

**MURVIN & MEIER OIL CO.
K/S CUNNINGHAM LEASE
30 ACRES±
WELL NO. 1**

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)
 NAD'27 S.P.C.(FT) N. 198,090 E. 1,556,855
 NAD'27 GEO. LAT-(N) 39.03331 LONG-(W) 81.06001
 NAD'83 UTM (M) N. 4,320,484 E. 494,820

NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON GRID NORTH FOR THE WV STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 03-19-14.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM WELL PLAT 47-085-2075-P.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF RITCHIE COUNTY IN JULY, 2013.
5. WELL LAT./LONG. (NAD'27) ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

REFERENCES



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. 677 *Gregory A. Smith*



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE MARCH 31, 20 14
 REVISED _____, 20 ____
 OPERATORS WELL NO. K/S CUNNINGHAM #1
 API WELL NO. 47 - 85 - 10/28
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 8203P1 (497-39)
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS SUBMETER MAPPING GRADE SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 OFFICE OF OIL AND GAS



WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION STORAGE ___ DEEP ___ SHALLOW

LOCATION: ELEVATION 1,108' WATERSHED MIDDLE FORK OF LEATHER BARK CREEK
 DISTRICT MURPHY COUNTY RITCHIE QUADRANGLE SMITHVILLE 7.5'

SURFACE OWNER SANDRA LENHART ACREAGE 68.62±
 ROYALTY OWNER KIEDAISCH & SUMMERS ETAL ACREAGE 30±
 PROPOSED WORK: LEASE NO. _____

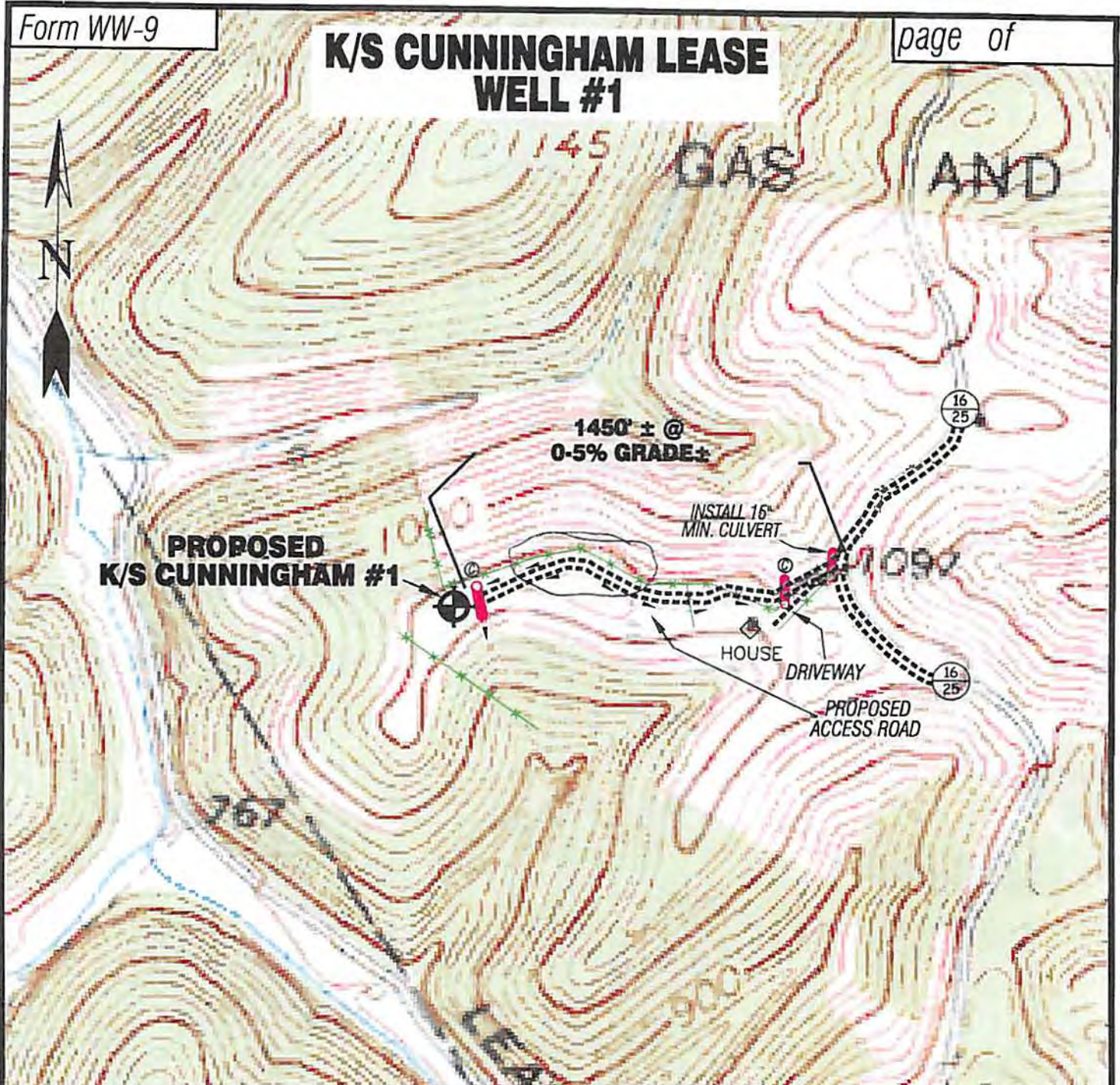
DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___ OTHER ___
 PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION RHINESTREET
 ESTIMATED DEPTH 6,400'

WELL OPERATOR MURVIN & MEIER OIL COMPANY DESIGNATED AGENT P. NATHAN BOWLES, JR.
 ADDRESS P.O. BOX 396 ADDRESS P.O. BOX 1237
 OLNEY, IL 62450 CHARLESTON, WV 25325

07/04/2014

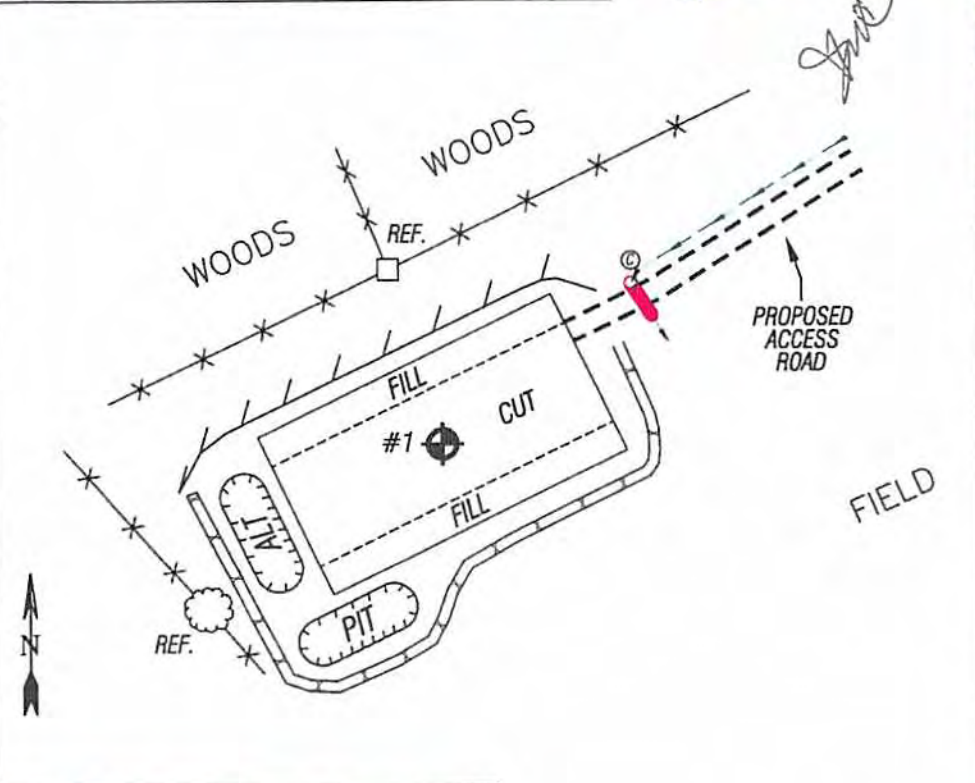
COUNTY NAME PERMIT

K/S CUNNINGHAM LEASE WELL #1



Detail Sketch for Proposed Well K/S CUNNINGHAM #1

6/25/2014



SCALE: 1" = 500'



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WV D E P OIL AND GAS BMP MANUAL ENTRANCES AT COUNTY/STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WV D O T REGULATION SEPARATE PERMITS MAY BE REQUIRED BY THE D O T

SEDIMENT BASINS (TRAPS) AND APPROPRIATE EROSION CONTROL BARRIERS ARE TO BE CONSTRUCTED AT ALL CULVERT AND CROSS DRAIN INLETS AND OUTLETS AS REQUIRED IN THE WV D E P OIL AND GAS BMP MANUAL FIELD CONDITIONS (ROCK OUTCROPS AND BEDROCK) MAY PROHIBIT INLET TRAPS BEING INSTALLED WHEN THESE CONDITIONS EXIST ADDITIONAL EROSION CONTROL MEASURES SHALL BE EVALUATED AND UTILIZED AS NEEDED

EARTHWORK CONTRACTORS ARE RESPONSIBLE FOR NOTIFICATION TO THE OPERATOR AND INSPECTOR PRIOR TO ANY DEVIATION FROM THIS PLAN

TEMPORARY SEED & MULCH ALL SLOPES AFTER CONSTRUCTION OF LOCATION

CUT & STACK ALL MARKETABLE TIMBER

STACKED BRUSH MAY BE USED FOR SEDIMENT CONTROL

APPLICATIONS FOR SEPARATE PLC PERMITS ON THE ACCESS ROAD STREAM CROSSINGS HAVE BEEN PREPARED (IF APPLIES)

- EXISTING CULVERT
- PROPOSED CULVERT 12" MIN UNLESS OTHERWISE NOTED
- PROPOSED STREAM CROSSING
- APPROXIMATE LIMITS OF DISTURBANCE

Not To Scale

Professional Energy Consultants
A DIVISION OF SMITHLAND SURVEYING, INC.

SLS

SURVEYORS
ENGINEERS
ENVIRONMENTAL
PROJECT MGMT.

(304) 482-5634
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TOPO SECTION OF SMITHVILLE 7.5' USGS TOPO QUADRANGLE

DRAWN BY C.P.M.	FILE NO. 8203	DATE 05-29-14	CADD FILE: 8203REC1R.dwg
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