

A	HELLEN HARR TRUST ET AL	1.5 ACRES±	TM 15-65.2
B	JAMES P. HARR JR.	17.49 ACRES±	TM 15-64
C	PAUL J. TENNANT	0.33 ACRES±	TM 12-73.1
D	PAUL J. TENNANT	0.04 ACRES±	TM 12-73.2
E	JAMES P. HARR JR.	13.33 ACRES±	TM 15-63
F	HELLEN HARR TRUST ET AL	1.02 ACRES±	TM 15-65.1
G	RICHARD N. GLASPELL	1.26 ACRES±	TM 15-66.1
H	PAUL J. TENNANT	0.447 ACRES±	TM 12-73.4

LATITUDE 39° 22' 30"

DUNHAM LEASE DUNHAM 1H

577.33 ACRES± LEASE
(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

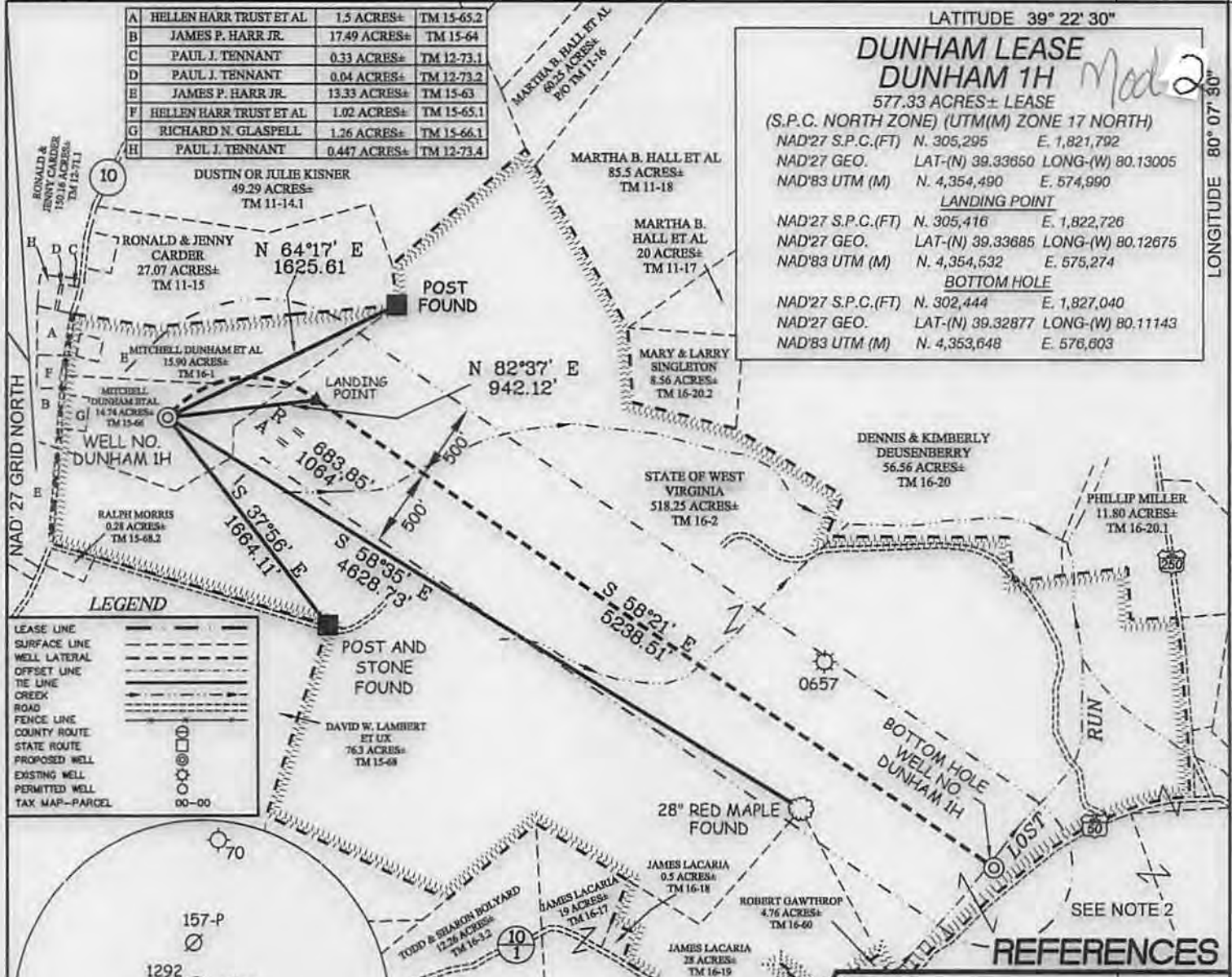
NAD'27 S.P.C.(FT) N. 305,295 E. 1,821,792
 NAD'27 GEO. LAT-(N) 39.33650 LONG-(W) 80.13005
 NAD'83 UTM (M) N. 4,354,490 E. 574,990

LANDING POINT

NAD'27 S.P.C.(FT) N. 305,416 E. 1,822,726
 NAD'27 GEO. LAT-(N) 39.33685 LONG-(W) 80.12675
 NAD'83 UTM (M) N. 4,354,532 E. 575,274

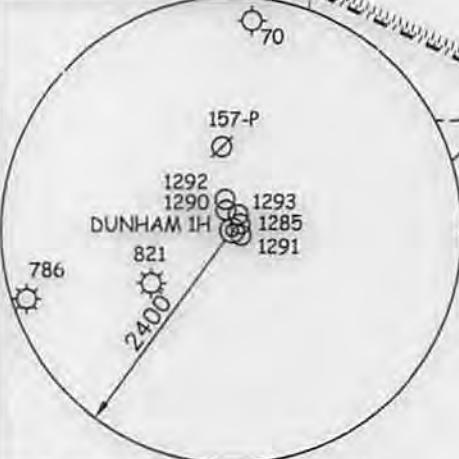
BOTTOM HOLE

NAD'27 S.P.C.(FT) N. 302,444 E. 1,827,040
 NAD'27 GEO. LAT-(N) 39.32877 LONG-(W) 80.11143
 NAD'83 UTM (M) N. 4,353,648 E. 576,603



LEGEND

LEASE LINE	---
SURFACE LINE	----
WELL LATERAL	-----
OFFSET LINE	-----
TIE LINE	-----
CREEK	~~~~~
ROAD	=====
FENCE LINE	-----
COUNTY ROUTE	-----
STATE ROUTE	-----
PROPOSED WELL	○
EXISTING WELL	⊙
PERMITTED WELL	⊙
TAX MAP-PARCEL	00-00



NOTES ON SURVEY

- NO WATER WELLS WERE FOUND WITHIN 250' OF PROPOSED GAS WELL. NO AGRICULTURAL BUILDINGS > 2500 SQ. FT. OR DWELLINGS WERE FOUND WITHIN 625' OF THE CENTER OF PROPOSED WELL PAD.
- U.S. ROUTE 50 IN THIS AREA IS ALSO KNOWN AS OLD NORTHWESTERN VIRGINIA TURNPIKE.



Professional Energy Consultants
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 PROJECT MGMT.

(204) 432-9834 WWW.SLSURVEYS.COM



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. 2266 *[Signature]*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE OCTOBER 1, 20 13

REVISED JUNE 13, 20 14

OPERATORS WELL NO. DUNHAM 1H

API WELL NO. 47 - 91 - 1290

STATE 764 COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/2500 FILE NO. 7754P1HR2

HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 1000'

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 1,420' WATERSHED TRIBUTARY OF LOST RUN

DISTRICT BOOTH'S CREEK COUNTY TAYLOR QUADRANGLE ROSEMONT 7.5'

SURFACE OWNER MITCHELL DUNHAM ET AL ACREAGE 14.74±

ROYALTY OWNER SEE ATTACHED WW-6A1 ACREAGE 577.33±

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 MARCELLUS

ESTIMATED DEPTH TVD 7,500' / TMD 13,520'

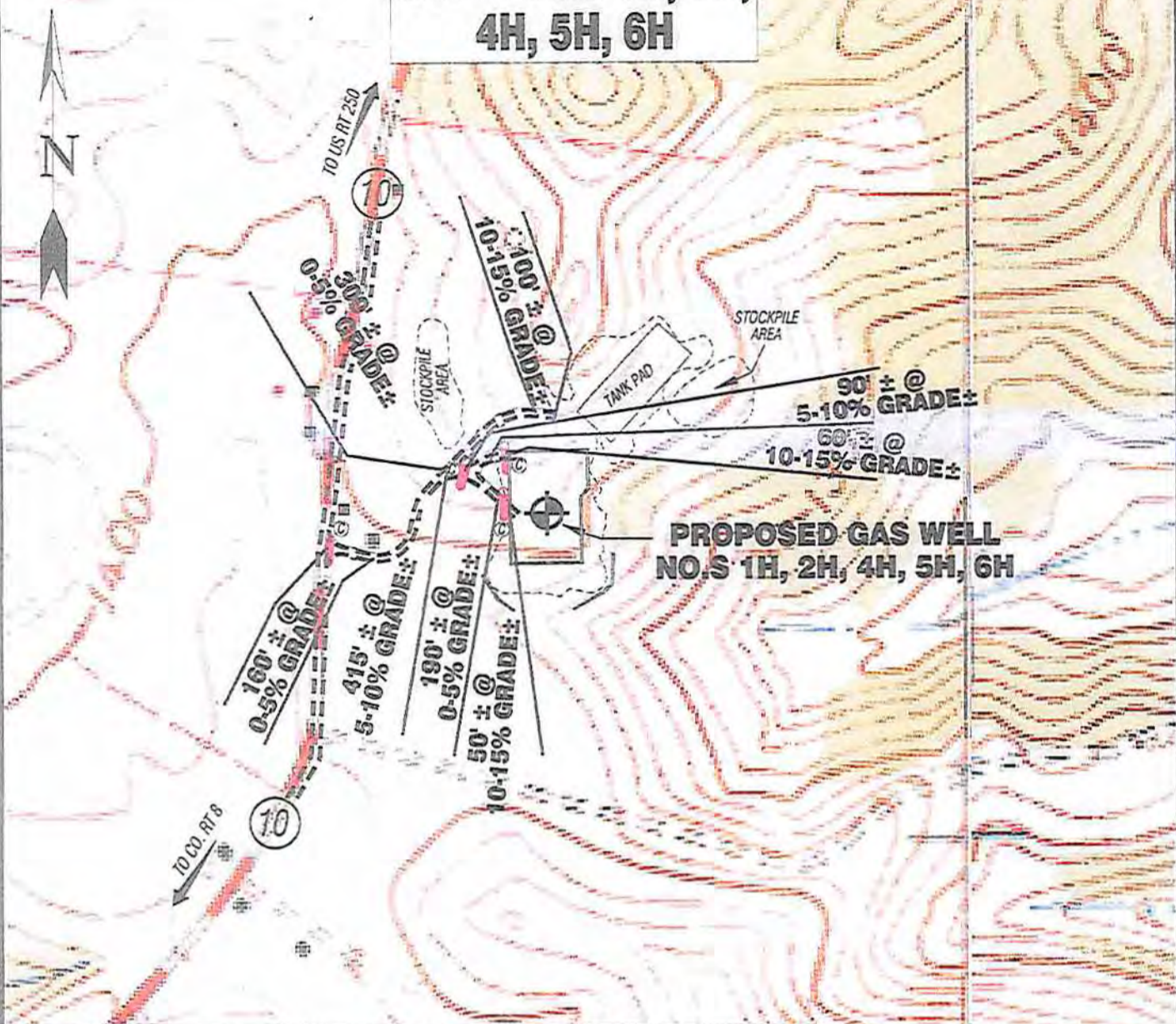
WELL OPERATOR TRIANA ENERGY, L.L.C. DESIGNATED AGENT RACHELLE A. KING

ADDRESS 900 VIRGINIA STREET EAST, SUITE 400 ADDRESS 900 VIRGINIA STREET EAST, SUITE 400

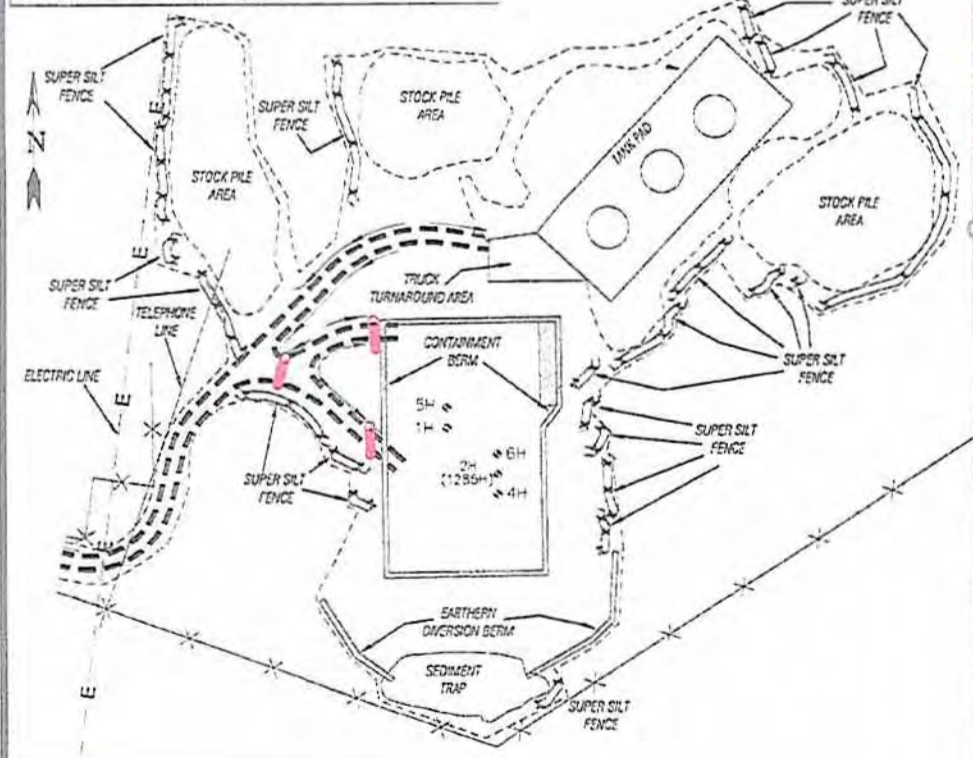
CHARLESTON, WV 25301 CHARLESTON, WV 25301

07/04/2014

**DUNHAM LEASE
WELL NO.S 1H, 2H,
4H, 5H, 6H**



Detail Sketch for Proposed Dunham Wells



SCALE: 1"=500'



ALL ROADS SHOWN HEREON ARE EXISTING UNLESS OTHERWISE NOTED AND SHALL BE MAINTAINED IN ACCORDANCE WITH WY D.E.P. OIL AND GAS BLM MANUAL ENTRANCES AT COUNTY STATE ROADS SHALL BE MAINTAINED IN ACCORDANCE WITH WY 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 WY D.E.P. OIL AND GAS BLM 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).

1266 1-17-14

- EXISTING CULVERT
- PROPOSED CULVERT 15" MIN. UNLESS OTHERWISE NOTED
- PROPOSED STREAM CROSSING
- APPROXIMATE LIMITS OF DISTURBANCE

Not To Scale

TOPO SECTION OF ROSEMONT 7.5' USGS TOPO QUADRANGLE

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DRAWN BY: K.D.W. FILE NO.: 7754 DATE: 01/24/14 CADD FILE: 7754RCDPLANS.dwg