENT	

DATE: 11/17/17
 DRAWN BY: MMB
 CHECKED BY: MMB
 DESIGNED BY: MMB
 APPROVED BY: PF
 DATE: 05/07/17
 SCALE: AS SHOWN

NDM-SOOG-PPL-WOP-01003

NDM-SOOG-CIV-LAY-01002

KLJ 3717156

SHEET 3 OF 3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

BASIS OF ESTIMATE

BID ITEM	BASIS OF BID ITEM
MOBILIZATION	Includes haul permits and costs associated with any minor traffic control if applicable
CLEARING & GRUBBING	Plan quantity accounts for all acreage depicted in the plan as having trees within the proposed disturbance
TOPSOIL REMOVAL & STOCKPILE	Plan quantity assumes 10" depth
EXCAVATION & EMBANKMENT	Plan quantity includes an additional 15% for shrinkage. Includes compaction, finish grading, track packing slopes, etc.
WATER FOR EMBANKMENT	Plan quantity based on 10 Gal/CY; 1 M Gal = 1,000 Gallons
CORRUGATED METAL CULVERTS, ALL SIZES	Includes all costs for material and labor; includes cost for culvert object markers
CORRUGATED METAL END SECTIONS, ALL SIZES	Includes all cost for material and labor
SIGN INSTALLATION	Lump sum quantity includes 4x8" location sign, OHE warning sign, placards
STANDARD STORMWATER RELEASE	Includes all materials and labor to construct releases according to details
RIP RAP	Plan quantity includes all material needed for storm water release inlets, outlets and overflows at 1' depth, and length and width shown in details; includes cost associated with hauling and installing
GEO-TEXTILE	Plan quantity includes all material needed for placement of riprap; includes all cost associated with hauling and installing, shall be 8 oz non-woven geotextile material
SILT FENCE	Includes all costs for material and labor
CL 13 AGGREGATE	meets NDDOT specs, 4" depth compacted in place for pad, 6" depth compacted in place for roadway, plan quantity does not include volume for compaction; for pad and roadway surfacing
1" MINUS CLEAN ROCK	Rock shall have 20% passing 3/8" sieve, 4" depth in place for pad
WATER FOR AGGREGATE	Plan quantity based on assuming 1.875 Tons/CY; 20 Gal/Ton; 1 M Gal = 1,000 Gallons
TRUCKING OF AGGREGATE	Haul cost from the plant to the job site
WORKING OF AGGREGATE	Spreading, leveling, and compacting aggregate
INTERIM MOBILIZATION	Includes haul permits and costs associated with any minor traffic control if applicable
PLACING TOPSOIL	Plan quantity is for 10" depth
EROSION CONTROL BLANKET	NDDOT ECB Type 3
SEEDING	Mix design's provided in plan notes, based on soil characteristics
STRAW MULCH	1.5 Tons per acre of seeding
ROLLED SEDIMENT CONTROL	12" straw wattles or approved equal, for slope application
FENCE INSTALLATION	Includes cost for materials and labor
CATTLE GUARD(S)	Includes cost for materials and labor
EROSION CONTROL LOGS	12" excelsior fiber logs or approved equal, for ditch bottom application



KLJ
Professional Consulting
Engineers and Surveyors
North Dakota, South Dakota, Montana,
Wyoming, Nebraska, Colorado, Kansas
1400 E. 10th St., Suite 200
Bismarck, ND 58505-2805
Tel: 701-251-1234
Fax: 701-251-1234
Licenses: ND 0000000000, SD 0000000000, MT 0000000000, WY 0000000000, NE 0000000000, KS 0000000000, CO 0000000000
Certificate of Authorization #C-281

HESS
HESS BAKKEN INVESTMENTS II, LLC NORTH DAKOTA
EXPLORATION & PRODUCTION
NDM-SOOG-PPL-WOP-01003

MIDWAY VALVE SET BOOSTER PUMP

ENGINEERED PAD
DESIGN AND CIVIL LAYOUT

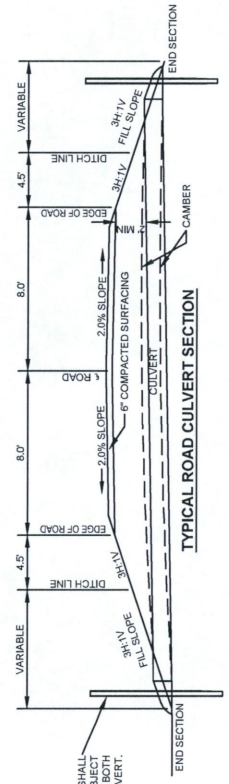
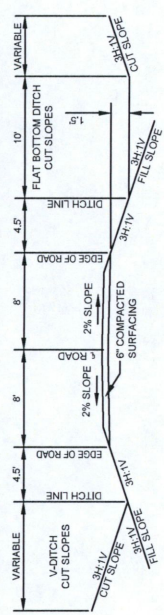
DATE: 07/15/16
DRAWN BY: MMB
CHECKED BY: DMAS
APPROVED BY: PF
DATE: 05/17/17
ISSUE: NTS
SHEET: 4
REV: 3
PROJECT: NDM-SOOG-CIV-LAY-01003



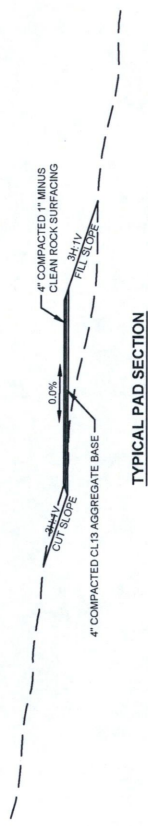
DATE	DESCRIPTION	REVISIONS
07/15/16	3. 11/10/16 UPDATED S&D SIZES	
07/15/16	2. 11/10/16 ISSUED FOR CONSTRUCTION	
07/15/16	1. 11/10/16 MOVED PAD AND ACCESS ROAD LOCATIONS	
07/15/16	0. 11/10/16 COMPLETED PLANS	
07/15/16	C. 11/10/16 PAVING PAD AND ACCESS, REVISED S&D PLACEMENT.	
07/15/16	B. 11/10/16 ADD ACCESS ROAD	
07/15/16	A. 11/10/16 ISSUED FOR CLIENT REVIEW	
07/15/16	MD DATE	

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

A B C D E F G H J



ALL ROAD CULVERTS SHALL HAVE CULVERT OBJECT MARKERS INSTALLED ON BOTH ENDS OF CULVERT.



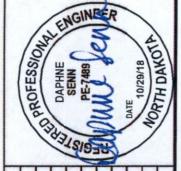
HESS BAKKEN INVESTMENTS II, LLC
 EXPLORATION & PRODUCTION
 NORTH DAKOTA PRODUCTION

MIDWAY VALVE SET BOOSTER PUMP
 ENGINEERED PAD DESIGN AND CIVIL LAYOUT

Professional Consulting Engineers and Surveyors
 North Dakota, South Dakota, Montana
 Tel: 701-463-1234
 Fax: 701-463-1234
 License No. 655-298-8055
 Dickinson, North Dakota 58502-0250
 Certificate of Authorization EC-01

DATE: 11/17/15	BY: MMB	DESIGN: MMB	CHECKED: MMB	DATE: 05/17/16	SCALE: NTS	SHEET: 5	REV: 3
PROJECT: NDIM-SOOG-PPL-WOP-01003				DRAWING NO.: NDIM-SOOG-CIV-LAY-01004			

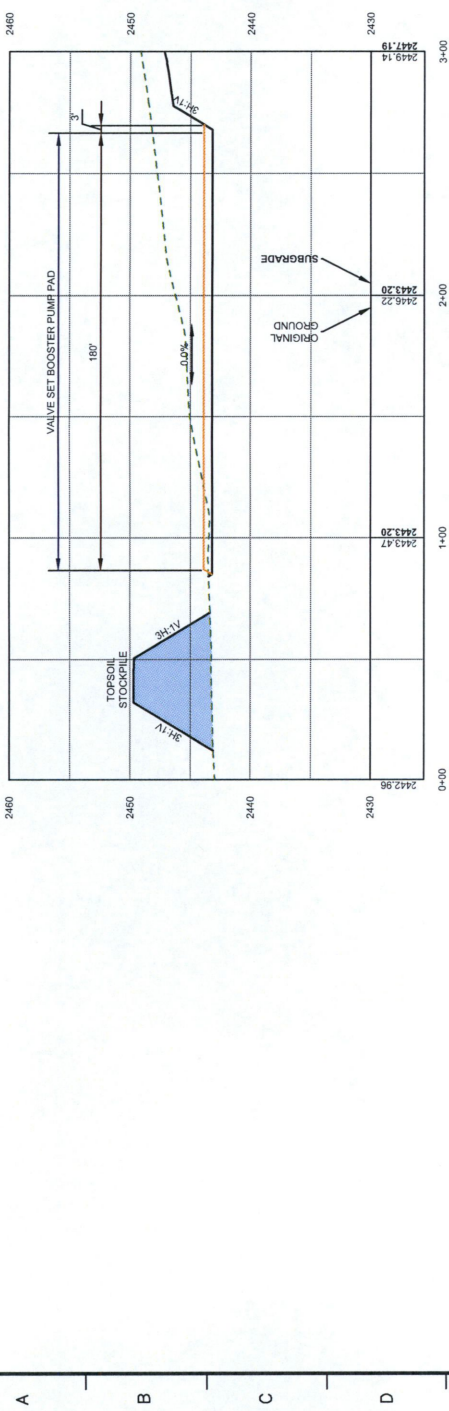
NO.	DATE	DESCRIPTION	REVISIONS
1	10/29/15	ISSUED FOR CLIENT REVIEW	
2	11/17/15	ISSUED FOR CONSTRUCTION	
3	11/17/15	UPDATED SKID SIZES	
4	11/17/15	ISSUED FOR CONSTRUCTION	
5	11/17/15	ISSUED FOR CONSTRUCTION	
6	11/17/15	ISSUED FOR CONSTRUCTION	
7	11/17/15	ISSUED FOR CONSTRUCTION	
8	11/17/15	ISSUED FOR CONSTRUCTION	
9	11/17/15	ISSUED FOR CONSTRUCTION	
10	11/17/15	ISSUED FOR CONSTRUCTION	
11	11/17/15	ISSUED FOR CONSTRUCTION	
12	11/17/15	ISSUED FOR CONSTRUCTION	
13	11/17/15	ISSUED FOR CONSTRUCTION	
14	11/17/15	ISSUED FOR CONSTRUCTION	
15	11/17/15	ISSUED FOR CONSTRUCTION	
16	11/17/15	ISSUED FOR CONSTRUCTION	
17	11/17/15	ISSUED FOR CONSTRUCTION	
18	11/17/15	ISSUED FOR CONSTRUCTION	
19	11/17/15	ISSUED FOR CONSTRUCTION	
20	11/17/15	ISSUED FOR CONSTRUCTION	



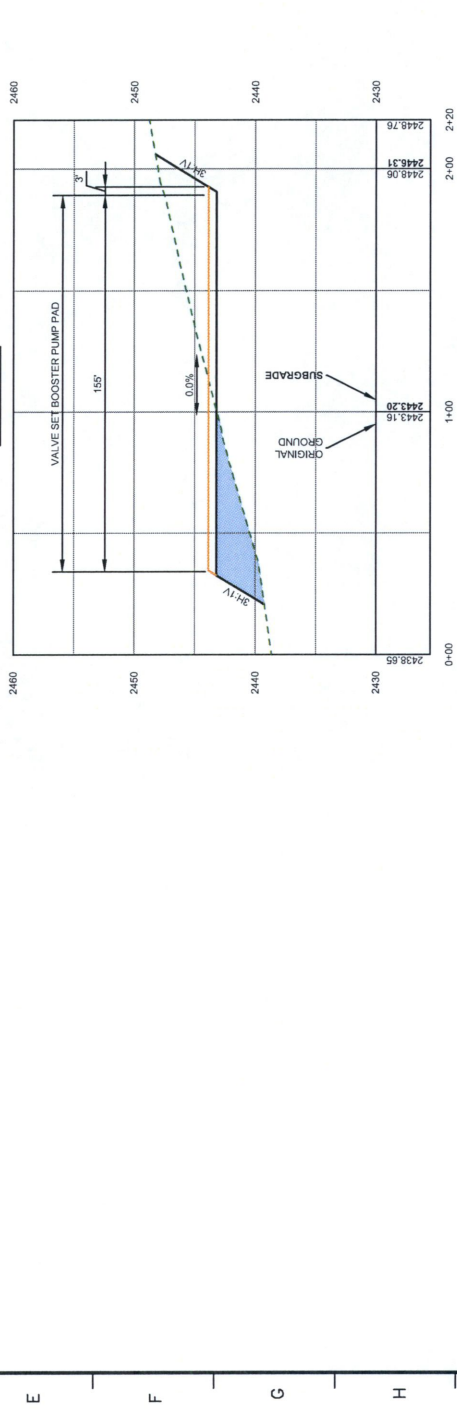
DRAWING NUMBER	TITLE
NDIM-SOOG-PPL-WOP-01003	MIDWAY VALVE SET BOOSTER PUMP
NDIM-SOOG-CIV-LAY-01004	ENGINEERED PAD DESIGN AND CIVIL LAYOUT

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

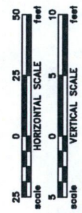
WELL/FACILITIES PAD PROFILES



SECTION A-A



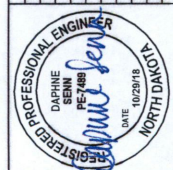
SECTION B-B



KLJ
Professional Consulting
Engineers and Surveyors
North Dakota, South Dakota, Montana,
Wyoming & Minnesota
Bus. Phone No. 701-483-1284
Dickinson, North Dakota 58502-0200
Certificate of Authorization #2-001

HESS
HESS BAKKEN INVESTMENTS II, LLC NORTH DAKOTA
EXPLORATION & PRODUCTION
NDM-SOOG-PPL-WOP-01003

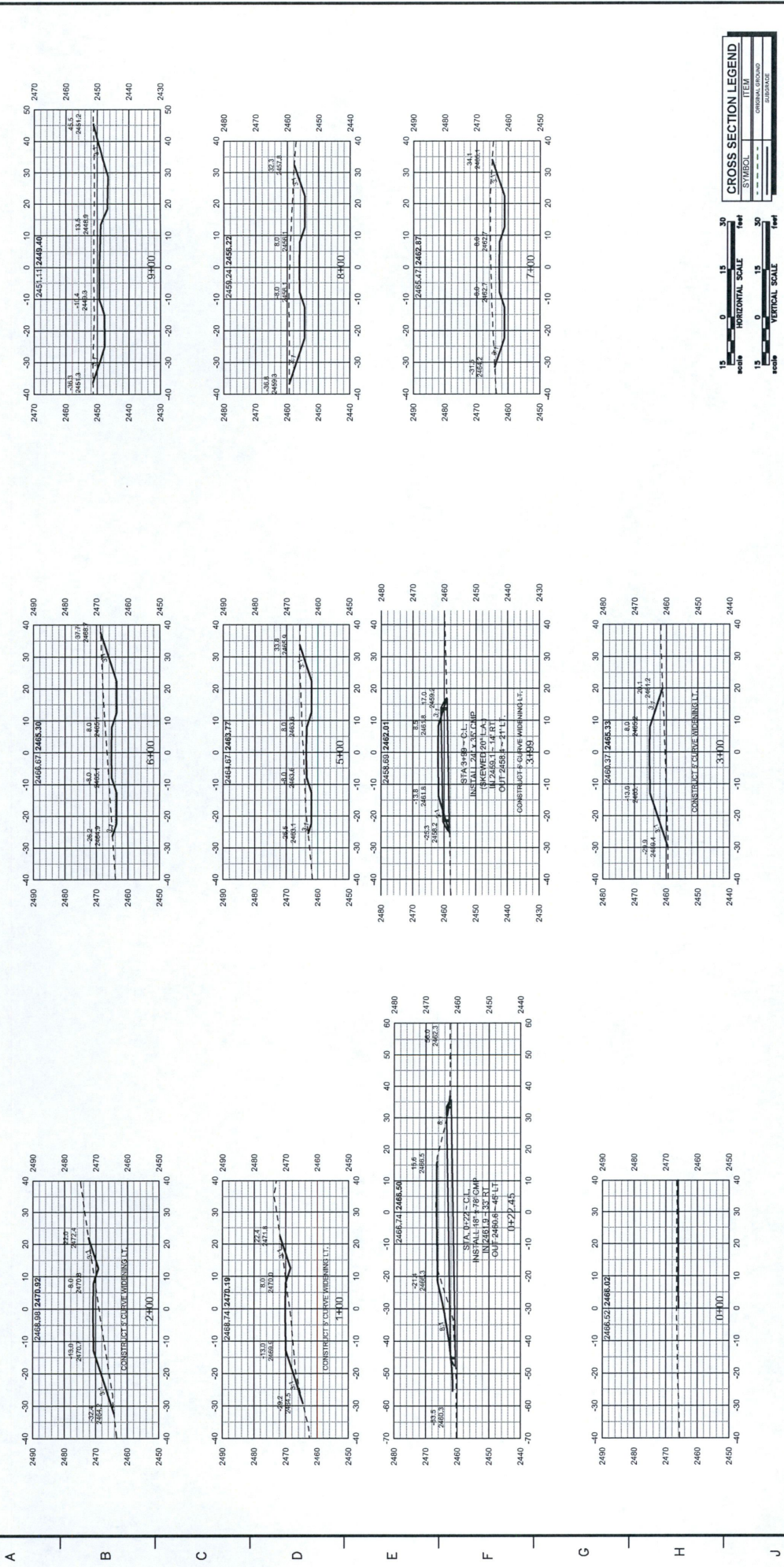
MIDWAY VALVE SET BOOSTER PUMP
ENGINEERED PAD
DESIGN AND CIVIL LAYOUT
DATE: 02/28/19
DRAWN BY: MWB
CHECKED BY: DMS
APPROVED BY: PF
DATE: 02/28/19
SCALE: AS SHOWN
SHEET: 6
REV: 3




NO.	DATE	DESCRIPTION	REVISIONS
3		MINOR UPDATED SKID SIZES	
2		MINOR ISSUED FOR CONSTRUCTION	
1		MINOR MOVED PAD AND ACCESS ROAD LOCATIONS	
D		REVISED COMPLETED PLANS	
C		REVISED RAISING PAD AND ACCESS, REVISED SKID PLACEMENT	
B		REVISED ADD ACCESS ROAD	
A		ISSUED FOR CLIENT REVIEW	

16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1

EAST ACCESS





KLJ
Professional Consulting
Engineers and Surveyors
North Dakota, South Dakota, Montana,
Wyoming & Minnesota
Box, Phone No. 701-484-1284
Fax, Phone No. 701-484-1284
Dulles, North Dakota 58502-0200
Certificate of Authorization EC-081

Hess
EXPLORATION & PRODUCTION
NDM-500Q-PPL-WOP-01003

Hess Bakken Investments II, LLC North Dakota Production

MIDWAY VALVE SET BOOSTER PUMP

ENGINEERED PAD DESIGN AND CIVIL LAYOUT

DATE: 10/29/18
DRAWN BY: MMB
CHECKED BY: MMB
DESIGNED BY: DMS
DATE: 05/17/17
SCALE: AS SHOWN
SHEET: 8
TOTAL SHEETS: 8

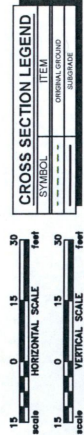
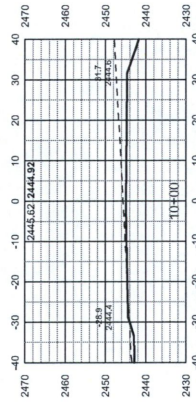
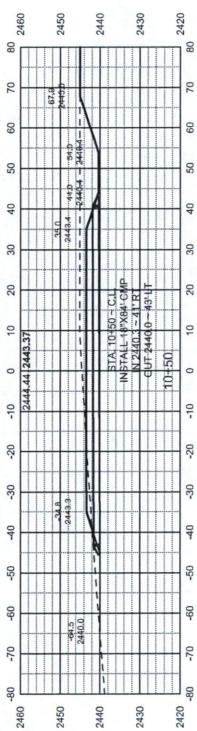
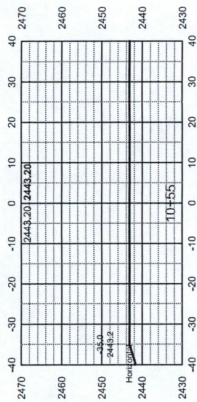
NO.	DATE	DESCRIPTION	BY	CHK
3	10/29/18	UPDATED SKID SIZES	CAD	DMS
2	10/29/18	ISSUED FOR CONSTRUCTION	CAD	DMS
1	10/29/18	MOVED PAD AND ACCESS ROAD LOCATIONS	CAD	DMS
D	07/17/18	COMPLETED PLANS	CLS	DMS
C	07/17/18	RAISING PAD AND ACCESS, REVISED SKID PLACEMENT	CLS	DMS
B	07/17/18	ADD ACCESS ROAD	CLS	DMS
A	07/17/18	ISSUED FOR CLIENT REVIEW	MMB	DMS

REGISTERED PROFESSIONAL ENGINEER
DAPHNE SEINE
PE-7480
DATE: 10/29/18
NORTH DAKOTA

REFERENCE DRAWINGS: 10-29-18 181110 AM coopykey

16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

EAST ACCESS



HES BAKKEN INVESTMENTS II, LLC NORTH DAKOTA PRODUCTION
EXPLORATION & PRODUCTION
NDM-500G-PPL-WOP-01003

MIDWAY VALVE SET BOOSTER PUMP
ENGINEERED PAD
DESIGN AND CIVIL LAYOUT

DATE: 10/20/18
DRAWN BY: MMB
CHECKED BY: MMB
APPROVED BY: PF
DATE: 05/17
SCALE: AS SHOWN

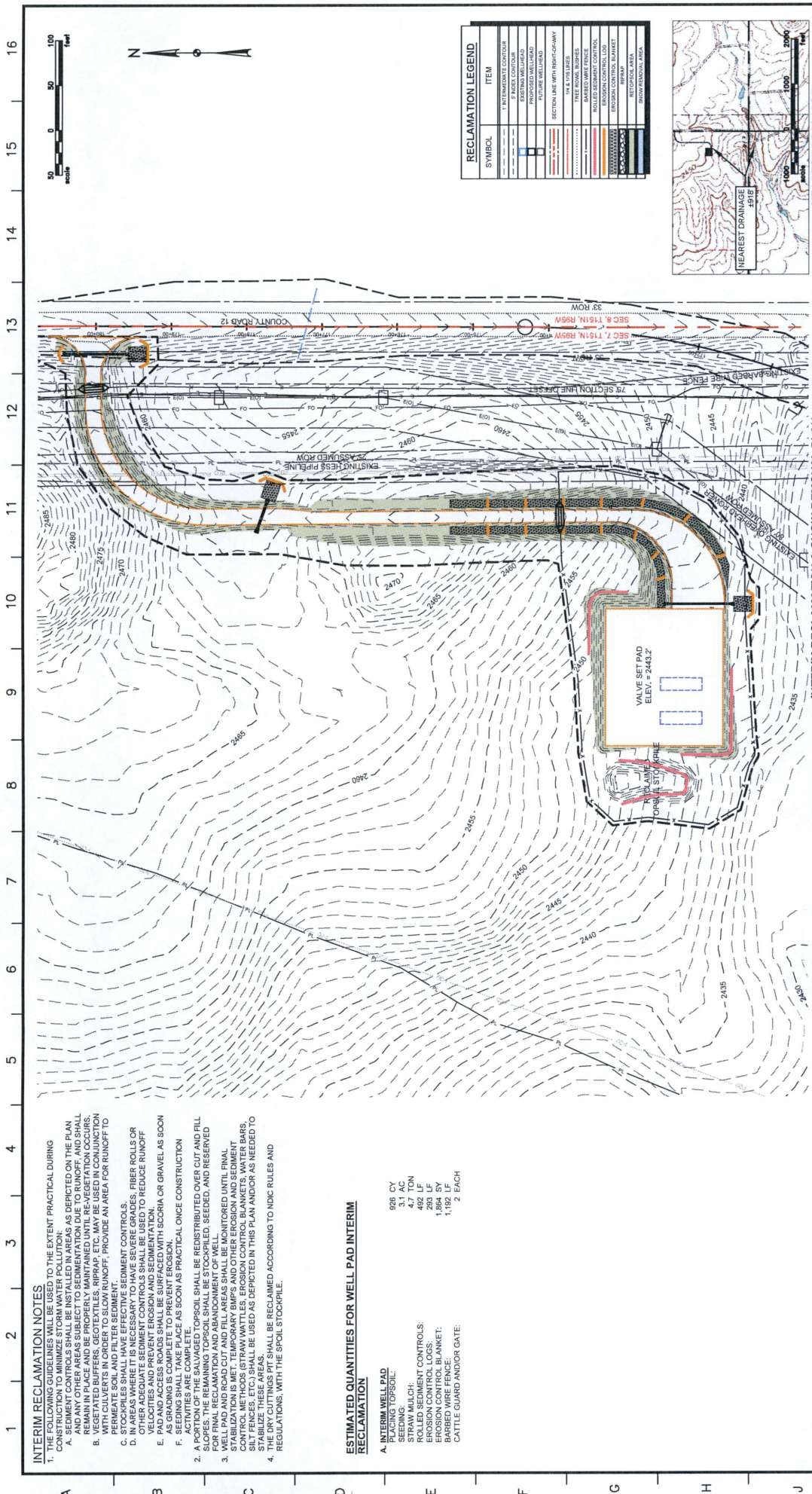
SIZE: 11X17
DRAWING NO.: HES DRAWING NO. NDM-500G-CIV-LAY-01008
SHEET NO.: 9 OF 3

KLJ
Professional Consulting
Engineers and Surveyors
North Dakota, South Dakota, Minnesota,
Texas, Florida, Georgia, Illinois
Bus. Phone No. 701-463-1284
Fax. Phone No. 701-463-0555
Toll-Free No. 800-298-8055
Dulles, North Dakota 58502-0250
Certificate of Authorization EC-061

CROSS SECTIONS

NO.	DATE	DESCRIPTION	BY	CHKD	APPD
3	10/20/18	UPDATED SMD SIZES	CAC	DMS	PF
2	10/20/18	ISSUED FOR CONSTRUCTION	CAC	DMS	PF
1	10/20/18	MOVED PAD AND ACCESS ROAD LOCATIONS	CAC	DMS	PF
0	07/18	COMPLETED PLANS	CLS	DMS	PF
C	07/18	RAISING PAD AND ACCESS, REVISED SMD PLACEMENT.	MMB	DMS	PF
B	07/17	ADD ACCESS ROAD	CLS	DMS	PF
A	07/17	ISSUED FOR CLIENT REVIEW.	MMB	DMS	PF

REGISTERED PROFESSIONAL ENGINEER
DAPHNE SEINE
PE 7486
DATE 10/20/18
NORTH DAKOTA



INTERIM RECLAMATION NOTES

- THE FOLLOWING GUIDELINES WILL BE USED TO THE EXTENT PRACTICAL DURING CONSTRUCTION:
 - SEEDING SHALL BE INSTALLED IN AREAS AS DEPICTED ON THE PLAN AND ANY OTHER AREAS SUBJECT TO SEDIMENTATION DUE TO RAINFALL, AND SHALL REMAIN IN PLACE AND BE PROPERLY MAINTAINED UNTIL RE-VEGETATION OCCURS.
 - WITH CULTIVETS IN ORDER TO SLOW RUNOFF, PROVIDE AN AREA FOR RUNOFF TO PERMEATE SOIL AND FILTER SEDIMENT.
 - STOCKPILES SHALL HAVE EFFECTIVE SEDIMENT CONTROLS. STOCKPILES SHALL BE COVERED WITH MULCH, STRAW MATS, FIBER ROLLS OR OTHER APPROPRIATE SEDIMENT CONTROL MEASURES TO REDUCE RUNOFF VELOCITIES AND PREVENT EROSION AND SEDIMENTATION.
 - PAD AND ACCESS ROADS SHALL BE SURFACED WITH SCORIA OR GRAVEL AS SOON AS GRADING IS COMPLETE TO PREVENT EROSION.
 - OTHER APPROPRIATE SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICAL.
 - ACTIVITIES ARE COMPLETE.
- A PORTION OF THE SALVAGED TOPSOIL SHALL BE REDISTRIBUTED OVER CUT AND FILL SLOPES. THE REMAINING TOPSOIL SHALL BE STOCKPILED, SEED, AND RESERVED FOR FUTURE USE.
- WELL PAD AND ROAD CUT AND FILL AREAS SHALL BE MONITORED UNTIL FINAL STABILIZATION IS MET. TEMPORARY BMPs AND OTHER EROSION AND SEDIMENT CONTROL METHODS (STRAW MATS, EROSION CONTROL BLANKETS, WATER BARS, EROSION CONTROL MATS, EROSION CONTROL MATS, EROSION CONTROL MATS) SHALL BE USED AS DEPICTED IN THIS PLAN AND/OR AS NEEDED TO STABILIZE THESE AREAS.
- THE DRY CUTTINGS PIT SHALL BE RECLAIMED ACCORDING TO NDC RULES AND REGULATIONS, WITH THE SPOIL STOCKPILE.

ESTIMATED QUANTITIES FOR WELL PAD INTERIM RECLAMATION

A. INTERIM WELL PAD RECLAMATION	926 CY
PLACING TOPSOIL:	3.1 AC
SEEDING:	4.7 TON
STRAW MULCH CONTROL LOGS:	283 LF
EROSION CONTROL LOGS:	1,864 SY
EROSION CONTROL BLANKET:	1,192 LF
BARBED WIRE FENCE:	2 EACH
CATTLE GUARD AND/OR GATE:	

KLJ
Professional Consulting Engineers and Surveyors
North Dakota, South Dakota, Montana, Wyoming
11877 11th Street, Suite 100, Bismarck, ND 58505
Tel: 701-252-8855
Fax: 701-252-8855
E-mail: info@klj.com

HESS
HESS BAKKEN INVESTMENTS II, LLC NORTH DAKOTA PRODUCTION
EXPLORATION & PRODUCTION
NDM-SOOG-PPL-WOP-01003
MIDWAY VALVE SET BOOSTER PUMP
ENGINEERED PAD DESIGN AND CIVIL LAYOUT

NO.	DATE	DESCRIPTION
1	02/29/15	ISSUED FOR CLIENT REVIEW
2		REVISED SKID PLACEMENT
3		REVISED SKID PLACEMENT
4		REVISED SKID PLACEMENT
5		REVISED SKID PLACEMENT
6		REVISED SKID PLACEMENT
7		REVISED SKID PLACEMENT
8		REVISED SKID PLACEMENT
9		REVISED SKID PLACEMENT
10		REVISED SKID PLACEMENT
11		REVISED SKID PLACEMENT
12		REVISED SKID PLACEMENT
13		REVISED SKID PLACEMENT
14		REVISED SKID PLACEMENT
15		REVISED SKID PLACEMENT
16		REVISED SKID PLACEMENT
17		REVISED SKID PLACEMENT
18		REVISED SKID PLACEMENT
19		REVISED SKID PLACEMENT
20		REVISED SKID PLACEMENT

DATE: 02/29/15
DRAWN: [Signature]
CHECKED: [Signature]
DATE: 02/29/15

DATE: 02/29/15
DRAWN: [Signature]
CHECKED: [Signature]
DATE: 02/29/15

