

NOTES ON SURVEY

1. NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL.

POSSIBLE 109 ACRES± TRACT

LATITUDE 39°00'00"

LONGITUDE 81°05'00"

NAD'27 GRID NORTH

BUCKEYE OIL PRODUCING 34.25 ACRES±

HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP 199.15 ACRES± TM 08-07

DOUGLAS & SHIRLEY TAYLOR 69 ACRES±

DOUGLAS E. & SHIRLEY TAYLOR 62 ACRES± TM 08-12

DOUGLAS & SHIRLEY TAYLOR 99.44 ACRES± TM 08-15

DOUGLAS TAYLOR 105.59 ACRES±

LEGEND

LEASE LINE	---
SURFACE LINE	----
WELL LATERAL	- - - -
OFFSET LINE	----
TIE LINE	----
CREEK	~~~~~
FENCE	* * * * *
PROPOSED WELL	⊙
EXISTING WELL	⊙
PERMITTED WELL	⊙
TAX MAP-PARCEL	00-00

BOTTOM HOLE WELL NO. 1HA

WELL NO. 1HA

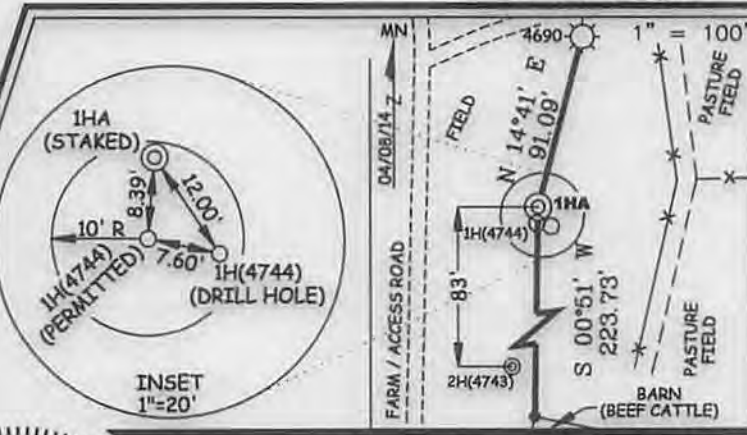
J.M. BENNETT LEASE
700 ACRES±
WELL NO. 1HA
 (S.P.C. SOUTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'27 S.P.C.(FT)	N. 724,083	E. 1,987,824
NAD'27 GEO.	LAT-(N) 38.98839	LONG-(W) 81.11319
NAD'83 UTM (M)	N. 4,315,503	E. 490,211

BOTTOM HOLE

NAD'27 S.P.C.(FT)	N. 726,085	E. 1,966,135
NAD'27 GEO.	LAT-(N) 39.99388	LONG-(W) 81.11914
NAD'83 UTM (M)	N. 4,316,113	E. 489,697

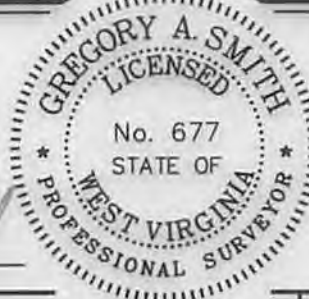
REFERENCES



Professional Energy Consultants
 A DIVISION OF SMITH LAND SURVEYING INC.

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 PROJECT MGMT.

(204) 402-8834 WWW.SLSURVEYS.COM




I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN 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. *Gregory A. Smith*
 677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE JUNE 09, 20 14
 REVISED AUGUST 12, 20 14
 OPERATORS WELL NO. J.M. BENNETT 1HA
 API WELL NO. 47-013-04747H
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 8040P1HA
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (MAPPING GRADE TIE TO CORS NETWORK) 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 1,002' WATERSHED UNNAMED DRAIN & BIG RUN OF YELLOW CREEK
 DISTRICT SHERIDAN COUNTY CALHOUN QUADRANGLE GRANTSVILLE 7.5'

SURFACE OWNER DOUGLAS E. AND SHIRLEY TAYLOR ACREAGE 62±
 ROYALTY OWNER J.M. BENNETT HEIRS AND/OR ASSIGNS ACREAGE 700±

PROPOSED WORK:
 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 BEREA
 ESTIMATED DEPTH TVD 2,467' TMD 4,840'

WELL OPERATOR BUCKEYE OIL PRODUCING CO. DESIGNATED AGENT HENRY W. SINNETT
 ADDRESS P.O. BOX 129 ADDRESS RT. 1 BOX 150A
WOOSTER, OH 44691 BIG BEND, WV 26136

08/22/2014

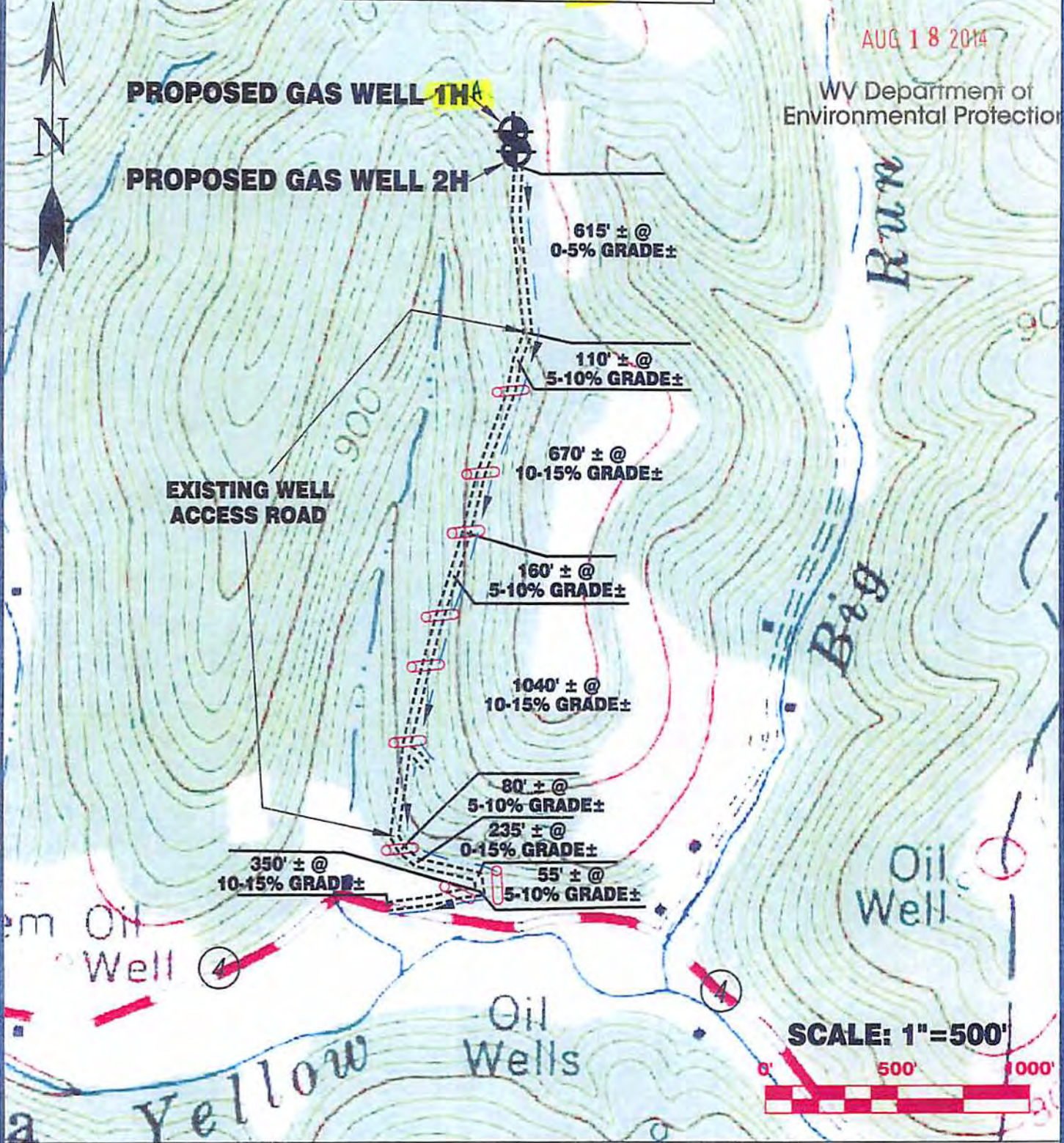
COUNTY NAME PERMIT

J.M. BENNETT LEASE WELL NO.S 1H & 2H

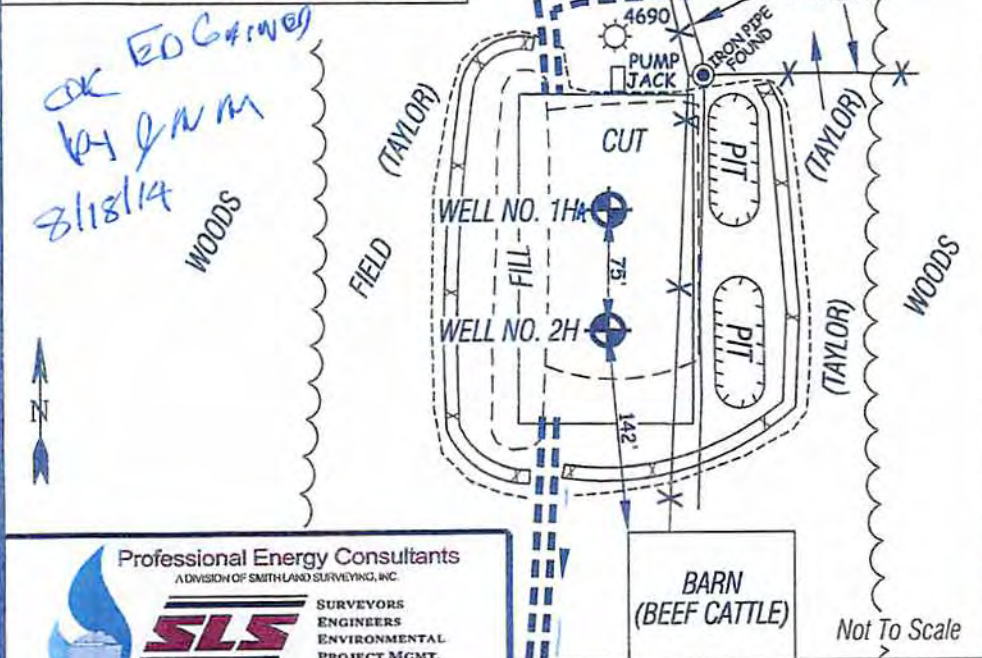
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AUG 18 2014

WV Department of
Environmental Protection



Detail Sketch for Proposed Wells 1H & 2H



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 15' MIN UNLESS OTHERWISE NOTED
- = PROPOSED STREAM CROSSING
- = APPROXIMATE LIMITS OF DISTURBANCE

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DRAWN BY: K.O.W.
FILE NO.: 8040
DATE: 06/09/14
CADD FILE:

TOPO SECTION OF GRANTSVILLE 7.5'
USGS TOPO QUADRANGLE