

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL

| | | | | | | |
|---|------------------|--|----------------|--|--------------|-----------------|
| 2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/> | | 1. WELL NAME and NUMBER Kettle #1-10-3-1 | | | | |
| 4. TYPE OF WELL Oil Well Coalbed Methane Well: NO | | 3. FIELD OR WILDCAT WILDCAT | | | | |
| 6. NAME OF OPERATOR HARVEST (US) HOLDINGS, INC | | 5. UNIT or COMMUNITIZATION AGREEMENT NAME | | | | |
| 8. ADDRESS OF OPERATOR 1177 Enclave Parkway, Houston, TX, 77077 | | 7. OPERATOR PHONE 281 899-5722 | | | | |
| 10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) Fee | | 9. OPERATOR E-MAIL jmckee@harvestnr.com | | | | |
| 11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> | | 12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> | | | | |
| 13. NAME OF SURFACE OWNER (if box 12 = 'fee') Michael and Mary Ellen Kettle | | 14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-725-3069 | | | | |
| 15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 1600 South State Street, Roosevelt, UT 84066 | | 16. SURFACE OWNER E-MAIL (if box 12 = 'fee') | | | | |
| 17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') | | 18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/> | | | | |
| 19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/> | | | | | | |
| 20. LOCATION OF WELL | FOOTAGES | QTR-QTR | SECTION | TOWNSHIP | RANGE | MERIDIAN |
| LOCATION AT SURFACE | 981 FSL 2141 FEL | SWSE | 10 | 3.0 S | 1.0 W | U |
| Top of Uppermost Producing Zone | 981 FSL 2141 FEL | SWSE | 10 | 3.0 S | 1.0 W | U |
| At Total Depth | 981 FSL 2141 FEL | SWSE | 10 | 3.0 S | 1.0 W | U |
| 21. COUNTY DUCHESNE | | 22. DISTANCE TO NEAREST LEASE LINE (Feet) 981 | | 23. NUMBER OF ACRES IN DRILLING UNIT 160 | | |
| | | 25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 0 | | 26. PROPOSED DEPTH MD: 11000 TVD: 11000 | | |
| 27. ELEVATION - GROUND LEVEL 5040 | | 28. BOND NUMBER B004657 | | 29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Neil Moon Pond | | |

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

| | |
|---|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE) | <input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER |
| <input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED) | <input checked="" type="checkbox"/> TOPOGRAPHICAL MAP |

| | | |
|--|---|--------------------------------|
| NAME Don Hamilton | TITLE Permitting Agent (Buys & Associates, Inc) | PHONE 435 719-2018 |
| SIGNATURE | DATE 06/08/2010 | EMAIL starpoint@etv.net |
| API NUMBER ASSIGNED 43013503960000 | APPROVAL  Permit Manager | |

Proposed Hole, Casing, and Cement

| String | Hole Size | Casing Size | Top (MD) | Bottom (MD) | | |
|---------------|------------------|--------------------|-----------------|--------------------|--|--|
| Cond | 17.5 | 13.375 | 0 | 300 | | |
| Pipe | Grade | Length | Weight | | | |
| | Grade H-40 ST&C | 300 | 48.0 | | | |
| | | | | | | |

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| Proposed Hole, Casing, and Cement | | | | | | |
|--|------------------|--------------------|-----------------|--------------------|--|--|
| String | Hole Size | Casing Size | Top (MD) | Bottom (MD) | | |
| Prod | 8.5 | 5.5 | 0 | 10500 | | |
| Pipe | Grade | Length | Weight | | | |
| | Grade P-110 LT&C | 11000 | 23.0 | | | |
| | | | | | | |

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Proposed Hole, Casing, and Cement

| String | Hole Size | Casing Size | Top (MD) | Bottom (MD) | | |
|---------------|------------------|--------------------|-----------------|--------------------|--|--|
| Surf | 12.25 | 9.625 | 0 | 3000 | | |
| Pipe | Grade | Length | Weight | | | |
| | Grade J-55 LT&C | 3000 | 36.0 | | | |
| | | | | | | |

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HARVEST (US) HOLDINGS, INC.

KETTLE #1-10-3-1

LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 10, T3S, R1W, U.S.B.&M.

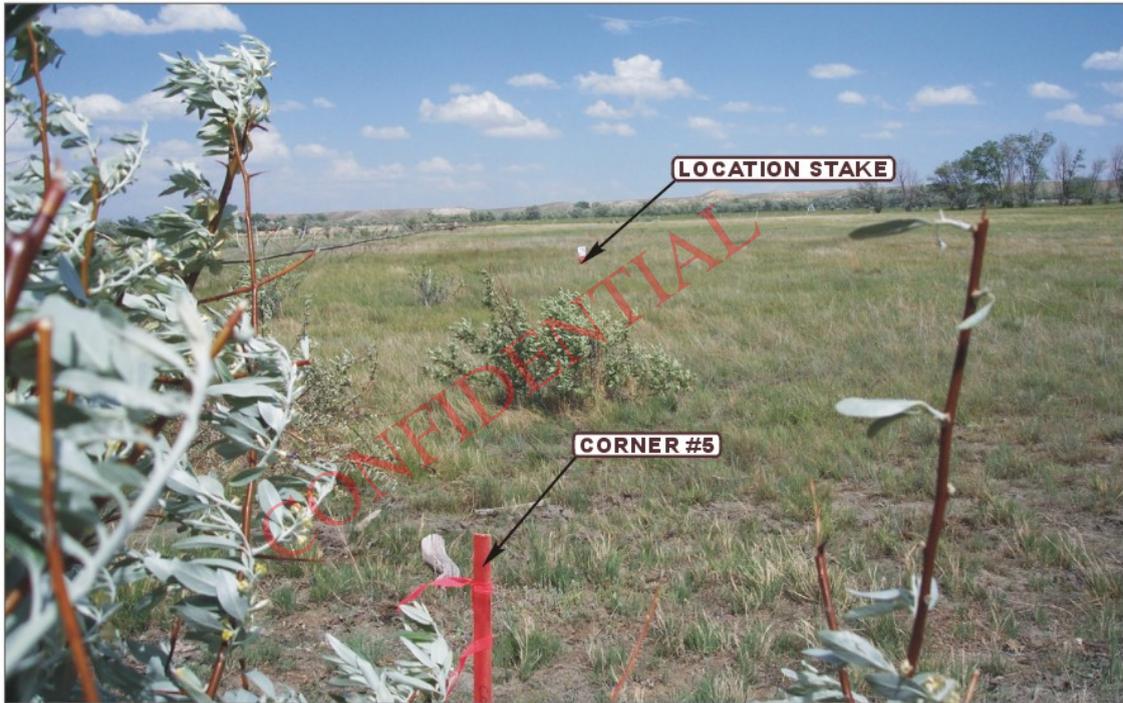


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: EASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

| | | | | |
|------------------------|------------------|--------------------|-----------|--------------|
| LOCATION PHOTOS | 05 | 26 | 10 | PHOTO |
| | MONTH | DAY | YEAR | |
| TAKEN BY: M.A. | DRAWN BY: J.L.G. | REV: J.H. 06-21-10 | | |

HARVEST (US) HOLDINGS, INC.

TYPICAL RIG LAYOUT FOR

KETTLE #1-10-3-1

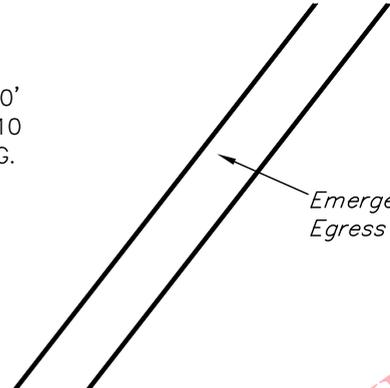
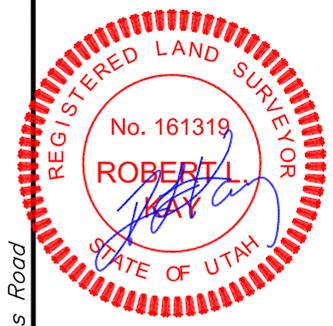
SECTION 10, T3S, R1W, U.S.B.&M.

981' FSL 2141' FEL

FIGURE #3

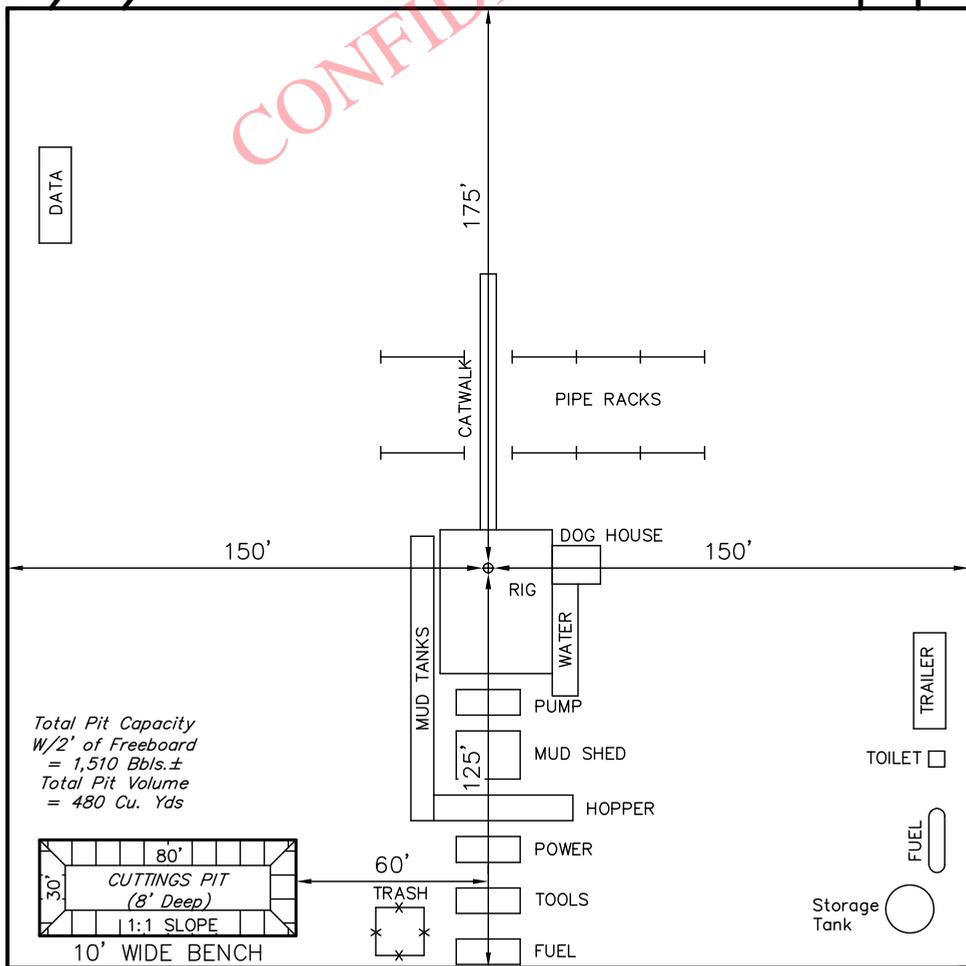


SCALE: 1" = 60'
DATE: 06-22-10
DRAWN BY: K.G.



Proposed
Access Road

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HARVEST (US) HOLDINGS, INC.

PRODUCTION FACILITY LAYOUT FOR

KETTLE #1-10-3-1

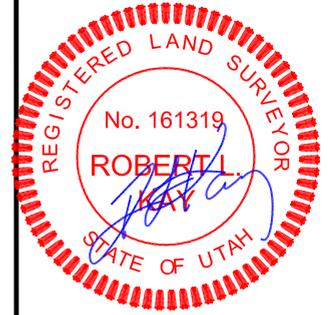
SECTION 10, T3S, R1W, U.S.B.&M.

981' FSL 2141' FEL

FIGURE #4



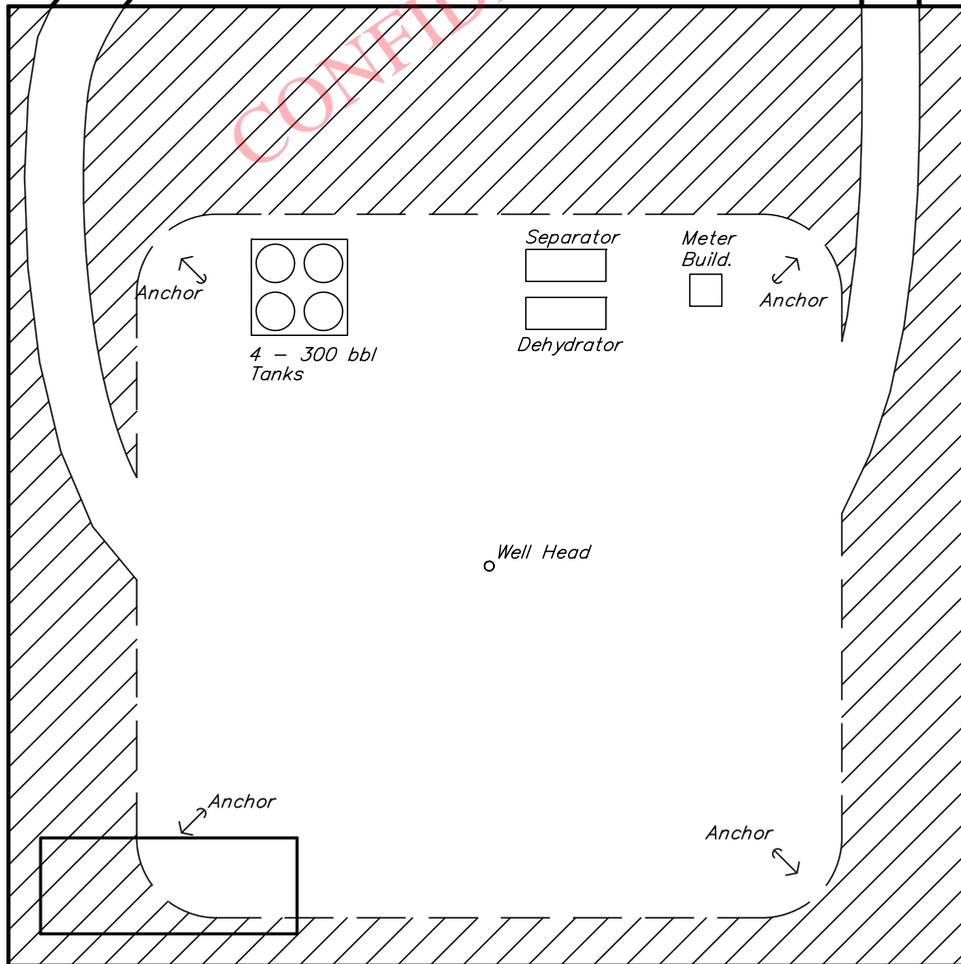
SCALE: 1" = 60'
DATE: 06-22-10
DRAWN BY: K.G.



Emergency Egress Road

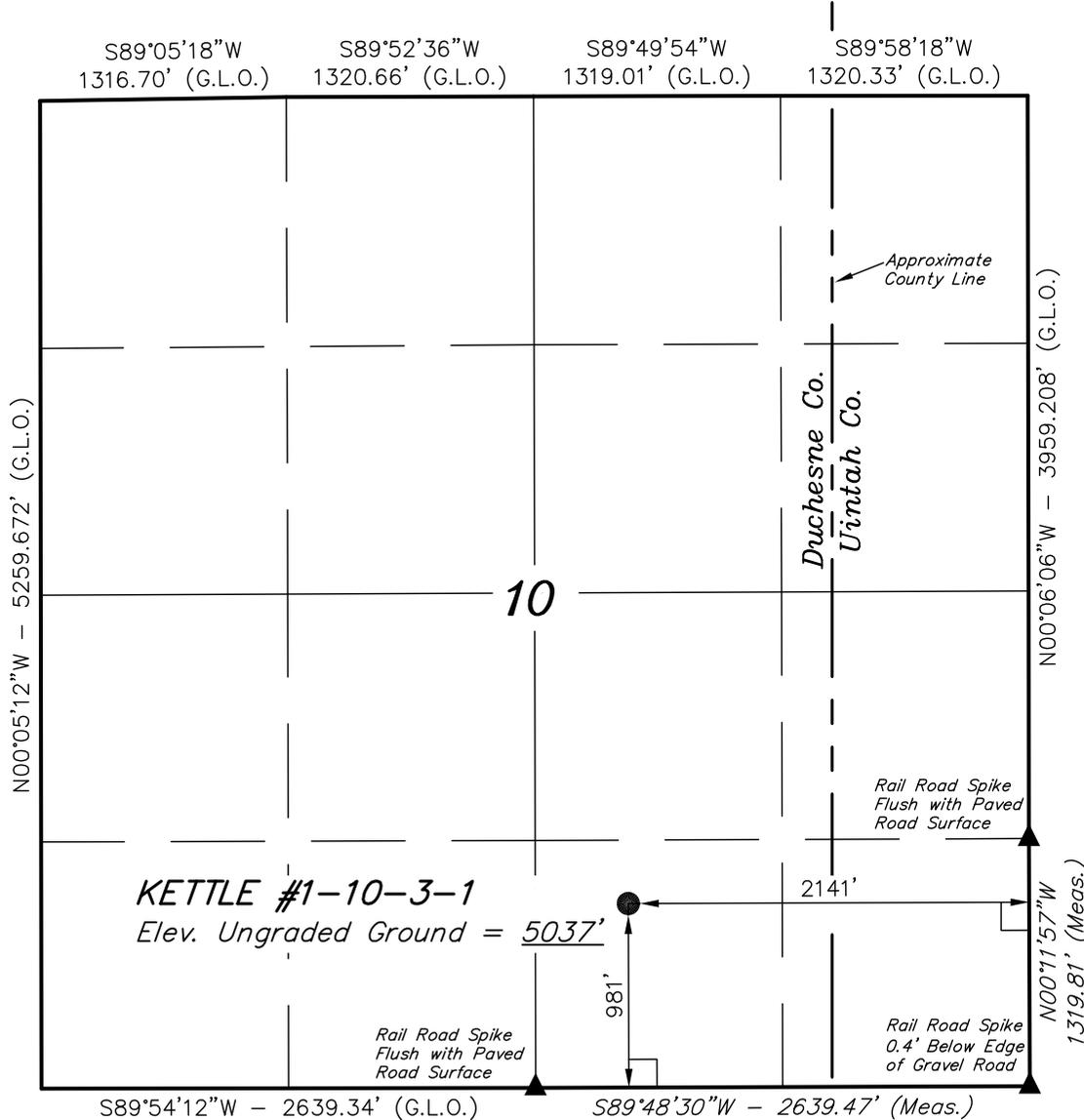
Access Road

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 RE-HABBED AREA

T3S, R1W, U.S.B.&M.



HARVEST (US) HOLDINGS, INC.

Well location, KETTLE #1-10-3-1, located as shown in the SW 1/4 SE 1/4 of Section 10, T3S, R1W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

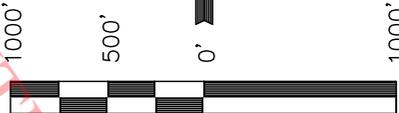
SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

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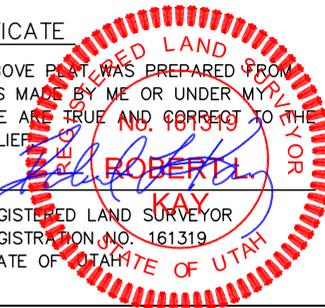




SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



ROBERT L. KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 40°13'56.89" (40.232469)
 LONGITUDE = 109°58'49.64" (109.980456)

(NAD 27)

LATITUDE = 40°13'57.03" (40.232508)
 LONGITUDE = 109°58'47.11" (109.979753)

Revised: 06-22-10

| | | |
|--|-------------------------------------|-------------------------|
| UINTAH ENGINEERING & LAND SURVEYING | | |
| 85 SOUTH 200 EAST - VERNAL, UTAH 84078 | | |
| (435) 789-1017 | | |
| SCALE 1" = 1000' | DATE SURVEYED: 05-21-10 | DATE DRAWN: 05-28-10 |
| PARTY M.A. C.H. K.G. | REFERENCES G.L.O. PLAT | |
| WEATHER WARM | FILE HARVEST (US) HOLDINGS, INC. | |

CONFIDENTIAL STATUS

HARVEST (US) HOLDINGS, INC.

Kettle #1- 10-3-1
 Section 10-T3S-R1W
 Uintah County, Utah

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

| | | | |
|---------------|---------|---|---------|
| UINTAH | 0' | - | 4,843' |
| GREEN RIVER | 4,843' | - | 6,322' |
| UTELAND BUTTE | 8,510' | - | 8,993' |
| WASATCH | 8,993' | - | 10,500' |
| TD | 11,000' | | |

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS

Wasatch (Oil & Gas) 8,993' – 10,500'

Fresh water may be encountered in the Uintah Formation, but would not be expected below about 500'.

4. PROPOSED CASING PROGRAM

a. Casing Design:

| Size | Interval | | Wt | Grade | Coupling | Design Factors | | |
|--|----------|---------|------------|-------|----------|--------------------------|--------------------------|-------------------------|
| | Top | Bottom | | | | Burst | Collapse | Tension |
| Conductor 20" Hole size 26" | 0' | 80' | 0.25 WT | X-42 | A53B | N/A | N/A | N/A |
| Surface 13 3/8" Hole Size 17 1/2" | 0' | 300' | 48.0 | H-40 | STC | 1,730 psi 13.33 SF | 740 psi 5.70 SF | 322,000 lbf 25.47 SF |
| Intermediate 9 5/8" Hole Size 12 1/4" | 0' | 3,000' | 36 | J-55 | LTC | 3,520 psi 1.88 SF | 2,020 psi 1.44 SF | 453,000 lbf 4.84 SF |
| Production 5 1/2" Hole Size 8 1/2" | 0' | 10,500' | 23 | P-110 | LTC | 13,580 psi 1.26 SF | 14,540 psi 2.10 SF | 643,000 lbf 3.38 SF |

Assumptions:

- 1) Surface casing Maximum Allowable Surface Pressure (MASP) = Fracture gradient - Gas gradient
- 2) Production casing MASP (production mode) = Pore pressure - gas gradient
- 3) All collapse calculations assume fully evacuated casing w/gas gradient
- 4) All tension calculations assume air weight
 - Fracture gradient at surface casing shoe = 12.0 ppg
 - Pore pressure at surface casing shoe = 8.33 ppg

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Pore pressure at production casing shoe = 11.5 ppg
 Gas gradient = 0.115 psi/ft
 Frac gradient = 0.93 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.

b. Cementing Design:

| Job | Fill | Description | Sacks | OH Excess | Weight (ppg) | Yield (ft ³ /sk) |
|---------------------------------|------------------|--|-----------------|-----------|--------------|-----------------------------|
| | | | ft ³ | | | |
| Conductor casing 20" | 80' to surface | Class G w/ 2% CaCl | 135 | 50% | 15.8 | 1.15 |
| | | | 155 | | | |
| Surface casing 13 3/8" | 300' to surface | Premium G w/ 2% CaCl, ¼ lb/sk Flocele | 300 | 50% | 15.8 | 1.15 |
| | | | 345 | | | |
| Intermediate casing 9 5/8" Lead | 2500' to 500' | Premium Type V w/ 16% gel, 10 lbs/sk gilsonite, 3% salt, 3 lbs/sk GR 3, ¼ lb/sk Flocele | 300 | 40% | 11.0 | 3.82 |
| | | | 1146 | | | |
| Intermediate casing 9 5/8" Tail | 500' to surface | Premium G w/ 2% CaCl, ¼ lb/sk Flocele | 100 | 50% | 15.8 | 1.15 |
| | | | 115 | | | |
| Production casing 5 ½" Lead | 6000' to 1800' | Light Premium w/ 2% gel, 6 lbs/sk light weight additive, 0.125 lb/sk lost circulation additive | 610 | 30%* | 11.5 | 2.77 |
| | | | 1690 | | | |
| Production casing 5 ½" Tail | 1800' to surface | 50/50 Poz Premium w/ 2% expander, 0.3% fluid loss control, 0.3% retarder | 420 | 30%* | 14.3 | 1.29 |
| | | | 542 | | | |

- *Actual volume pumped will be 15% over the caliper log.
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours.
- Compressive strength of tail cement: 2500 psi @ 24 hours

Waiting on Cement (WOC): A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

The 9-5/8" surface casing shall, in all cases, be cemented back to surface. In the event that during the primary surface cementing operation, the cement does not circulate to surface, or if the cement level should fall back more than 8' from surface, then a remedial surface

CONFIDENTIAL STATUS

cementing operation shall be performed to ensure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200' above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable pre-flush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

5. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS

| <i>Depth</i> | <i>Type</i> | <i>Weight</i> | <i>Vis</i> | <i>API Fluid Loss</i> |
|----------------|-----------------------|---------------|------------|-----------------------|
| 0-80' | Water | 8.33 | N/A | N/A |
| 80-300' | Water/Gel Sweeps | 8.4-8.6 | 45-55 | N/C |
| 300'-3,000' | Gel w/ fluid loss ctl | 8.8-9.0 | 45-60 | 8-10 |
| 3,000'-11,000' | Water Base Mud | 9.0-11.5 | 45 | 2-3 |

From surface to 300' feet will be drilled with fresh water and gel sweeps. From 300'-3,000', when hole conditions dictate, a fresh water gel system will be utilized. From 3,000' to Total Depth (TD), a Water Base Mud will be used. This system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight at TD is 11.5 ppg.

6. AUXILIARY SAFETY EQUIPMENT TO BE USED

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

7. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

The Company's minimum specifications for pressure control equipment for a standard Green River/Wasatch well are as follows:

A 5000 psi WP hydraulic BOP stack consisting of a double ram preventer and 3000 psi WP annular preventer will be installed before drilling beneath 9 5/8" surface casing.

Connections – All components on the stack and choke and kill lines shall have either flanged, studded, clamp hub or equivalent proprietary connections except control line outlets and pressure gauges.

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Choke Manifold – The minimum equipment requirements are shown below. The choke manifold shall be located at least 5 feet from the BOP stack, outside the substructure.

Pressure Monitoring – A means of monitoring the inlet pressure of the choke manifold shall be provided. The capability to isolate this outlet shall be provided.

Drill String Control Devices – An upper and lower Kelly valve, drill string safety valve, including correct closing handle, and an inside BOP shall be provided. The safety valve and inside BOP shall have connections or crossovers to fit all tubulars with OD to allow adequate clearance for running in the hole. All drill string valves shall be rated to the required BOP working pressure.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 (BLM) for equipment and testing requirements, procedures, etc., for a 5000 psi system, and individual components shall be operable as designed.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Daily report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling.

8. TESTING, LOGGING AND CORING PROGRAMS

a. Logging Program:

QUAD COMBO – TLD/CNL/DSI/SP/GR TD – 3,000'

CBL: A cement bond log will be run from 7,800' to the cement top of the production casing, calculated to be ground level.

Note: The log types run may change at the discretion of the geologist.

b. Cores: As deemed necessary

c. Drill Stem Tests: No DSTs are planned in the Green River or Wasatch formations

Drill stem tests, if they are run, will adhere to the following requirements: Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the Authorized Officer (AO). However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the AO. Closed chamber DSTs may be performed day or night.

Some means of reverse circulation shall be provided in case of flow to the surface showing evidence of hydrocarbons.

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Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

If a DST is performed, all engines within 100 feet of the wellbore that are required to be operational during the test shall have spark arresters or water-cooled exhausts.

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9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE

Abnormal pressures and temperatures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottom hole pressure will be 0.598 psi/foot of depth.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

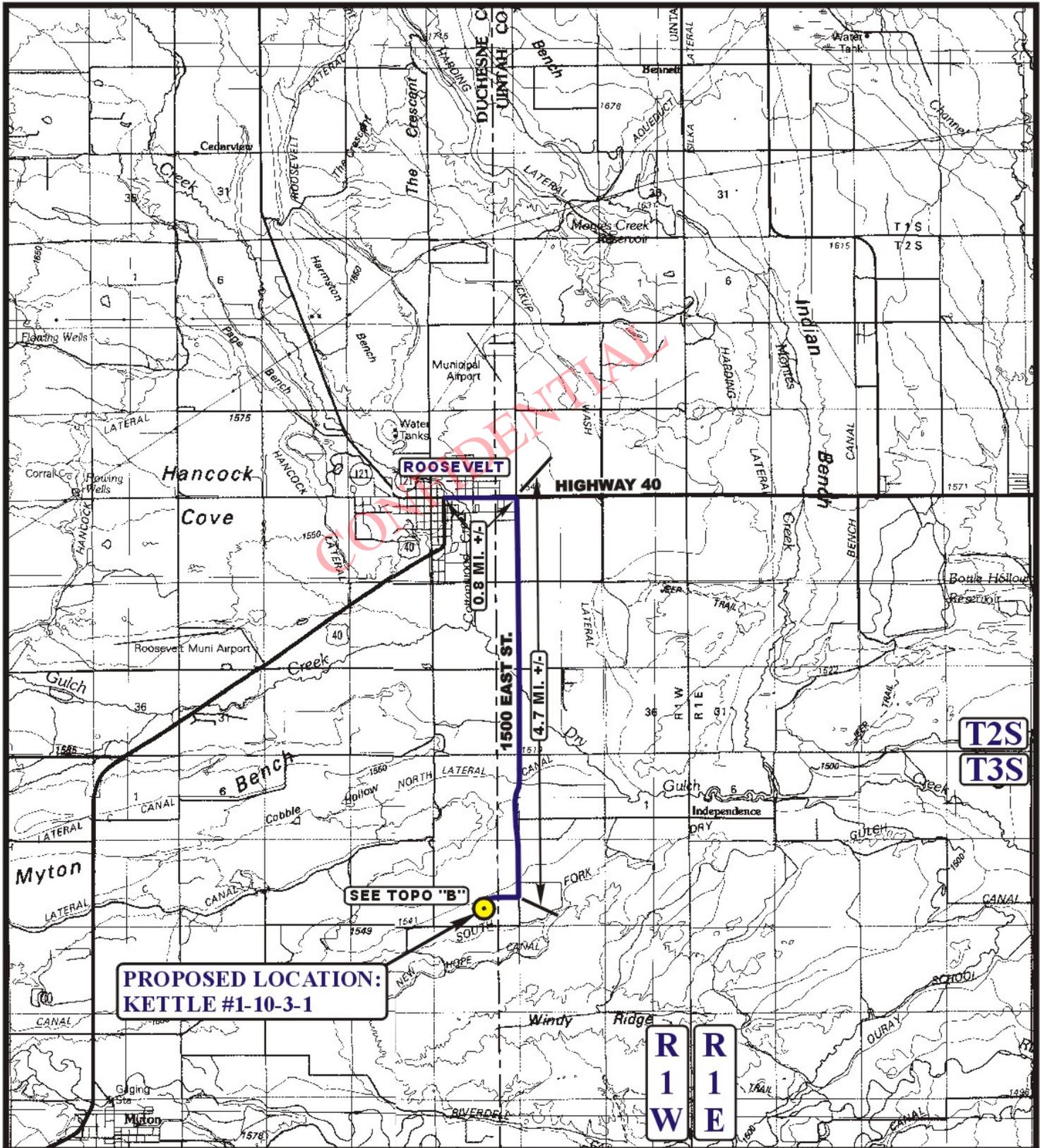
| | |
|--------------------------------|------------------|
| Anticipated Commencement Date: | 1 July 2010 |
| Drilling Days: | Approximately 40 |
| Completion Days: | Approximately 21 |

11. CONTACT INFORMATION:

Buys & Associates, Inc.
Don Hamilton/Regulatory Specialist
435-719-2018 Office
435-719-2019 Fax
435-650-1886 Cell
starpoint@etv.net

Please use the above mentioned contact for any questions or concerns regarding the Form 3 Application for Permit to Drill, Drilling Plan or scheduling the onsite inspection. If the above mentioned contact is not available you may reach the following person:

Harvest (US) Holding, Inc.
Bob Berry
Cosulting Drilling Manager
281-899-5776 Office
713-231-8319 Cell
bberry@harvestnr.com



**PROPOSED LOCATION:
KETTLE #1-10-3-1**

SEE TOPO "B"

1500 EAST ST.

HIGHWAY 40

ROOSEVELT

Hancock
Cove

Myton

T2S
T3S

R
1
W
R
1
E

LEGEND:

PROPOSED LOCATION

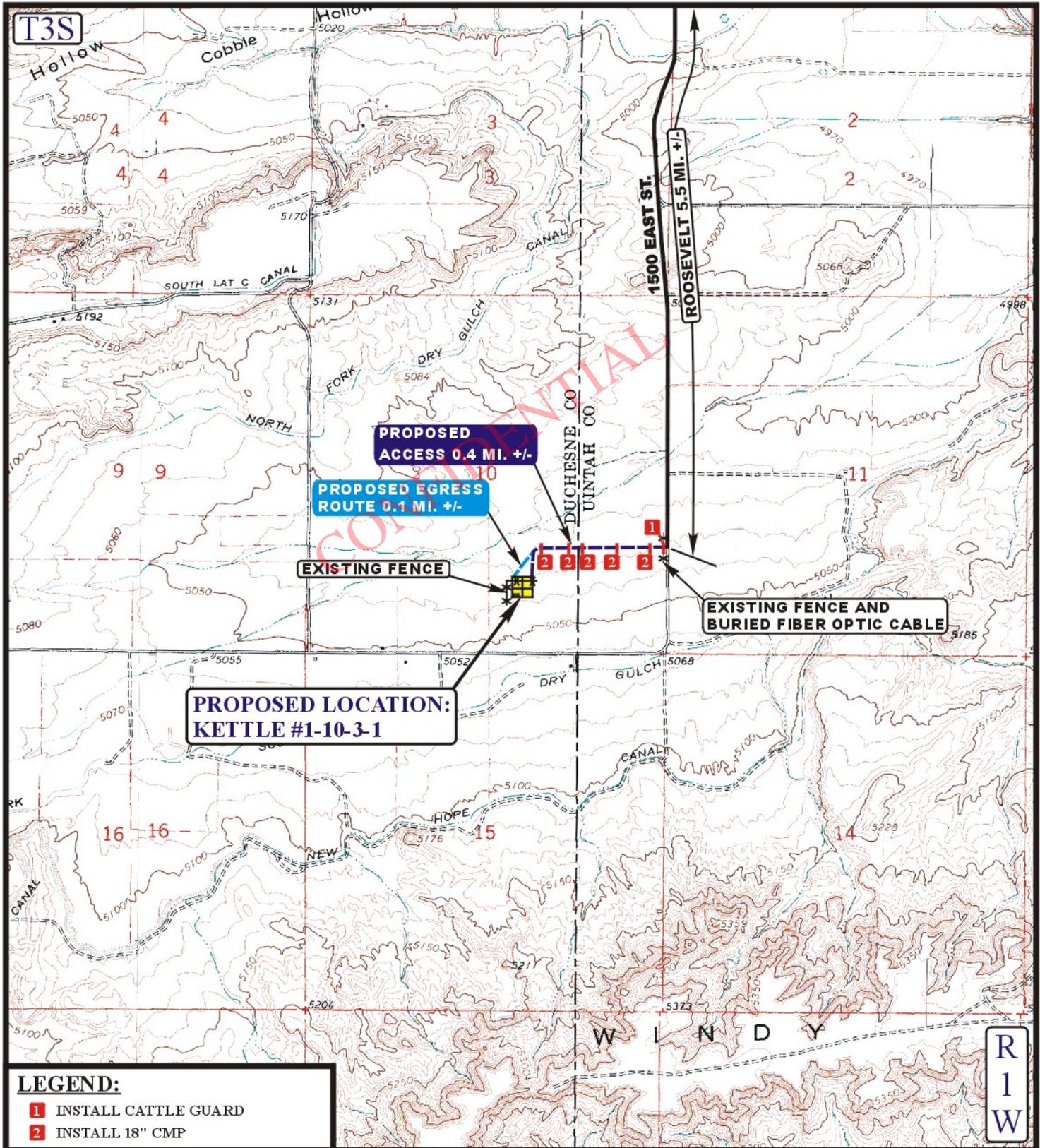


HARVEST (US) HOLDINGS, INC.

**KETTLE #1-10-3-1
SECTION 10, T3S, R1W, U.S.B.&M.
981' FSL 2141' FEL**

U&L S Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP **5 26 10**
MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: J.L.G. REV: J.H. 06-21-10 **TOPO**



LEGEND:

- 1** INSTALL CATTLE GUARD
- 2** INSTALL 18" CMP

LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- PROPOSED EGRESS ROUTE
- EXISTING FENCE

HARVEST (US) HOLDINGS, INC.

KETTLE #1-10-3-1
SECTION 10, T3S, R1W, U.S.B.&M.
981' FSL 2141' FEL



Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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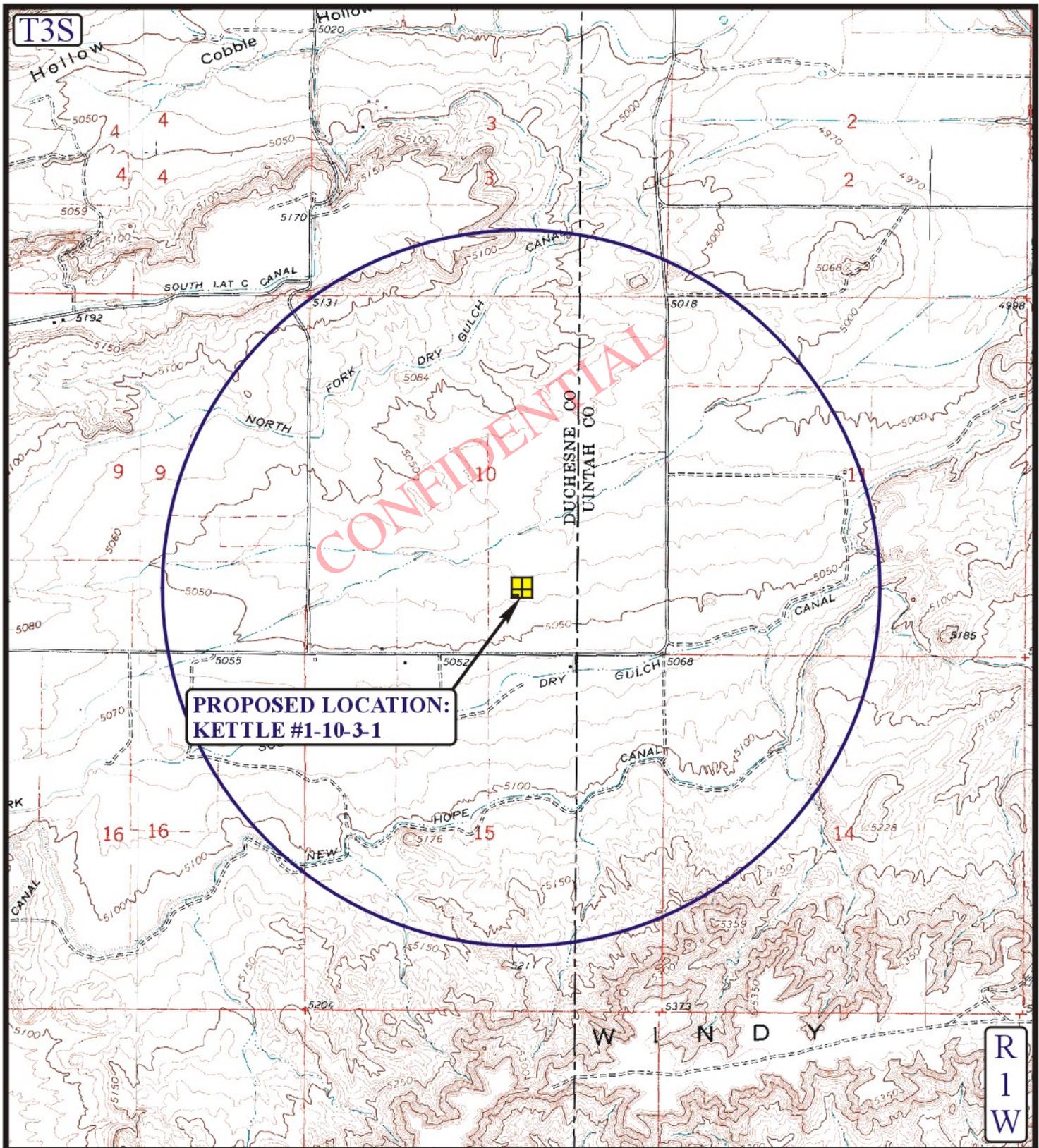
TOPOGRAPHIC
MAP

5 26 10
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REV: J.H. 06-21-10



R
1
W



**PROPOSED LOCATION:
KETTLE #1-10-3-1**

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LEGEND:

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⬮ SHUT IN WELLS
- ⊗ WATER WELLS
- ⬮ ABANDONED WELLS
- ⬮ TEMPORARILY ABANDONED

HARVEST (US) HOLDINGS, INC.

**KETTLE #1-10-3-1
SECTION 10, T3S, R1W, U.S.B.&M.
981' FSL 2141' FEL**



Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



**TOPOGRAPHIC
MAP**

5 26 10
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REV: J.H. 06-21-10





2580 Creekview Road
Moab, Utah 84532
435/719-2018

June 24, 2010

Mrs. Diana Mason
State of Utah
Division of Oil Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Request for Exception to Spacing – Harvest (US) Holdings, Inc. – **Kettle 1-10-3-1**
981' FSL & 2,141' FEL, SW/4 SE/4, Section 10, T3S, R1W, SLB&M
Duchesne County, Utah

Dear Diana:

Harvest (US) Holdings, Inc. respectfully submits this request for exception to spacing (R649-3-2) based on topography since the well is located less than 460' to the drilling unit boundary. Harvest (US) Holdings, Inc. is the only owner and operator within 460' of the surface and target location as well as all points along the intended well bore path and are not within 460 feet of any uncommitted tracts or a unit boundary.

Thank you very much for your timely consideration of this application. Please feel free to contact me at 435-719-2018 if you have any questions or need additional information.

Sincerely,

Don Hamilton
Don Hamilton
Agent for Harvest (US) Holdings, Inc.

cc: Gil S. Porter, CPL, Harvest (US) Holdings, Inc.
Bob B. Berry, PE, Harvest (US) Holdings, Inc.

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MEMORANDUM OF DAMAGE SETTLEMENT AND RELEASE

State of Utah)
)
County of Duchesne)

For Ten Dollars (\$10.00) and other adequate consideration, **Micheal Kettle and Mary Ellen Kettle, as joint tenants and not as tenants in common, of 1600 State Street, Roosevelt, UT 84066**, hereafter referred to as "Surface Owner" have granted, a Damage Settlement and Release, to **Harvest (US) Holdings, Inc. of 1177 Enclave Parkway, Suite 300, Houston, Texas 77077** hereafter referred to as "Harvest", dated **June 25, 2010** for the purpose of drilling, and producing oil, gas, and other minerals, building roads, tanks, power stations, telephone lines and other structures, and producing, saving, take care of, treating, transporting, and owning oil, gas, and other minerals, all on or from Oil & Gas Well on the following lands (the "Lands") in Duchesne County Utah:

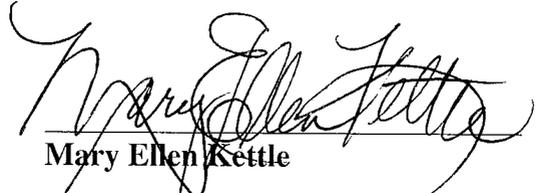
Section 10, Township 3 South-Range 1 West, USM, Duchesne County. See attached Plat for well location:

| <u>Well Name</u> | <u>Location</u> |
|------------------|-----------------|
| Kettle 1-10-3-1 | SW/4SE/4 |

The Damage Settlement and Release is effective as long thereafter as oil, gas, or other minerals are produced from the Lands, according to and by the terms and provisions of the Lease(s) covering said Lands. This Memorandum is placed of record for the purpose of giving notice of the Damage Settlement and Release.

SURFACE OWNER:


Micheal Kettle


Mary Ellen Kettle

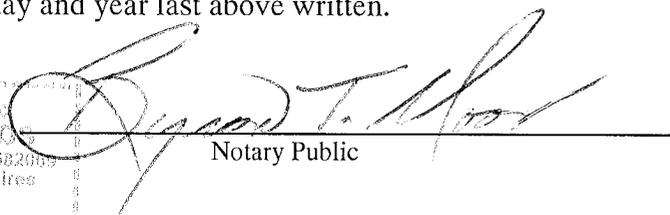
CONFIDENTIAL

ACKNOWLEDGEMENT

STATE OF UTAH }
 } SS
COUNTY OF DUCHESNE }

BEFORE me, the undersigned, a Notary Public in and fore said County and State, on this 25th day of June, 2010, personally appeared **Micheal Kettle and Mary Ellen Kettle, as joint tenants**, both to me known to be the identical person(s) who executed the within and foregoing instrument, and acknowledged to me that they executed the same as a free and voluntary act and deed, for the uses and purposes therein set forth.

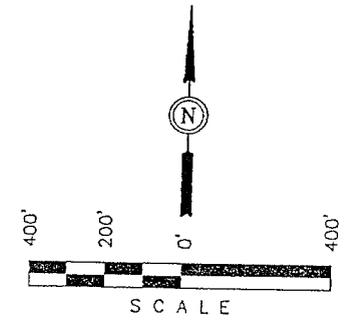
Given under my hand and seal the day and year last above written.

 
Notary Public
BYRON T. MOORE
Commission Number: 582055
My Commission Expires
March 22, 2014
State of Utah
Notary Public

HARVEST (US) HOLDINGS, INC.
**LOCATION SURFACE USE AREA
 & ROAD RIGHT-OF-WAY ON
 FEE LANDS**

(For KETTLE #1-10-3-1)

LOCATED IN
 SECTION 10, T3S, R1W, U.S.B.&M.,
 UINTAH & DUCHESNE COUNTY, UTAH



SCALE

BASIS OF BEARINGS
 BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

| RIGHT-OF-WAY LENGTHS | | | |
|---|----------|-------|--------|
| PROPERTY OWNER | FEET | ACRES | RODS |
| MICHEAL & MARY ELLEN KETTLE (ACCESS ROAD) | 2,332.65 | 1.607 | 141.37 |
| MICHEAL & MARY ELLEN KETTLE (EMERGENCY EGRESS ROAD) | 446.15 | 0.307 | 27.04 |

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
 No. 161319
 STATE OF UTAH

Revised: 06-22-10
 Revised: 06-04-10

| | |
|--|---------------------------|
| UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH - 200 EAST • (435) 789-1017 VERNAL, UTAH - 84078 | |
| SCALE 1" = 400' | DATE 05-28-10 |
| PARTY M.A. C.H. K.G. | REFERENCES G.L.O. PLAT |
| WEATHER WARM | FILE 4 9 7 8 9 |

NW 1/4

**EMERGENCY EGRESS ROAD
 RIGHT-OF-WAY DESCRIPTION**

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 SE 1/4 OF SECTION 10, T3S, R1W, U.S.B.&M. WHICH BEARS N26°03'05"E 1756.76' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 10, THENCE S38°10'50"W 151.26'; THENCE S38°06'59"W 150.24'; THENCE S38°07'28"W 144.65' TO A POINT IN THE SW 1/4 SE 1/4 OF SAID SECTION 10 WHICH BEARS N18°16'17"E 1245.52' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 10. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.307 ACRES MORE OR LESS.

NE 1/4

ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 SE 1/4 OF SECTION 10, T3S, R1W, U.S.B.&M. WHICH BEARS N01°21'18"W 255.94' FROM THE SOUTHEAST CORNER OF THE NE 1/4 SE 1/4 OF SAID SECTION 10, THENCE S89°48'00"W 1254.97'; THENCE S89°49'30"W 602.33'; THENCE S67°03'30"W 114.56'; THENCE S22°39'35"W 112.35'; THENCE S00°16'35"W 248.45' TO A POINT IN THE SW 1/4 SE 1/4 OF SAID SECTION 10 WHICH BEARS N27°44'51"E 1335.01' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 10. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.607 ACRES MORE OR LESS.

Sec. 10

| LINE TABLE | | |
|------------|-------------|----------|
| LINE | DIRECTION | LENGTH |
| L1 | S89°48'00"W | 1254.97' |
| L2 | S89°49'30"W | 602.33' |
| L3 | S67°03'30"W | 114.56' |
| L4 | S22°39'35"W | 112.35' |
| L5 | S00°16'35"W | 248.45' |
| L6 | S38°10'50"W | 151.26' |
| L7 | S38°06'59"W | 150.24' |
| L8 | S38°07'28"W | 144.65' |
| L9 | S89°41'44"E | 49.61' |
| L10 | S00°18'16"W | 350.00' |
| L11 | N89°41'44"W | 335.31' |
| L12 | N00°21'15"E | 350.00' |
| L13 | S89°41'44"E | 54.34' |
| L14 | S89°41'44"E | 231.06' |

BEGINNING OF EMERGENCY EGRESS ROAD RIGHT-OF-WAY STA. 0+00 (At Access Road P.I. 19+71.85)

BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY STA. 0+00 (At Edge of Road)

END OF EMERGENCY EGRESS ROAD RIGHT-OF-WAY STA. 4+46.15 (At Edge of Surface Use Area)

END OF PROPOSED ROAD RIGHT-OF-WAY STA. 23+32.65 (At Edge of Surface Use Area)

SURFACE USE AREA KETTLE #1-10-3-1
 Contains 2.693 Acres

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SW 1/4 SE 1/4 OF SECTION 10, T3S, R1W, U.S.B.&M. WHICH BEARS N27°44'51"E 1335.01' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 10, THENCE S89°41'44"E 49.61'; THENCE S00°18'16"W 350.00'; THENCE N89°41'44"W 335.31'; THENCE N00°21'15"E 350.00'; THENCE S89°41'44"E 54.34'; THENCE S89°41'44"E 231.06' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.693 ACRES MORE OR LESS.

Rail Road Spike, Flush with Paved Road Surface

Rail Road Spike, 0.4' Below Edge of Gravel Road

▲ = SECTION CORNERS LOCATED.

S89°54'12"W - 2639.34' (G.L.O.)

S89°48'30"W - 2639.47' (Meas.)

0007°06'28"W - 3959.208' (G.L.O.)

N0071°57'W - 1319.81' (Meas.)

1/4 Section Line

1/16 Section Line

Section Line

1/4 Section Line

Approximate County Line

1/16 Section Line

SE 1/4

Section Line

Duchesne Co. Uintah Co.

MICHEAL & MARY ELLEN KETTLE

MICHEAL & MARY ELLEN KETTLE

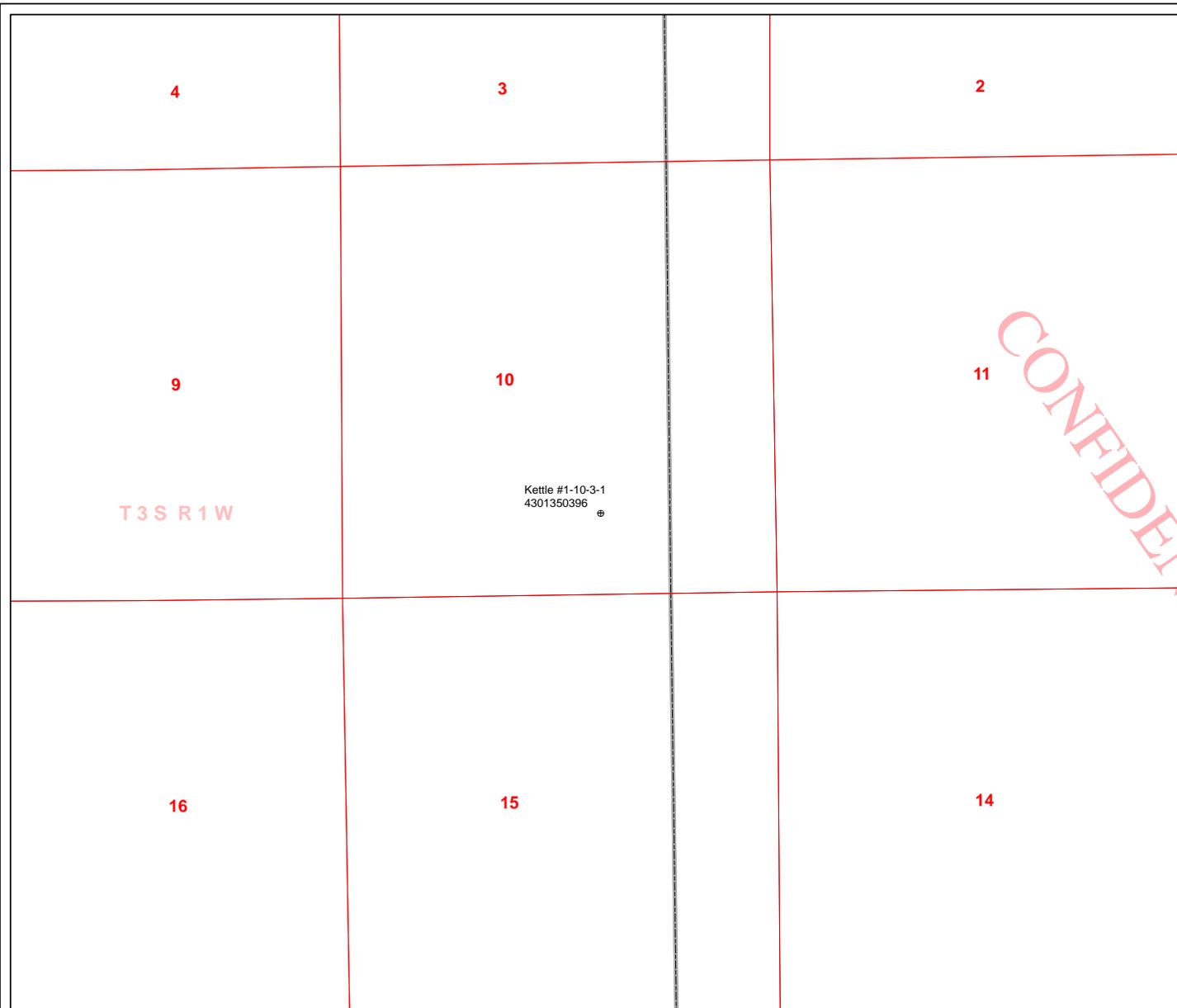
MICHEAL & MARY ELLEN KETTLE

Well

Existing Paved Road

Rail Road Spike, Flush with Paved Road Surface

CONFIDENTIAL

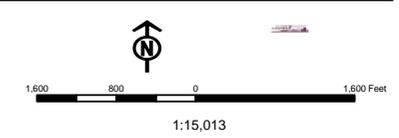


API Number: 4301350396
Well Name: Kettle #1-10-3-1
Township 03.0 S Range 01.0 W Section 10
Meridian: UBM
 Operator: HARVEST (US) HOLDINGS, INC

Map Prepared:
 Map Produced by Diana Mason

- | | |
|---------------|--------------------------------------|
| Units | Wells Query |
| STATUS | Status |
| ACTIVE | ✕ -all other values- |
| EXPLORATORY | ◆ APD - Approved Permit |
| GAS STORAGE | ⊙ DRL - Spudded (Drilling Commenced) |
| NF PP OIL | ⊙ GW - Gas Injection |
| NF SECONDARY | ⊙ GS - Gas Storage |
| PI OIL | ✕ LA - Location Abandoned |
| PP GAS | ⊕ LOC - New Location |
| PP GEOTHERML | ⊕ OPS - Operation Suspended |
| PP OIL | ⊕ PA - Plugged Abandoned |
| SECONDARY | ⊕ PGW - Producing Gas Well |
| TERMINATED | ⊕ POW - Producing Oil Well |
| Fields | ⊕ RET - Returned APD |
| Sections | ⊕ SGW - Shut-in Gas Well |
| Township | ⊕ SOW - Shut-in Oil Well |
| | ⊕ TA - Temp. Abandoned |
| | ⊕ TW - Test Well |
| | ⊕ WDW - Water Disposal |
| | ⊕ WW - Water Injection Well |
| | ⊕ WSW - Water Supply Well |

CONFIDENTIAL



| | | | | |
|--|--|-------|-------|--|
| Well Name | HARVEST (US) HOLDINGS, INC Kettle #1-10-3-1 43013503960000 | | | |
| String | Cond | Surf | Prod | |
| Casing Size(") | 13.375 | 9.625 | 5.500 | |
| Setting Depth (TVD) | 300 | 3000 | 10500 | |
| Previous Shoe Setting Depth (TVD) | 0 | 300 | 3000 | |
| Max Mud Weight (ppg) | 8.6 | 9.0 | 11.5 | |
| BOPE Proposed (psi) | 0 | 5000 | 5000 | |
| Casing Internal Yield (psi) | 1730 | 3520 | 13580 | |
| Operators Max Anticipated Pressure (psi) | 6578 | | 12.0 | |

| | | | |
|---|--|--------|--|
| Calculations | Cond String | 13.375 | " |
| Max BHP (psi) | .052*Setting Depth*MW= | 134 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 98 | NO |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 68 | NO |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 68 | NO OK |
| Required Casing/BOPE Test Pressure= | | 300 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 0 | psi *Assumes 1psi/ft frac gradient |

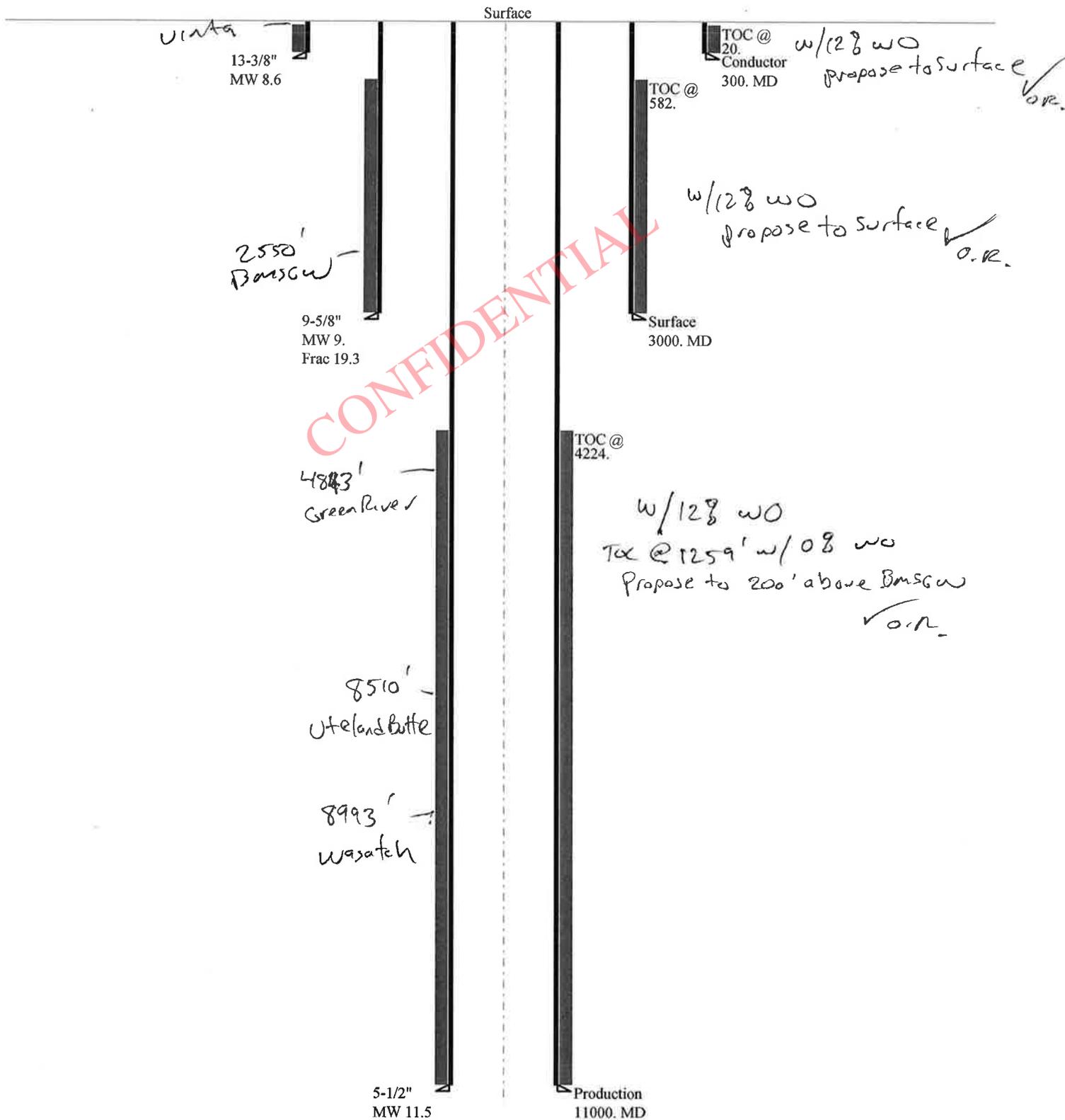
| | | | |
|---|--|-------|--|
| Calculations | Surf String | 9.625 | " |
| Max BHP (psi) | .052*Setting Depth*MW= | 1404 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 1044 | YES |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 744 | YES OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 810 | NO Reasonable |
| Required Casing/BOPE Test Pressure= | | 2464 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 300 | psi *Assumes 1psi/ft frac gradient |

| | | | |
|---|--|-------|--|
| Calculations | Prod String | 5.500 | " |
| Max BHP (psi) | .052*Setting Depth*MW= | 6279 | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | 5019 | NO |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | 3969 | YES OK |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | 4629 | NO Reasonable |
| Required Casing/BOPE Test Pressure= | | 5000 | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | 3000 | psi *Assumes 1psi/ft frac gradient |

| | | | |
|---|--|--|--|
| Calculations | String | | " |
| Max BHP (psi) | .052*Setting Depth*MW= | | |
| | | | BOPE Adequate For Drilling And Setting Casing at Depth? |
| MASP (Gas) (psi) | Max BHP-(0.12*Setting Depth)= | | NO |
| MASP (Gas/Mud) (psi) | Max BHP-(0.22*Setting Depth)= | | NO |
| | | | *Can Full Expected Pressure Be Held At Previous Shoe? |
| Pressure At Previous Shoe | Max BHP-.22*(Setting Depth - Previous Shoe Depth)= | | NO |
| Required Casing/BOPE Test Pressure= | | | psi |
| *Max Pressure Allowed @ Previous Casing Shoe= | | | psi *Assumes 1psi/ft frac gradient |

43013503960000 Kettle #1-10-3-1

Casing Schematic



| | | | |
|--------------|--|-------------|--------------|
| Well name: | 43013503960000 Kettle #1-10-3-1 | | |
| Operator: | HARVEST (US) HOLDINGS, INC | | |
| String type: | Conductor | Project ID: | 43-013-50396 |
| Location: | DUCHESNE COUNTY | | |

Design parameters:

Collapse

Mud weight: 8.600 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 78 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft
 Cement top: 20 ft

Burst

Max anticipated surface pressure: 98 psi
 Internal gradient: 0.120 psi/ft
 Calculated BHP 134 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.70 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Non-directional string.

Tension is based on air weight.
 Neutral point: 262 ft

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1 | 300 | 13.375 | 48.00 | H-40 | ST&C | 300 | 300 | 12.59 | 3719 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1 | 134 | 740 | 5.523 ✓ | 134 | 1730 | 12.91 ✓ | 14.4 | 322 | 22.37 J ✓ |

Prepared by: Dustin Doucet
 Div of Oil, Gas & Mining

Phone: 801 538-5281
 FAX: 801-359-3940

Date: July 13, 2010
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 300 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

| | | | |
|--------------|--|-------------|--------------|
| Well name: | 43013503960000 Kettle #1-10-3-1 | | |
| Operator: | HARVEST (US) HOLDINGS, INC | | |
| String type: | Surface | Project ID: | 43-013-50396 |
| Location: | DUCHESNE COUNTY | | |

Design parameters:

Collapse

Mud weight: 9.000 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 116 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft

Cement top: 582 ft

Burst

Max anticipated surface pressure: 2,340 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 3,000 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.70 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Tension is based on air weight.
 Neutral point: 2,600 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 11,000 ft
 Next mud weight: 11.500 ppg
 Next setting BHP: 6,571 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 3,000 ft
 Injection pressure: 3,000 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1 | 3000 | 9.625 | 36.00 | J-55 | LT&C | 3000 | 3000 | 8.796 | 24532 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1 | 1403 | 2020 | 1.440 ✓ | 3000 | 3520 | 1.17 ✓ | 108 | 453 | 4.19 J ✓ |

Prepared by: Dustin Doucet
 Div of Oil, Gas & Mining

Phone: 801 538-5281
 FAX: 801-359-3940

Date: July 13, 2010
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3000 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

| | | | |
|--------------|--|-------------|--------------|
| Well name: | 43013503960000 Kettle #1-10-3-1 | | |
| Operator: | HARVEST (US) HOLDINGS, INC | | |
| String type: | Production | Project ID: | 43-013-50396 |
| Location: | DUCHESNE COUNTY | | |

Design parameters:

Collapse

Mud weight: 11.500 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 74 °F
 Bottom hole temperature: 228 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 100 ft
 Cement top: 4,224 ft

Burst

Max anticipated surface pressure: 4,151 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 6,571 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.60 (B)

Non-directional string.

Tension is based on air weight.
 Neutral point: 9,106 ft

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1 | 11000 | 5.5 | 23.00 | P-110 | LT&C | 11000 | 11000 | 4.545 | 98083 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1 | 6571 | 14540 | 2.213 | 6571 | 13580 | 2.07 | 253 | 643 | 2.54 J |

Prepared by: Dustin Doucet
 Div of Oil, Gas & Mining

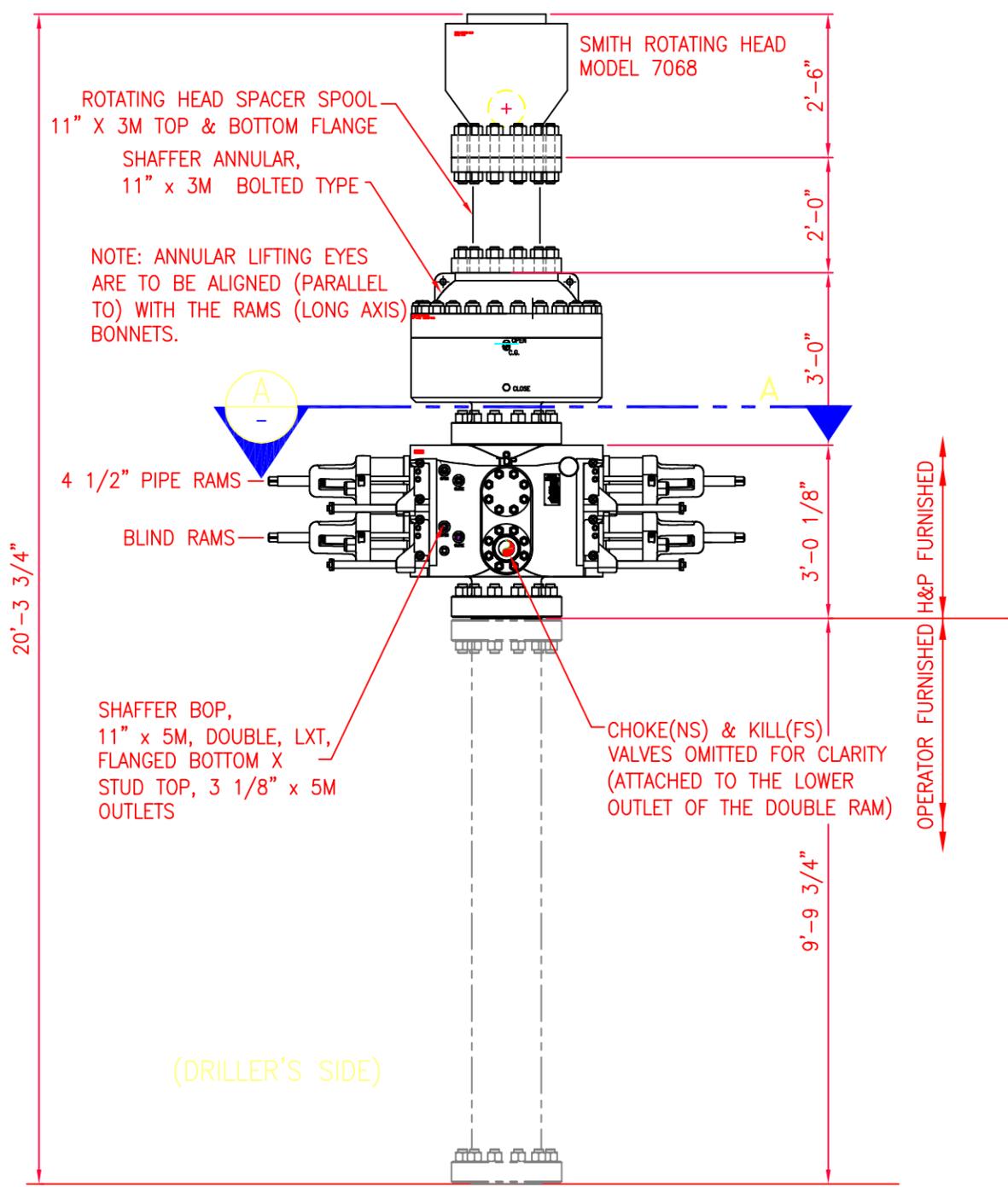
Phone: 801 538-5281
 FAX: 801-359-3940

Date: July 13, 2010
 Salt Lake City, Utah

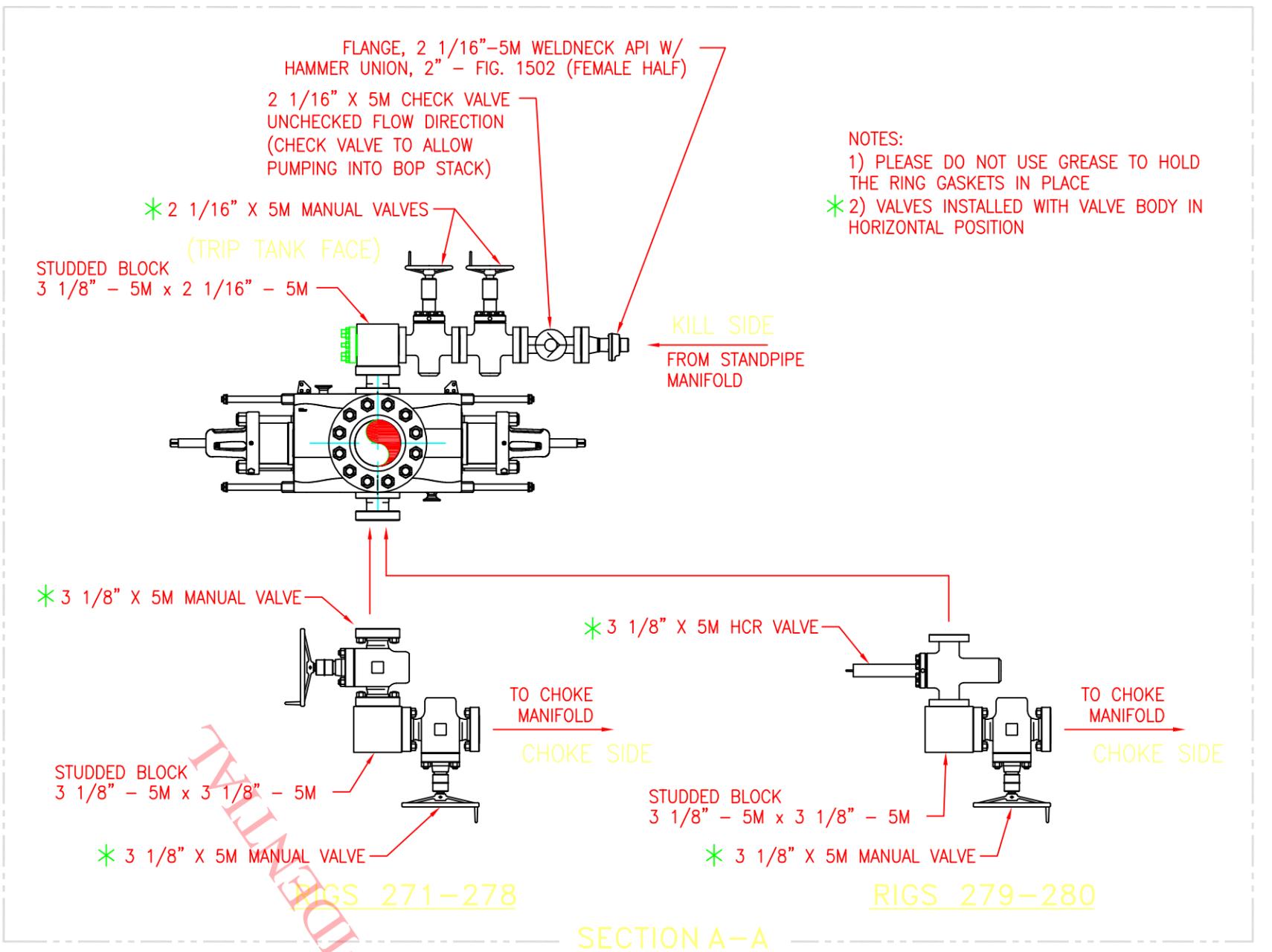
Remarks:

Collapse is based on a vertical depth of 11000 ft, a mud weight of 11.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.



**ELEVATION VIEW
(V-DOOR FACE)**



SECTION A-A

- NOTES:
- 1) PLEASE DO NOT USE GREASE TO HOLD THE RING GASKETS IN PLACE
 - * 2) VALVES INSTALLED WITH VALVE BODY IN HORIZONTAL POSITION

- NOTES:
- 1) TORQUE VALUES ARE FOR GREASED THREADS AND NUT FACES.
 - 2) FOR XYLAN AND SURMAGARD COATED BOLTS, USE CF=0.07; FOR ZINC AND UNCOATED BOLTS, USE CF=0.13

| COMPONENT | FLANGE SIZE & RATING | BOLT SIZE | TORQUE (FT/LBS) | |
|-------------------------|----------------------|-------------|-----------------|---------|
| | | | CF=0.07 | CF=0.13 |
| RAMS AND SPOOLS | 11"x5M | 1 7/8" DIA. | 1890 | 3330 |
| ROTATING HEAD & ANNULAR | 11"x3M | 1 3/8" DIA. | 739 | 1280 |
| CHOKES VALVES | 3 1/8x5M | 1 1/8" DIA. | 401 | 686 |
| KILL VALVES | 2 1/16x5M | 7/8" DIA. | 188 | 319 |

ISSUED FOR FABRICATION
April-26-2007
DRAFTSMAN _____
ENGINEER _____

BOP ARRANGEMENTS

| | |
|--------------------------|-------------------|
| WILLIAM'S RIGS 271 - 280 | SHTS 1 - 3 |
| BP RIGS 307 - 311 | SHTS 4 - 6 |
| ENCANA RIGS 288 & 289 | SHTS 7 - 9 |
| MARATHON RIGS 319 & 324 | SHTS 10, 11, & 12 |
| ALL OTHER F4S RIGS | SHTS 8, 9, & 10 |

**HELMERICH & PAYNE
INTERNATIONAL DRILLING CO.**

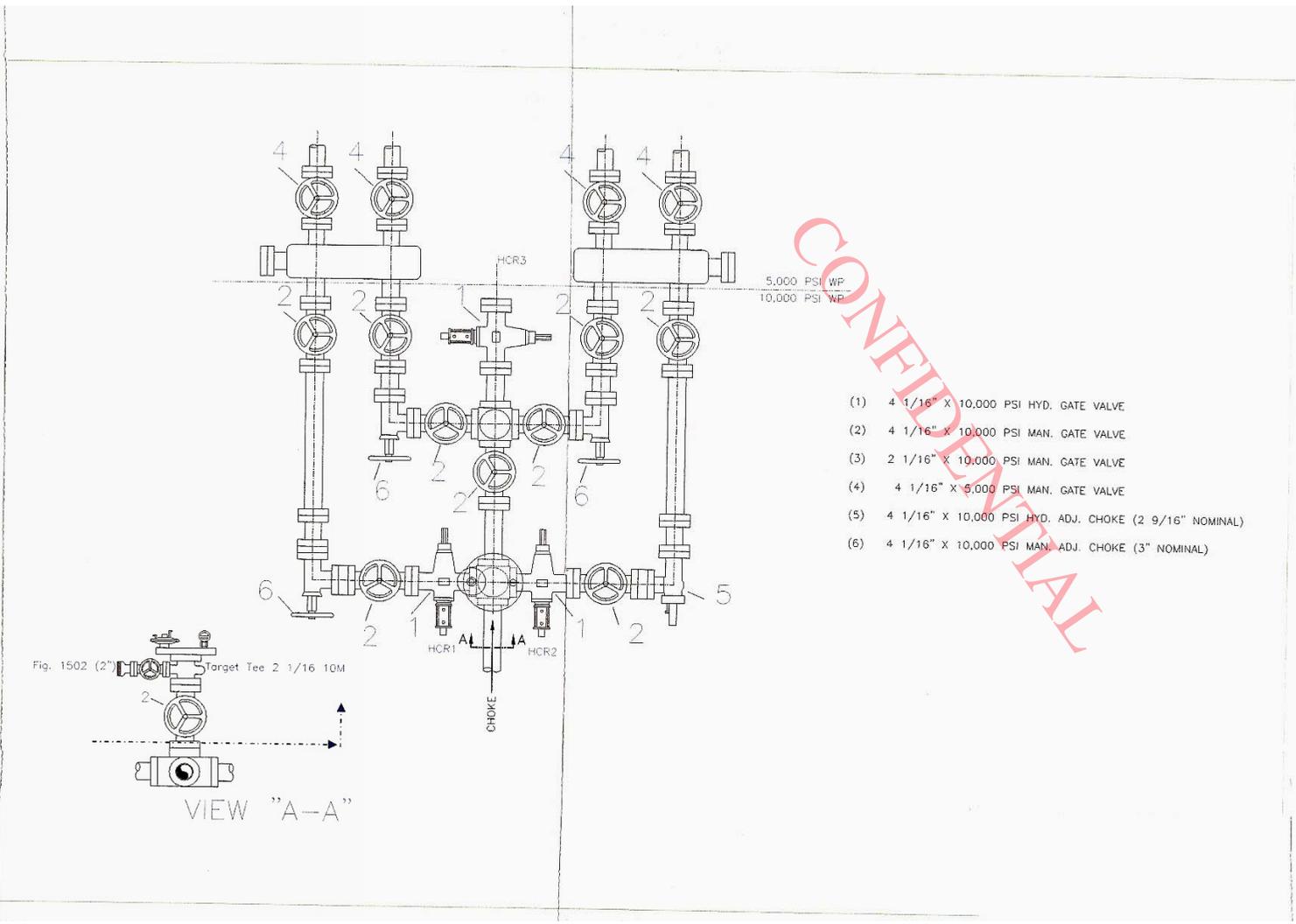
| REV | DATE | DESCRIPTION | BY | ENGINEERING APPROVAL | DATE | TITLE: |
|-----|----------|--|-----|----------------------|------|-------------------------|
| A | 09-18-06 | CHFD CUSTOMER TO WILLIAMS; ADDED SHTS 7-9; CORRECTED HEIGHT OF RAM | MWL | | | BOP ARRANGEMENT FOR F4S |
| B | 09-07-06 | CHFD CUSTOMER TO WILLIAMS PRODUCTION; ADDED SHEETS 2 THRU 6 | MWL | | | |
| H | 4-25-07 | ADDED MARATHON RIGS 314 & 324 AND PAGE NUMBERS REVISED | JBG | | | |
| G | 02-26-07 | ADDED NOTE & SHEET 10 | MWL | | | |
| F | 11/28/06 | ADDED CHOKES ARRANGEMENT FOR RIGS 279-280 | LT | | | |
| | | | | | | |

CUSTOMER: WILLIAMS PRODUCTION (RIGS 271 - 280)
PROJECT: F4S
DRAWN: BDB DATE: 11.30.05 DWG. NO.: F4S-H-203
SCALE: 3/4"=1'-0" SHEET: 1 OF 12

PROPRIETARY
THIS DRAWING AND THE IDEAS AND INFORMATION INCLUDED IN THIS DRAWING ARE PROPRIETARY AND ARE NOT TO BE REPRODUCED, DISTRIBUTED OR DISCLOSED IN ANY MANNER, WITHOUT THE PRIOR, WRITTEN CONSENT OF, A DULY AUTHORIZED OFFICER OF HELMERICH & PAYNE INT'L DRILLING CO.

APIWellNo:43013503960000

CONFIDENTIAL STATUS



ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator HARVEST (US) HOLDINGS, INC
Well Name Kettle #1-10-3-1
API Number 43013503960000 **APD No** 2711 **Field/Unit** WILDCAT
Location: 1/4,1/4 SWSE **Sec** Tw 3.0S **Rng** 1.0W 981 FSL 2141 FEL
GPS Coord (UTM) **Surface Owner** Michael and Mary Ellen Kettle

Participants

Floyd Bartlett (DOGM), John Paul McKee, Bob Berry, James Osborn, Glenn Randal and Jeff Schrutker (Harvest Holdings), Zander McIntyre (6G Management Services), (Continued below)

Regional/Local Setting & Topography

Bryon Moos, Mitch Halswill, Bryan Reynolds (LandPro) and Micheal Kettle (Representing Surface Owners).

The general area is approximately 5.5 road miles southeast of Roosevelt, Duchesne County, Utah. The site is within the historic bottomlands formed by the Duchesne River and the secondary Dry Gulch drainage. Topography is broad bottomlands intermixed with or bordered by gentle to steep sloping side-hills. Much of the bottomlands are used for agriculture or sub-irrigated grazing lands. Access is by State, County and a planned oil field development road. Approximately 0.4 mile of new construction extending west from a Uintah County Road across Kettle's private land will be required to reach the location.

The proposed Kettle #1-10-3-1 oil well location is on property owned by Micheal and Mary Ellen Kettle, as joint tenants. Mr. Kettle attended the pre-site. The minerals are FEE owned by another party. Topography at the site is relatively flat with a gentle slope to the north. The area is well vegetated with riparian type species which indicate an elevated water table. Vegetation is dense as to form a sod over most of the area. It is anticipated that the water table is within 1-3 feet of the surface on the majority of the location area. The constructed pad size will be 400 feet x 400 feet. A French drain of varying depths utilizing a 6-inch drain pipe will be constructed around the exterior of the location, day-lighting beyond the northwest corner (Location Corner 6). Vegetation and topsoil will be left in place and covered with a layer of geo-cloth water barrier supported by a tensar woven net. A lift of pit run gravel 18 inches or deeper will cover the geo-cloth. A second moisture barrier layer will be placed about 12 inches below the finished surface. As needed road base gravel will be placed on the finished surface. A 1-foot high berm is planned around the exterior of the complete location. Upon well completion and during production, on location tanks will also be bermed. The area outside the anchors is planned to be re-claimed. The exterior of the location will be fenced. Existing fences are located immediately west of the site and one that runs thru the site from the east to the west. The later will be relocated to tie in with the fence to be constructed around the pad. .

Surface Use Plan

Current Surface Use

- Grazing
- Agricultural
- Wildlfe Habitat

| | | | |
|-----------------------|--------------------------------|---------------------------|--------------------------|
| New Road Miles | Well Pad | Src Const Material | Surface Formation |
| 0.4 | Width 400 Length 400 | Offsite | UNTA |

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands Y

High water table.

Flora / Fauna

The site is well vegetated with a sod like native pasture vegetation.

Cattle, deer, small mammals and birds.

Soil Type and Characteristics

Deep gravely sandy clay loam

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?**

CONFIDENTIAL

Reserve Pit

Site-Specific Factors

Site Ranking

| | | |
|--|--------------------|----|
| Distance to Groundwater (feet) | | 20 |
| Distance to Surface Water (feet) | | 20 |
| Dist. Nearest Municipal Well (ft) | >5280 | 0 |
| Distance to Other Wells (feet) | >1320 | 0 |
| Native Soil Type | Mod permeability | 10 |
| Fluid Type | Fresh Water | 5 |
| Drill Cuttings | Normal Rock | 0 |
| Annual Precipitation (inches) | | 0 |
| Affected Populations | | |
| Presence Nearby Utility Conduits | Not Present | 0 |
| | Final Score | 55 |

1 Sensitivity Level

Characteristics / Requirements

The well will be drilled using a closed loop mud circulating system. A 45' x 80' x 8' deep above surface cuttings containment is planned in the southeast corner of the location. It will have an 8' wide support dike around the outer edge and lined with a 20-mil liner. During drilling or upon well completion, the dry cuttings will be spread on the location. Mr. Kettle was acceptable to having the drilling cuttings disposed on the site.

Closed Loop Mud Required? Y **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?** N

Other Observations / Comments

Floyd Bartlett
Evaluator

6/29/2010
Date / Time

CONFIDENTIAL

Application for Permit to Drill Statement of Basis

7/13/2010

Utah Division of Oil, Gas and Mining

Page 1

| | | | | | |
|------------------|-------------------------------|---------------|--------------------------|-------------------------------|------------|
| APD No | API WellNo | Status | Well Type | Surf Owner | CBM |
| 2711 | 43013503960000 | LOCKED | OW | P | No |
| Operator | HARVEST (US) HOLDINGS, INC | | Surface Owner-APD | Michael and Mary Ellen Kettle | |
| Well Name | Kettle #1-10-3-1 | | Unit | | |
| Field | WILDCAT | | Type of Work | DRILL | |
| Location | SWSE 3S 1W U 981 FSL 2141 FEL | | GPS Coord (UTM) | 586790E 4453851N | |

Geologic Statement of Basis

Harvest proposes to set 300' of conductor and 3,000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,550'. A search of Division of Water Rights records shows 5 water wells within a 10,000 foot radius of the center of Section 10. All wells are privately owned. Depth is listed as ranging from 30 to 300 feet. Median depth is 38 feet. Water use is listed as irrigation, stock watering, and domestic use. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect usable ground water in the area.

Brad Hill
APD Evaluator

7/6/2010
Date / Time

Surface Statement of Basis

The general area is approximately 5.5 road miles southeast of Roosevelt, Duchesne County, Utah. The site is within the historic bottomlands formed by the Duchesne River and the secondary Dry Gulch drainage. Topography is broad bottomlands intermixed with or bordered by gentle to steep sloping side-hills. Much of the bottomlands are used for agriculture or sub-irrigated grazing lands. Access is by State, County and a planned oil field development road. Approximately 0.4 mile of new construction extending west from a Uintah County Road across Kettle's private land will be required to reach the location.

The proposed Kettle #1-10-3-1 oil well location is on property owned by Micheal and Mary Ellen Kettle, as joint tenants. Mr. Kettle attended the pre-site. The minerals are FEE owned by another party. Topography at the site is relatively flat with a gentle slope to the north. The area is well vegetated with riparian type species which indicate an elevated water table. Vegetation is dense as to form a sod over most of the area. It is anticipated that the water table is within 1-3 feet of the surface on the majority of the location area. The constructed pad size will be 400 feet x 400 feet. A French drain of varying depths utilizing a 6-inch drain pipe will be constructed around the exterior of the location, day-lighting beyond the northwest corner (Location Corner 6). Vegetation and topsoil will be left in place and covered with a layer of geo-cloth water barrier supported by a tensar woven net. A lift of pit run gravel 18 inches or deeper will cover the geo-cloth. A second moisture barrier layer will be placed about 12 inches below the finished surface. As needed road base gravel will be placed on the finished surface. A 1-foot high berm is planned around the exterior of the complete location. Upon well completion and during production, on location tanks will also be bermed. The area outside the anchors is planned to be re-claimed. The exterior of the location will be fenced. Existing fences are located immediately west of the site and one that runs thru the site from the east to the west. The later will be relocated to tie in with the fence to be constructed around the pad. .

The site was originally visited for a pre-site review on June 16, 2010. At that time it was agreed to have it moved to the north to avoid the outer edge of a field irrigated with a pivot sprinkler. It was resurveyed and moved to the north about 125 feet. Mr. Kettle favored this move. The location is north of the normal drilling

Application for Permit to Drill

Statement of Basis

7/13/2010

Utah Division of Oil, Gas and MiningPage 2

window.

The well will be drilled using a closed loop mud circulating system. A 45' x 80' x 8' deep above surface cuttings containment is planned in the southeast corner of the location. It will have an 8' wide support dike around the outer edge and lined with a 20-mil liner. During drilling or upon well completion, the dry cuttings will be spread on the location. Mr. Kettle was acceptable to having the drilling cuttings disposed on the site.

The location with the planned construction specifications should be stable and suitable for drilling and operating the proposed well.

Floyd Bartlett
Onsite Evaluator

6/29/2010
Date / Time

Conditions of Approval / Application for Permit to Drill

| Category | Condition |
|-----------------|--|
| Pits | A synthetic liner with a minimum thickness of 20mils shall be properly installed and maintained in the drill cuttings containment. |
| Surface | The well site shall be bermed to prevent fluids from leaving the pad. |

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 6/8/2010

API NO. ASSIGNED: 43013503960000

WELL NAME: Kettle #1-10-3-1

OPERATOR: HARVEST (US) HOLDINGS, INC (N3520)

PHONE NUMBER: 435 719-2018

CONTACT: Don Hamilton

PROPOSED LOCATION: SWSE 030S 010W

Permit Tech Review:

SURFACE: 0981 FSL 2141 FEL

Engineering Review:

BOTTOM: 0981 FSL 2141 FEL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 40.23250

LONGITUDE: -109.97981

UTM SURF EASTINGS: 586790.00

NORTHINGS: 4453851.00

FIELD NAME: WILDCAT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT**
- Bond:** STATE/FEE - B004657
- Potash**
- Oil Shale 190-5**
- Oil Shale 190-3**
- Oil Shale 190-13**
- Water Permit:** Neil Moon Pond
- RDCC Review:** 2010-07-13 00:00:00.0
- Fee Surface Agreement**
- Intent to Commingle**

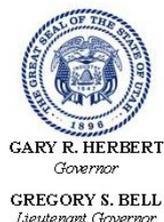
Commingle Approved

LOCATION AND SITING:

- R649-2-3.**
 - Unit:**
 - R649-3-2. General**
 - R649-3-3. Exception**
 - Drilling Unit**
 - Board Cause No:** R649-3-3
 - Effective Date:**
 - Siting:**
 - R649-3-11. Directional Drill**
-

Comments: Presite Completed

Stipulations:
1 - Exception Location - bhill
5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - ddoucet
21 - RDCC - dmason
23 - Spacing - dmason



State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Kettle #1-10-3-1
API Well Number: 43013503960000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 7/13/2010

Issued to:
HARVEST (US) HOLDINGS, INC, 1177 Enclave Parkway, Houston, TX 77077

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-3. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:
Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

Approved By:

A handwritten signature in black ink, appearing to read "B. D. ...", written in a cursive style.

Acting Associate Director, Oil & Gas

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DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: HARVEST (US) HOLDINGS, INC

Well Name: KETTLE #1-10-3-1

Api No: 43-013-50396 Lease Type FEE

Section 10 Township 03S Range 01W County DUCHESNE

Drilling Contractor CRAIG'S ROUSTABOUT SERV RIG # BUCKET

SPUDDED:

Date 07/14/2010

Time 10:30 AM

How DRY

Drilling will Commence: _____

Reported by JEFF SCHRUTKA

Telephone # (281) 899-5743

Date 07/15/2010 Signed CHD

ENTITY ACTION FORM

Operator: Harvest (US) Holdings, Inc. Operator Account Number: N 3520
Address: 1177 Enclave Parkway
city Houston
state TX zip 77077 Phone Number: (281) 899-5722

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|-----------|-----|-----|----------------------------------|---------------------|
| 4301350396 | Kettle #1-10-3-1 | | SWSE | 10 | 03S | 01W | Duchesne |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| A | 99999 | 17708 | 7/14/2010 | | | 7/27/10 | |
| Comments: <u>WSTC</u> The well was spud utilizing Craigs at 1000 hrs. Conductor was set at 67' | | | | | | | CONFIDENTIAL |

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|-------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: RECEIVED JUL 21 2010 | | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

DIV. OF OIL, GAS & MINING Don Hamilton

Name (Please Print) _____
Don Hamilton
Signature _____
Agent for Harvest _____ 7/21/2010
Title _____ Date _____

| | |
|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
| | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Oil Well | 8. WELL NAME and NUMBER: Kettle #1-10-3-1 |
| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway , Houston, TX, 77077 | PHONE NUMBER: 281 899-5722 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.0S Range: 01.0W Meridian: U | 9. FIELD and POOL or WILDCAT: WILDCAT |
| | COUNTY: DUCHESNE |
| | STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|--|---|---|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 7/14/2010 | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Harvest (US) Holdings, Inc. spud the Kettle #1-10-3-1 on July 14, 2009 at 1000 hours utilizing Criags.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 July 21, 2010

| | | |
|--|-------------------------------------|---|
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | DATE 7/21/2010 | |

ENTITY ACTION FORM

Operator: Harvest (US) Holdings, Inc. Operator Account Number: N 3520
 Address: 1177 Enclave Parkway
city Houston
state TX zip 77077 Phone Number: (281) 899-5722

Well 1

| API Number | Well Name | QQ | Sec | Twp | Rng | County |
|---|-----------------------|-------------------|-----|-----------|-----|----------------------------------|
| 4301350396 | Kettle #1-10-3-1 | SWSE | 10 | 03S | 01W | Duchesne |
| Action Code | Current Entity Number | New Entity Number | | Spud Date | | Entity Assignment Effective Date |
| A | | | | 7/14/2010 | | |
| Comments: The well was spud utilizing Craigs at 1000 hrs. Conductor was set at 67' | | | | | | |

Well 2

| API Number | Well Name | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----|-----------|-----|----------------------------------|
| | | | | | | |
| Action Code | Current Entity Number | New Entity Number | | Spud Date | | Entity Assignment Effective Date |
| | | | | | | |
| Comments: | | | | | | |

Well 3

| API Number | Well Name | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----|-----------|-----|----------------------------------|
| | | | | | | |
| Action Code | Current Entity Number | New Entity Number | | Spud Date | | Entity Assignment Effective Date |
| | | | | | | |
| Comments: | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Don Hamilton

 Name (Please Print)
Don Hamilton

 Signature
 Agent for Harvest 7/21/2010

 Title Date

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

| | |
|---|---|
| 1. TYPE OF WELL Oil Well | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | 7. UNIT or CA AGREEMENT NAME: |
| PHONE NUMBER: 281 899-5722 Ext | 8. WELL NAME and NUMBER: Kettle #1-10-3-1 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FSL | 9. API NUMBER: 43013503960000 |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.05 Range: 01.0W Meridian: U | 9. FIELD and POOL or WILDCAT: WILDCAT |
| | COUNTY: DUCESNE |
| | STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|--|--|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/24/2010 | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Attached please find the drilling reports ending 7-24-2010

CONFIDENTIAL - TIGHT HOLE

| | | |
|--|-------------------------------------|---|
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 7/26/2010 |

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**
July 27, 2010

KETTLE #1-10-3-1 DAILY OPERATIONS SUMMARY

| | | | | | | |
|------------|-----------|--------------------|----------|-------------------|--------|---------------------------|
| Date: | 19-Jul-10 | Current Operation: | Drilling | Depth @ Midnight: | 1,777' | |
| | | | | Depth @ 05:00: | 1,850' | Footage last 24 hrs: 243' |
| Spud Date: | 14-Jul-10 | Days Since Spud: | 5 | | | |

| Time Breakdown: | | |
|-----------------|-------|--|
| From: | To: | Description |
| 0:00 | 1:30 | Drill 12 1/4 hole to 1614' |
| 1:30 | 2:00 | Survey @ 1584', 1.5 degrees |
| 2:00 | 5:00 | Drill 12 1/4 hole to 1670' on Air/Foam |
| 5:00 | 7:00 | Load well with water base mud |
| 7:00 | 14:00 | Drill 12 1/4" hole to 1734' |
| 14:00 | 15:00 | Circulate & survey @ 1704', 1 degree |
| 15:00 | 18:00 | TFNB |
| 18:00 | 21:00 | Wash & ream 1080'-1734' |
| 21:00 | 0:00 | Drill 12 1/4" hole to 1777' |
| 0:00 | | |
| | | |
| | | Please note date change-running midnight to midnight, we decided to use the date the time ends |
| | | |
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| Daily Cost: |
| Cumulative Cost: |
| AFE: |
| AFE Remaining: |

RECEIVED July 26, 2010

KETTLE #1-10-3-1 DAILY OPERATIONS SUMMARY

| | | | | | |
|-------------------|-----------|---------------------------|--|-----------------------------|--------|
| Date: | 24-Jul-10 | Current Operation: | Finishing out of hole; preparing to run 9 5/8" | Depth @ Midnight: | 3,000' |
| Spud Date: | 14-Jul-10 | Days Since Spud: | 10 | Depth @ 05:00: | 3,000' |
| | | | | Footage last 24 hrs: | 126' |

| Time Breakdown: | | |
|-----------------|-------|--|
| From: | To: | Activity |
| 0:00 | 0:30 | Survey @ 2844'; 1 1/4 degree |
| 0:30 | 5:30 | Drill 12 1/4" hole to 3000' (Interval TD) |
| 5:30 | 6:30 | Circulate & survey @ 2990'; 1 1/4 degree |
| 6:30 | 10:30 | POH to 13 3/8" shoe for wiper trip |
| 10:30 | 11:00 | Rig service |
| 11:00 | 14:00 | RIH; W&R 800'-3000' |
| 14:00 | 16:00 | Circulate high viscosity pill |
| 16:00 | 22:15 | POH to run casing; overpull from 2000'-1300'; RIH to wipe hole again |
| 22:15 | 0:00 | Circulate & pump high viscosity sweeps |
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|-------------------------|
| Daily Cost: |
| Cumulative Cost: |
| AFE: |
| AFE Remaining: |

RECEIVED July 26, 2010

| | | |
|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Oil Well | | 8. WELL NAME and NUMBER: Kettle #1-10-3-1 |
| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | PHONE NUMBER: 281 899-5722 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.05 Range: 01.0W Meridian: U | | COUNTY: DUCHESNE |
| | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/31/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the drilling reports ending 7-31-2010 | | |
| ----- CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 8/1/2010 |

Accepted by the
Utah Division of
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 August 02, 2010

| | | |
|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
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| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
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| 1. TYPE OF WELL Oil Well | | 8. WELL NAME and NUMBER: Kettle #1-10-3-1 |
| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | PHONE NUMBER: 281 899-5722 Ext |
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| | | STATE: UTAH |
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| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER |
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| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/7/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the drilling reports ending 8-7-2010 | | |
| CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 8/9/2010 |

Accepted by the
Utah Division of
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 August 09, 2010

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|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
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| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | PHONE NUMBER: 281 899-5722 Ext |
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| | | STATE: UTAH |
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| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/14/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the drilling reports ending 8-14-2010 | | |
| CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 8/16/2010 |

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Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 16, 2010

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|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
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| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 PHONE NUMBER: 281 899-5722 Ext | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.05 Range: 01.0W Meridian: U | | COUNTY: DUCHESNE |
| | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
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| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APP EXTENSION |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/21/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the drilling reports ending 8-21-2010 | | |
| CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 8/22/2010 |

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Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 25, 2010

| KETTLE #1-10-3-1 DAILY OPERATIONS SUMMARY | | | | | |
|---|-----------|--|----------|----------------------|--------|
| Date: | 17-Aug-10 | Current Operation: | Drilling | Depth @ Midnight: | 9,382' |
| Spud Date: | 14-Jul-10 | Days Since Spud: | 34 | Depth @ 05:00: | 9,514' |
| | | | | Footage last 24 hrs: | 422' |
| Time Breakdown: | | | | | |
| From: | To: | | | | |
| 0:00 | 1:15 | Drill to 8990' | | | |
| 1:15 | 2:30 | Circulate for correlation | | | |
| 2:30 | 3:00 | Drill to 9005' | | | |
| 3:00 | 4:30 | Circulate for correlation | | | |
| 4:30 | 5:15 | Drill to 9020' | | | |
| 5:15 | 6:00 | Circulate for correlation | | | |
| 6:00 | 6:45 | Drill to 9035' | | | |
| 6:45 | 7:45 | Circulate for correlation | | | |
| 7:45 | 8:15 | Drill to 9049' | | | |
| 8:15 | 9:00 | Circulate for correlation | | | |
| 9:00 | 10:00 | Drill to 9072' | | | |
| 10:00 | 11:30 | Flow increase; SI & check pressures; open well & circulate | | | |
| 11:30 | 13:15 | Drill to 9101' | | | |
| 13:15 | 13:45 | Rig service | | | |
| 13:45 | 0:00 | Drill to 9382' | | | |
| | | | | Daily Cost:** | |
| | | | | Cumulative Cost: | |
| | | | | AFE: | |
| | | | | AFE Remaining: | |

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| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
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| | | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Oil Well | | 8. WELL NAME and NUMBER: Kettle #1-10-3-1 |
| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | PHONE NUMBER: 281 899-5722 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.05 Range: 01.0W Meridian: U | | COUNTY: DUCHESNE |
| | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APP EXTENSION |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/28/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the drilling reports ending 8-28-2010 | | |
| CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 8/30/2010 |

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 30, 2010

| | |
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| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: |
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|--|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/27/2010 | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/> |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | | | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | | | |
| <input type="checkbox"/> DRILLING REPORT Report Date: | | | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Harvest (US) Holdings, Inc. requests approval to extend the proposed TD from 11,000' to 12,500' based on geological information acquired during the drilling to date. We have experienced some lost circulation and gas kick problems, so need to make some changes in the program and plan to immediately commence the following: 1. Current TD 10,886'; 2. Set a barite plug on bottom to approximately 10,800' to shut off flow from the bottom zone. 3. Clean up the hole and log as much of the hole as possible. 4. Spot LCM and pump a balanced cement plug at approximately 10,400' in preparation for running casing. 5. Allow time for cement to set; slack off and tag plug. 6. Run and cement 7" flush joint long string. 7. Drill out with 6" hole to approximately 12,500' 8. Log bottom section of hole 9. Run and cement 4 1/2 liner to TD.

Approved by the Utah Division of Oil, Gas and Mining

Date: September 02, 2010

By: *Don Hamilton*

| | | |
|--|-------------------------------------|---|
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 8/27/2010 |

| | | |
|--------------|---|-----------------------------|
| Well name: | 4301350396000 Kettle #1-10-3-1rev. | |
| Operator: | HARVEST (US) HOLDINGS, INC | |
| String type: | Production Liner | Project ID: 43-013-50396 |
| Location: | DUCHESNE COUNTY | |

Design parameters:

Collapse

Mud weight: 11.500 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 249 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Burst

Max anticipated surface pressure: 4,718 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,468 psi

No backup mud specified.

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 12,082 ft

Cement top:

10,100 ft

Liner top:

10,100 ft w/128WD
OK.

Non-directional string.

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1 | 2400 | 4.5 | 15.10 | P-110 | LT&C | 12500 | 12500 | 3.701 | 15048 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1 | 7468 | 14350 | 1.922 ✓ | 7468 | 14420 | 1.93 ✓ | 36.2 | 406 | 11.20 J ✓ |

Approved by the Utah Division of Oil, Gas and Mining

Date: September 02, 2010
By: Dustin Doucet

Prepared by: Dustin Doucet
Div of Oil, Gas & Mining

Phone: 801 538-5281
FAX: 801-359-3940

Date: September 1, 2010
Salt Lake City, Utah

Remarks:

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 12500 ft, a mud weight of 11.5 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

| | | |
|--------------|--|-----------------------------|
| Well name: | 43013503960000 Kettle #1-10-3-1rev. | |
| Operator: | HARVEST (US) HOLDINGS, INC | |
| String type: | Intermediate | Project ID: 43-013-50396 |
| Location: | DUCHESNE COUNTY | |

Design parameters:

Collapse

Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 4,344 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 5,580 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 8,741 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 218 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top:

2,520 ft w/12640
cas. dc surf.
Vok.

Non-directional string.

Re subsequent strings:

Next setting depth: 12,500 ft
Next mud weight: 9.000 ppg
Next setting BHP: 5,844 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 11,000 ft
Injection pressure: 11,000 psi

| Run Seq | Segment Length (ft) | Size (in) | Nominal Weight (lbs/ft) | Grade | End Finish | True Vert Depth (ft) | Measured Depth (ft) | Drift Diameter (in) | Est. Cost (\$) |
|---------|---------------------|-------------------------|-------------------------|------------------|----------------------|----------------------|---------------------|-------------------------|-----------------------|
| 1 | 10300 | 7 | 29.00 | HCP-110 | LT&C | 10300 | 10300 | 6.059 | 116314 |
| Run Seq | Collapse Load (psi) | Collapse Strength (psi) | Collapse Design Factor | Burst Load (psi) | Burst Strength (psi) | Burst Design Factor | Tension Load (kips) | Tension Strength (kips) | Tension Design Factor |
| 1 | 5351 | 9200 | 1.719 ✓ | 5580 | 11220 | 2.01 ✓ | 298.7 | 797 | 2.67 J ✓ |

Approved by the Utah Division of Oil, Gas and Mining

Date: September 02, 2010
By: Dustin Doucet

Prepared by: Dustin Doucet
Div of Oil, Gas & Mining

Phone: 801 538-5281
FAX: 801-359-3940

Date: September 1, 2010
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 10300 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

| | | |
|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Oil Well | | 8. WELL NAME and NUMBER: Kettle #1-10-3-1 |
| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | PHONE NUMBER: 281 899-5722 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.05 Range: 01.0W Meridian: U | | COUNTY: DUCHESNE |
| | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APP EXTENSION |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/4/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the drilling reports ending 9-4-2010 | | |
| ----- CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 9/6/2010 |

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 07, 2010

| | | |
|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
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| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.05 Range: 01.0W Meridian: U | | COUNTY: DUCHESNE |
| | | STATE: UTAH |
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| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/11/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the drilling reports ending 9-11-2010 | | |
| ----- CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 9/13/2010 |

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 13, 2010

| | | |
|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
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| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 PHONE NUMBER: 281 899-5722 Ext | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.05 Range: 01.0W Meridian: U | | COUNTY: DUCHESNE |
| | | STATE: UTAH |
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| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER |
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| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/18/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the drilling reports ending 9-18-2010 | | |
| CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 9/20/2010 |

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 20, 2010

KETTLE #1-10-3-1 DAILY OPERATIONS SUMMARY

| | | | | | | |
|-------------------|-----------|---------------------------|--------------|--------------------------|----------|--------------------------------|
| Date: | 12-Sep-10 | Current Operation: | PU 3 1/2" DP | Depth @ Midnight: | 10,972 ' | |
| | | | | Depth @ 05:00: | 10,972 ' | Footage last 24 hrs: 0' |
| Spud Date: | 14-Jul-10 | Days Since Spud: | 60 | | | |

| Time Breakdown: | | |
|-----------------|-------|--|
| From: | To: | Description: |
| 0:00 | 14:30 | Skid rig over top of mouse hole; LD 4 1/2" DP & BHA |
| 14:30 | 22:30 | Skid rig back over well; NU flowline & secure BOP's; unload & strap 3 1/2" DP & 4 3/4" BHA |
| 22:30 | 0:00 | MU 6" bit & PU DC's to drill 6" hole |
| | | PLEASE NOTE CHANGE IN 7" CASING SHOE DEPTH & OTHER ACCESSORIES: |
| | | SHOE: 10315.34' |
| | | FLOAT COLLAR: 10264.72' |
| | | MARKER A: 9150.50' |
| | | DV COLLAR: 8472.58 |
| | | MARKER B: 6385.98' |
| | | |
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| |
|-------------------------|
| Daily Cost: |
| Cumulative Cost: |
| AFE: |
| AFE Remaining: |

RECEIVED September 20, 2010

KETTLE #1-10-3-1 DAILY OPERATIONS SUMMARY

| | | | | | |
|-------------------|-----------|---------------------------|------------------------|--------------------------|--|
| Date: | 14-Sep-10 | Current Operation: | RIH with new bit & BHA | Depth @ Midnight: | 10,976 ' |
| Spud Date: | 14-Jul-10 | Days Since Spud: | 62 | Depth @ 05:00: | 10,976 ' Footage last 24 hrs: 4 ' |

| Time Breakdown: | | |
|-----------------|-------|--|
| From: | To: | Description |
| 0:00 | 2:30 | Drill float collar 10222-10225.5' |
| 2:30 | 4:00 | Drill cement 10225-10268'; circulate 15 minutes |
| 4:00 | 4:30 | Test casing |
| 4:30 | 5:45 | Drill cement 10268-10317'. Drill float shoe 10317-10319' (8 min) |
| 5:45 | 12:15 | Wash to bridge plug at 10922' & drill same |
| 12:15 | 15:30 | Wash to 10976'; circulate hole clean; pull into casing; perform FIT to 15.0 ppg EMW |
| 15:30 | 17:00 | POH for bit & BHA change |
| 17:00 | 17:30 | Rig service |
| 17:30 | 23:00 | Finish out of hole |
| 23:00 | 0:00 | PU new bit & start to make up new BHA |
| | | |
| | | |
| | | NOTE: No new hole actually drilled. The 4' logged is difference in tally length between 4 1/2 DP & 3 1/2 DP. |
| | | |
| | | |

| |
|-------------------------|
| Daily Cost: |
| Cumulative Cost: |
| AFE: |
| AFE Remaining: |

RECEIVED September 20, 2010

| | | |
|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
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| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | PHONE NUMBER: 281 899-5722 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.05 Range: 01.0W Meridian: U | | COUNTY: DUCHESNE |
| | | STATE: UTAH |
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| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/25/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the drilling reports ending 9-25-2010 | | |
| CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 9/27/2010 |

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 28, 2010

| | | |
|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
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| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/16/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the completion reports ending 10-16-2010 | | |
| CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 10/17/2010 |

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 21, 2010

| | | |
|--|---|---|
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| 3. ADDRESS OF OPERATOR: 2580 Creekview Road, Moab, UT, 84532 PHONE NUMBER: 435 719-2018 Ext | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.05 Range: 01.0W Meridian: U | | COUNTY: DUCHESNE |
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| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER |
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| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/23/2010 | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Attached please find the completion reports ending 10-23-2010 | | |
| ----- CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 10/25/2010 |

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 25, 2010

| | | |
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| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
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| | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Oil Well | | 8. WELL NAME and NUMBER: Kettle #1-10-3-1 |
| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | PHONE NUMBER: 281 899-5722 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.05 Range: 01.0W Meridian: U | | COUNTY: DUCHESNE |
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| ----- CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 11/2/2010 |

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 02, 2010

KETTLE #1-10-3-1 DAILY COMPLETION OPERATIONS SUMMARY

| | | | | | | |
|-------------------|------------------|---------------------------|------------------------------|--------------------------|---------|--------------------------------|
| Date: | 28-Oct-10 | Current Operation: | Set Packer @ 8080' & set BPV | Depth @ Midnight: | 11,793' | |
| | | | | Depth @ 06:00: | 11,793' | Footage last 24 hrs: 0' |
| Spud Date: | 29-Sep-10 | Days Since Spud: | 29 | | | |

| Time Breakdown: | | |
|------------------------|------------|--|
| From: | To: | |
| 0:00 | 0:00 | Load to recover: 22080 bbls |
| | | Water recovered last 24 hrs.: 340 bbls |
| | | Water left to recover: 12018 bbls. |
| | | Total water recovered: 10061 bbls |
| | | Oil produced last 24 hrs.: 258 bbls |
| | | Total Oil Produced: 4589 bbls |
| | | Gas to Flare f/ 24 hours: 1.227 MMscf |
| | | Total gas flared: 18.663 MMscf |
| 9:00 | 11:45 | MI & RU W/L Unit. GIH w/ Sinker Bar to 10,003' and tagged fill. Attempts to pass failed. RD and continue to test well. |
| | | |
| | | |
| | | |
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| |
|-------------------------|
| Daily Cost: |
| Cumulative Cost: |
| AFE: |
| AFE Remaining: |

RECEIVED November 02, 2010

| | | |
|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
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| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | 9. FIELD and POOL or WILDCAT: WILDCAT |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway, Houston, TX, 77077 | | PHONE NUMBER: 281 899-5722 Ext |
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| <input type="checkbox"/> SPUD REPORT Date of Spud: | | OTHER: <input style="width: 50px;" type="text"/> |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/6/2010 | | |
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| CONFIDENTIAL - TIGHT HOLE | | |
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 11/8/2010 |

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 November 08, 2010

| | |
|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
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| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/18/2010 | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
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| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
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| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text"/> |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Harvest (US) Holdings, Inc respectfully submits this request for extended testing of the Kettle 1-10-3-1 well in a continued effort to evaluate the production potential of the well. A 60 day testing period is requested to gather of sufficient data to allow determination of the economic viability of extending a gas pipeline to the location (approximately 3.99 mile connection) and a three phase electric power connection to the location (approximately 2 mile connection). We would request approval to continue testing the well simultaneously with design and installation of permanent production facilities for the well. We anticipate that testing will be completed by approximately January 15, 2011 and that a total of 150 mmcf will be flared during that time.

REQUEST DENIED
Utah Division of
Oil, Gas and Mining

Date: November 15, 2010
 By: *Don Hamilton*

| | | |
|--|-------------------------------------|---|
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | DATE 11/10/2010 | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013503960000

As per rule R649-3-20-3.2 and R649-3-20-5, flaring in the requested amounts will require Board action.

REQUEST DENIED
Utah Division of
Oil, Gas and Mining

Date: November 15, 2010
By: *Dark Quist*

| | |
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| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
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REQUEST DENIED
Utah Division of
Oil, Gas and Mining

Date: November 15, 2010
 By: *Don Hamilton*

| | | |
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| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | DATE 11/10/2010 | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013503960000

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Date: November 15, 2010
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| CONFIDENTIAL - TIGHT HOLE | | |
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Accepted by the
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KETTLE #1-10-3-1 DAILY COMPLETION OPERATIONS SUMMARY

| | | | | | |
|-------------------|-----------|---------------------------|------------------------------|-----------------------------|---------|
| Date: | 28-Oct-10 | Current Operation: | Set Packer @ 8080' & set BPV | Depth @ Midnight: | 11,793' |
| Spud Date: | 29-Sep-10 | Days Since Spud: | 29 | Depth @ 06:00: | 11,793' |
| | | | | Footage last 24 hrs: | 0' |

| Time Breakdown: | | |
|-----------------|-------|--|
| From: | To: | |
| 0:00 | 0:00 | Load to recover: 22080 bbls |
| | | Water recovered last 24 hrs.: 340 bbls |
| | | Water left to recover: 12018 bbls. |
| | | Total water recovered: 10061 bbls |
| | | Oil produced last 24 hrs.: 258 bbls |
| | | Total Oil Produced: 4589 bbls |
| | | Gas to Flare f/ 24 hours: 1.227 MMscf |
| | | Total gas flared: 18.663 MMscf |
| 9:00 | 11:45 | MI & RU W/L Unit. GIH w/ Sinker Bar to 10,003' and tagged fill. Attempts to pass failed. RD and continue to test well. |
| | | |
| | | |
| | | |
| | | |
| | | |

| |
|-------------------------|
| Daily Cost: |
| Cumulative Cost: |
| AFE: |
| AFE Remaining: |

RECEIVED November 02, 2010

| | |
|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Oil Well | 8. WELL NAME and NUMBER: KETTLE #1-10-3-1 |
| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | 9. API NUMBER: 4301350396000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway , Houston, TX, 77077 | PHONE NUMBER: 281 899-5722 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.0S Range: 01.0W Meridian: U | 9. FIELD and POOL or WILDCAT: WILDCAT COUNTY: DUCHESNE STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|---|---|---|
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/22/2010 | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input checked="" type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text"/> |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Harvest (US) Holdings, Inc. hereby requests that the status of the Kettle #1-10-3-1 be changed to producing. First production was achieved on October 22, 2010 at 12:01 am.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

| | | |
|--|-------------------------------------|---|
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | | DATE 1/28/2011 |

| | |
|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
| | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Oil Well | 8. WELL NAME and NUMBER: KETTLE #1-10-3-1 |
| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | 9. API NUMBER: 43013503960000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway , Houston, TX, 77077 | PHONE NUMBER: 281 899-5722 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.0S Range: 01.0W Meridian: U | 9. FIELD and POOL or WILDCAT: WILDCAT |
| | COUNTY: DUCHESNE |
| | STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|--|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/22/2010 | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input style="width: 100px;" type="text"/> |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Harvest (US) Holdings, Inc. hereby makes application to commingle Wasatch and Green River production from the Kettle 1-10-3-1. Attached please find the following supplemental information: 1. Affidavit reflecting that Harvest / Branta are the owners of 100% of the contiguous oil and gas leases or drilling units overlying the pool; 2. Supporting plat describing the location of all wells on contiguous oil and gas leases or drilling units overlying the pool; 2. Civil plat for the referenced well; Allocation should never be necessary but if it ever necessary we will based on individual formation production percentages developed during the intial testing of the well.

Approved by the Utah Division of Oil, Gas and Mining

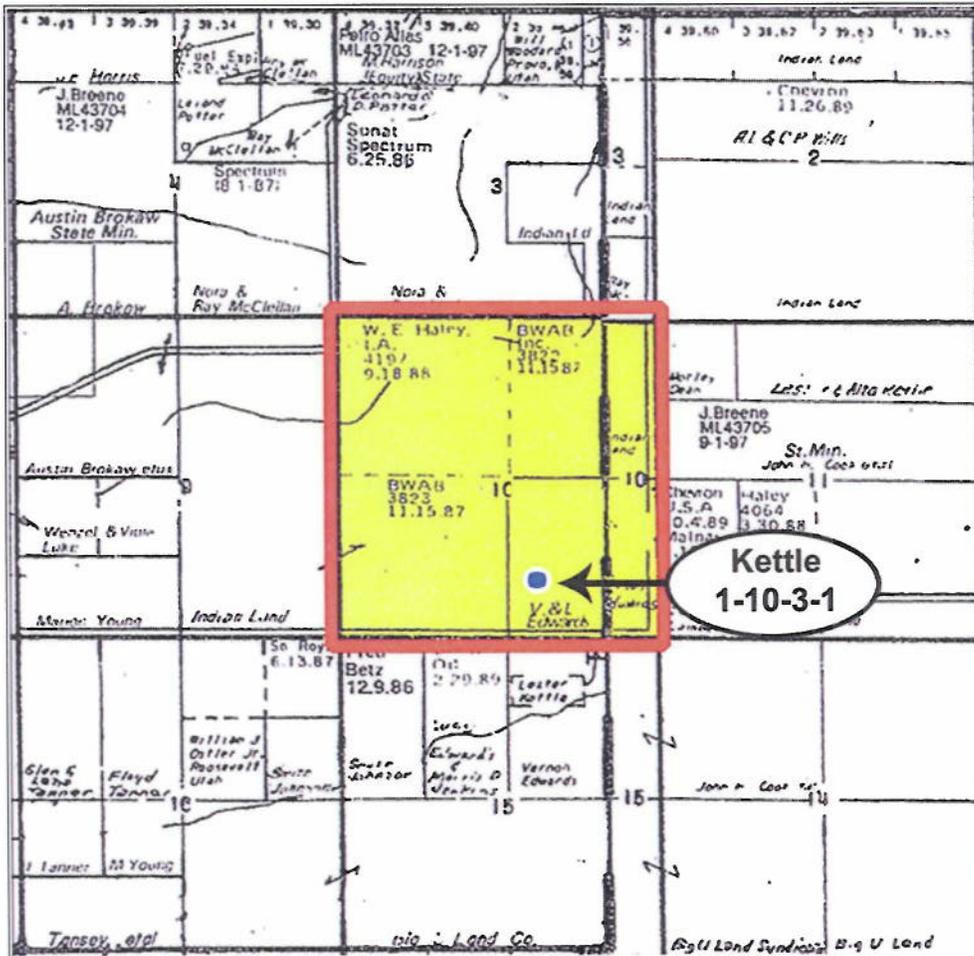
Date: 02/10/2011

By: *Dark K. Quist*

| | | |
|--|-------------------------------------|---|
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | DATE 1/5/2011 | |

KETTLE 1-10-3-1
640 ac Pooled Unit
Leasehold Estate Harvest/Branta 100%

Section 10
Township 3 South
Range 1 West
USB&M
Duchesne County, Utah
Uintah County, Utah



To my knowledge no other oil or gas wells have been drilled on the contiguous Leases situated within the Kettle #1-10-3-1 640 acre voluntary pooled unit.

HARVEST (US) HOLDINGS, INC.

Well location, KETTLE #1-10-3-1, located as shown in the SW 1/4 SE 1/4 of Section 10, T3S, R1W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

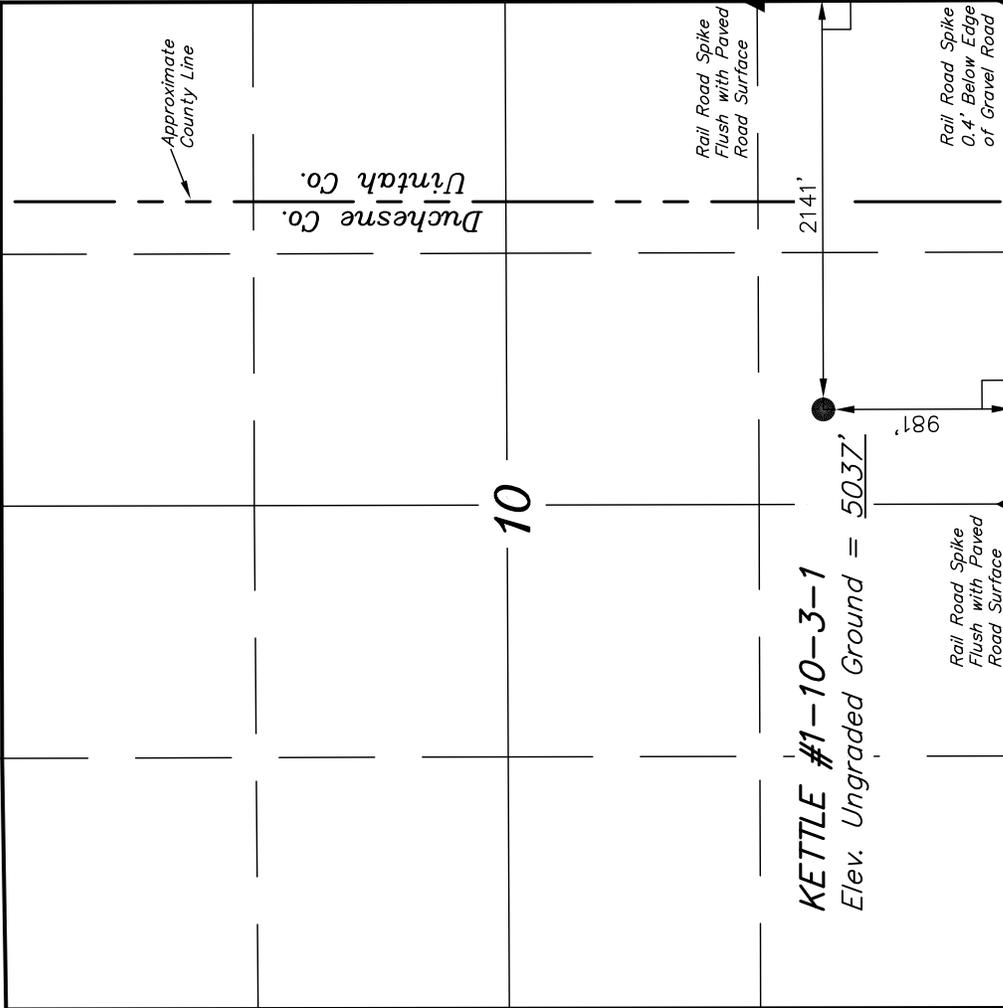
SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

N00°05'12"W - 5259.672' (G.L.O.)

S89°05'18"W 1316.70' (G.L.O.)
 S89°52'36"W 1320.66' (G.L.O.)
 S89°49'54"W 1319.01' (G.L.O.)
 S89°58'18"W 1320.33' (G.L.O.)



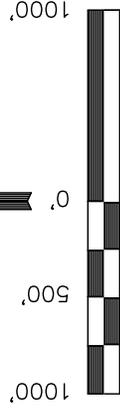
KETTLE #1-10-3-1
 Elev. Ungraded Ground = 5037'

S89°54'12"W - 2639.34' (G.L.O.)

S89°48'30"W - 2639.47' (Meas.)

(NAD 83)
 LATITUDE = 40°13'56.89" (40.232469)
 LONGITUDE = 109°58'49.64" (109.980456)
 (NAD 27)
 LATITUDE = 40°13'57.03" (40.232508)
 LONGITUDE = 109°58'47.11" (109.979753)

- LEGEND:**
- = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.



THIS IS TO CERTIFY THAT THE ABOVE POINT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Revised: 06-22-10

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

| | | |
|----------------|----------------|-----------------------------|
| SCALE | DATE SURVEYED: | DATE DRAWN: |
| 1" = 1000' | 05-21-10 | 05-28-10 |
| PARTY | REFERENCES | |
| M.A. C.H. K.G. | G.L.O. PLAT | |
| WEATHER | FILE | |
| WARM | | HARVEST (US) HOLDINGS, INC. |

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER Vertical

2. NAME OF OPERATOR: Harvest (US) Holdings, Inc.

7. UNIT or CA AGREEMENT NAME: N/A

3. ADDRESS OF OPERATOR: 1177 Enclave Parkway CITY Houston STATE TX ZIP 77077 PHONE NUMBER: (281) 899-5722

8. WELL NAME and NUMBER: Kettle #1-10-3-1

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 981' FSL & 2141' FEL,
AT TOP PRODUCING INTERVAL REPORTED BELOW: 981' FSL & 2141' FEL,
AT TOTAL DEPTH: 981' FSL & 2141' FEL,

10 FIELD AND POOL, OR WILDCAT: Wildcat

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 10 3S 1W U

12. COUNTY: Duchesne 13. STATE: UTAH

14. DATE SPUNDED: 7/14/2010 15. DATE T.D. REACHED: 9/17/2010 16. DATE COMPLETED: 10/21/2010 ABANDONED READY TO PRODUCE 17. ELEVATIONS (DF, RKB, RT, GL): 5040

18. TOTAL DEPTH: MD 12,002 TVD 12,002 19. PLUG BACK T.D.: MD 11,913 TVD 11,913 20. IF MULTIPLE COMPLETIONS, HOW MANY? * 9 frac stages 21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
HRLA; CN; RST; GR; MSIP; CHFR

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

| HOLE SIZE | SIZE/GRADE | WEIGHT (#/R.) | TOP (MD) | BOTTOM (MD) | STAGE CEMENTER DEPTH | CEMENT TYPE & NO. OF SACKS | SLURRY VOLUME (BBL) | CEMENT TOP ** | AMOUNT PULLED |
|-----------|------------|---------------|----------|-------------|----------------------|----------------------------|---------------------|---------------|---------------|
| 26" | 20 H40 | 0.375 WT | 0 | 91 | | | | 0-CIR | - |
| 17-1/2" | 13-3/8 J55 | 48.5 | 0 | 332 | | G 1,026 | 69 | 0-CIR | - |
| 12-1/4" | 9-5/8 J55 | 36 | 0 | 2,972 | | G 800 | 322 | 0-CIR | - |
| 8-3/4" | 7 P11 | 29 | 0 | 8,558 | | | | | - |
| 8-1/2" | 7 P11 | 29 | 8,559 | 10,315 | 8,472 | G 1,200 | 306 | 0-CIR | - |
| 6" | 4-1/2 P11 | 15.1 | 9,971 | 12,000 | | G 240 | 67 | 9971 | |

25. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|-------|----------------|-----------------|------|----------------|-----------------|------|----------------|-----------------|
| 2-7/8 | 8,095 | 8,080 | | | | | | |

26. PRODUCING INTERVALS

| FORMATION NAME | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) | INTERVAL (Top/Bot - MD) | SIZE | NO. HOLES | PERFORATION STATUS |
|-----------------|----------|-------------|-----------|--------------|-------------------------|------|-----------|--|
| (A) Wasatch | 8,718 | 12,002 | 8,718 | 12,002 | 8,752 11,613 | 3S | 492 | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| (B) Green River | 3,735 | 8,718 | 3,735 | 8,718 | 8,198 8,696 | 4S | 224 | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| (C) | | | | | | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |
| (D) | | | | | | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |

27. PERFORATION RECORD

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------|--|
| 8198-8698 | 375,00 lbs 20/40 White |
| 8752-9687 | 400,000 lbs 20/40 White |
| 10940-11613 | 200,000 lbs 20/40 White, 450,000 20/40 TLC |

29. ENCLOSED ATTACHMENTS: ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS: Producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

| | | | | | | | | | | |
|------------------------------------|--------------------------|----------------------|----------------------|--------------------------|------------------------|---------------------------|------------------------|-----------------------|---------------------|-----------------------------|
| DATE FIRST PRODUCED: 10/21/2010 | TEST DATE: 10/29/2010 | HOURS TESTED: 192 | | TEST PRODUCTION RATES: → | OIL - BBL: 4,628 | GAS - MCF: 18,876 | WATER - BBL: 10,192 | PROD. METHOD: Flow | | |
| CHOKE SIZE: 24 | TBG. PRESS. 0 | CSG. PRESS. 2,200 | API GRAVITY 40.00 | BTU - GAS 1,190 | GAS/OIL RATIO 2,960 | 24 HR PRODUCTION RATES: → | OIL - BBL: 1,035 | GAS - MCF: 3,064 | WATER - BBL: 940 | INTERVAL STATUS: Testing |

INTERVAL B (As shown in item #26)

| | | | | | | | | | | |
|----------------------|-------------|---------------|-------------|--------------------------|---------------|---------------------------|--------------|---------------|--------------|------------------|
| DATE FIRST PRODUCED: | TEST DATE: | HOURS TESTED: | | TEST PRODUCTION RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | PROD. METHOD: | | |
| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | INTERVAL STATUS: |

INTERVAL C (As shown in item #26)

| | | | | | | | | | | |
|----------------------|-------------|---------------|-------------|--------------------------|---------------|---------------------------|--------------|---------------|--------------|------------------|
| DATE FIRST PRODUCED: | TEST DATE: | HOURS TESTED: | | TEST PRODUCTION RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | PROD. METHOD: | | |
| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | INTERVAL STATUS: |

INTERVAL D (As shown in item #26)

| | | | | | | | | | | |
|----------------------|-------------|---------------|-------------|--------------------------|---------------|---------------------------|--------------|---------------|--------------|------------------|
| DATE FIRST PRODUCED: | TEST DATE: | HOURS TESTED: | | TEST PRODUCTION RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | PROD. METHOD: | | |
| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU - GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL - BBL: | GAS - MCF: | WATER - BBL: | INTERVAL STATUS: |

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Flared

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

| Formation | Top (MD) | Bottom (MD) | Descriptions, Contents, etc. | Name | Top (Measured Depth) |
|-------------|----------|-------------|------------------------------|---------------|----------------------|
| Wasatch | 9,718 | 11,613 | Laminated Sand | Green River | 3,735 |
| Green River | 8,198 | 9,718 | Laminated Sand | Uteland Butte | 8,310 |
| | | | | Wasatch | 9,718 |

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Don HamiltonTITLE Agent for Harvest (US) Holdings, Inc.SIGNATURE Don HamiltonDATE 1/25/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

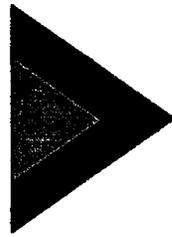
** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

CONFIDENTIAL



décollement

GEOLOGIC REPORT

Provided by
Decollement Consulting Inc.

For
Harvest (US) Holdings, Inc.
1177 Enclave Pkwy
Houston, TX 77077

Harvest (US) Holdings Inc.
Kettle #1-10-3-1
SW/SE Sec.10.T3S, R1 W.
Duchesne County, UT

43.013.50396

September 17
2010

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**August 2010
Decollement Consulting, Inc**

**Roger D. Charbonneau, Dennis Springer
B.Sc. Geologist**

Well Data Summary

| | |
|------------------------|--|
| Well Name | Kettle #1-10-3-1 |
| Operator | Harvest (US) Holdings, Inc. |
| Surface Location | SW/SE Sec.10, T3S, R1W |
| API # | 043-027-26705 |
| Well Classification | Wildcat |
| Drilling Contractor | H & P Rig #319 |
| Elevation-Ground level | 5041.6 |
| Kelly Bushing | 5065.85 |
| Spud Date | 7-14-2010 |
| TD Date | 9-17-2010 |
| TD Depth | 12000 |
| Surface Casing | 9 5/8" Sat @ 2979' |
| Intermediate Csg | 7" Sat @ 10320' |
| Hole Size | 8 3/4", 8 1/2", 6" |
| Sample Interval | 3000' |
| Gas Detection | 3000' |
| Open Hole Logs | GR, SP. Cal., High Resolution Laterolog, Neutron/Density, FMI,MSIB |
| Mud Type | Clay-Trol |
| Well Status | Run Pipe for Completion |

Formation Tops

Kettle #1-10-3-1

Kelly Bushing 5066'

| Formation | Prognosis | Spl Top (md) | Spl Top (tvd) | Log Top (md) | Log (tvd) | Sub Sea |
|--------------------------|-----------|--------------|---------------|--------------|-----------|---------|
| Uinta | Surface | | | | | |
| Green River 1 | | 3302' | 3302' | 3748 | 3748 | 1318 |
| Green River 2 | 4843' | 4922' | 4922' | 5266 | 5266 | (-200) |
| Smith | | 5034' | 5034' | 5381 | 5381 | (-315) |
| Mahogeny Bench | | 5136' | 5136' | 5458 | 5458 | (-392) |
| DJ | | 5548' | 5548' | 5800 | 5800 | (-734) |
| DJ1 | | 5778' | 5778' | 6098 | 6098 | (-1032) |
| Garden Gulch | | 6103' | 6103' | 6356 | 6356 | (-1290) |
| Green River 3 | | 6420' | 6420' | 6625 | 6625 | (-1559) |
| HI Marker | | 6586' | 6586' | 6804 | 6804 | (-1738) |
| I Marker | | 6950' | 6950' | 7094 | 7094 | (-2028) |
| K Marker (Douglas Creek) | | 7350' | 7350' | 7382 | 7382 | (-2316) |
| Castle Peak | | 8114' | 8114' | 8098 | 8098 | (-3032) |
| Control Point 80 | | 8206'' | 8206' | 8186 | 8186 | (-3120) |
| Bar "F" Unconformity | | 8250' | 8250' | 8210 | 8210 | (-3144) |
| Ute Land Butte | 8510' | 8317' | 8317' | 8310 | 8310 | (-3244) |
| CP 90 | | 8509' | 8509' | 8476 | 8476 | (-3410) |
| Wasatch | 8993' | 8756' | 8756' | 8718 | 8718 | (-3652) |
| Red Beds | | 9448' | 9448' | 9458 | 9458 | (-4392) |
| CP190 | | 9534' | 9534' | 9608 | 9608 | (-4542) |
| CP 200 | | | | 9660 | 9660 | (-4594) |
| CP210 | | | | 9706 | 9706 | (-4640) |
| Massive Red Beds | | 11402 | 11402 | 11396 | 11396 | (-6330) |

Formation Evaluation

Harvest (US) Holdings, Inc. Kettle #1-10-3-1

Decollement Consulting rigged up on Helmerich & Payne Rig #319, July 31, 2010. Total depth of 12000' was reached on September 17, 2010. Gas detection and lagged samples started under 2979' of 9 5/8" surface casing and were collected and logged to total depth (12000'). Under surface we drilled 8 3/4" hole to 10956'. The well flowed during show #13 at 10956' and intermediate (7") casing was set at 10320'. The mud weight was raised to 13.6 #/gallon after casing. The hole was drilled out 6" to total depth. Open hole E-logs (Triple-Combo) were run from total depth to intermediate (12000' to 10320'), followed by cased hole logs to surface. Shows #1-6 were in fractured oil shale and will be further evaluated with cased hole logs. Shows 7 and 8 were in a Sandstone with abundant brown oil stain and fast streaming yellow cut. Black to dark brown oil was logged over shakers. Shows 9 and 10 were again in a fractured oil shale with moderate black tar oil over shaker. Shows 11 through 14 were in a good sand package with 10' to 30' flares. E-logs showed high resistivity, with (4% to 10% porosity) crossover at (11104-11108 and (11560- 11562). The open hole logs indicated a minimum of 95' of pay in the open hole. Additional pay anticipated after analyzing up hole shows with cased hole logs. 5" casing was run to total depth. Shows in log indicate a well that is to be completed successfully.

Bit Record

**Harvest (US) Holdings, Inc.
Kettle #1-10-3-1**

| BIT | SIZE | MAKE | TYPE | SERIAL# | JETS | OUT |
|-----|-------------------------------|------|-----------|---------|-----------|-------|
| 5 | 8 ³ / ₄ | RTC | TC11PC | L81709 | 3x14,1x16 | 3354 |
| 6 | 8 ³ / ₄ | HCC | Q505F | 7014604 | 4x12,1x11 | 5367 |
| 7 | 8 ³ / ₄ | HCC | Q506F | 7021500 | 3x12,3x14 | 6498 |
| 8 | 8 ³ / ₄ | ULT | MS16666DU | 5263 | 5x11,1x12 | 7384 |
| 9 | 8 ³ / ₄ | ULT | MS1666DU | 5514 | 5x11,2x12 | 8558 |
| 10 | 8 ¹ / ₂ | HYC | MSRE616D | 123032 | 4x11,2x12 | 10972 |
| 11 | 6 | ULT | MS1655 | 7578 | 5x16 | 12000 |

| BIT | FT | HRS | TOT HRS | WT | RPM | PP | MUD WT | VIS | DEV |
|-----|------|--------|---------|----|-----|------|--------|-----|------|
| 5 | 318 | 12 3/4 | 12 3/4 | 35 | 110 | 1500 | 8.8 | 40 | .7 |
| 6 | 2013 | 47 1/2 | 60 1/4 | 17 | 30+ | 2500 | 9.45 | 42 | .22 |
| 7 | 1131 | 55 | 115 1/4 | 30 | 40+ | 3700 | 9.95 | 44 | .42 |
| 8 | 886 | 30 | 145 1/4 | 28 | 45+ | 3500 | 9.9 | 43 | 2.42 |
| 9 | 1174 | 34 1/4 | 179 1/2 | 15 | 118 | 2600 | 10.35 | 39 | .08 |
| 10 | 2414 | 93 1/2 | 273 | 15 | 30 | 2970 | 12.80 | 39 | .04 |
| 11 | 1028 | 46 3/4 | 319 3/4 | 20 | 120 | 2860 | 13.7 | 40 | NA |

Daily Drilling Summary

Harvest (US) Holdings, Inc.
Kettle #1-10-3-1

| <u>DATE</u> | <u>DEPTH</u> | <u>PROG</u> | <u>HRS</u> | <u>MUD</u> | <u>VIS</u> | <u>WL</u> | <u>PH</u> | <u>ACTIVITY</u> |
|-------------|--------------|-------------|------------|------------|------------|-----------|-----------|--------------------------------|
| 7-28 | | | | | | | | Move In, Rig Up |
| 7-29 | | | | | | | | Rig Up |
| 7-30 | | | | | | | | Rig Up |
| 7-31 | | | | | | | | Rig Up |
| 8-01 | | | | | | | | Rig Up, Fill Mud Tanks |
| 8-02 | | | | | | | | Rig Up, Nipple Up, Test BOP |
| 8-03 | | | | | | | | Pick up Drill Pipe & Dir. Tool |
| 8-04 | 3252' | 273' | 7.5 | 8.5 | 37 | | | Drill Float, Test, Drill |
| 8-05 | 3651' | 499' | 11.25 | 8.8 | 42 | 6.4 | 9.8 | Drill, Bit Trip, Drill |
| 8-06 | 4908' | 1257' | 23.5 | 8.8 | 42 | 6.0 | 9.5 | Drilling |
| 8-07 | 5367' | 359' | 18 | 9.45 | 42 | 5.8 | 9.5 | Drill, Bit Trip |
| 8-08 | 5397' | 54' | 2 | 9.4 | 42 | 5.8 | 9.5 | RIH, Drill |
| 8-09 | 6145' | 724' | 23.5 | 9.7 | 41 | 5.6 | 9.8 | Drilling |
| 8-10 | 6498' | 353' | 16.5 | 9.95 | 44 | 5.2 | 9.8 | Drill, Bit Trip |
| 8-11 | 6901' | 503' | 10.5 | 9.8 | 41 | 5.6 | 9.8 | RIH, Drill |
| 8-12 | 7371' | 470' | 18 | 9.9 | 46 | 5.2 | 9.9 | Drill, Back Ream, Drill |
| 8-13 | 7502' | 131' | 5.25 | 9.9 | 43 | 5.6 | 10 | Drill, Bit Trip, Drill |
| 8-14 | 8287' | 775' | 23 | 10.15 | 38 | 5.4 | 9.8 | Drilling |
| 8-15 | 8558' | 271' | 7 | 10.35 | 39 | 5.4 | 9.8 | Drill, Trip to Drill 8.5" hole |
| 8-16 | 9020' | 462' | 16 | 10.6 | 41 | 5.4 | 9.5 | Cirr.Btm Up, Drill |
| 8-17 | 9539' | 519' | 21 | 10.85 | 38 | 6.2 | 9.7 | Drill, Cirr. out high ga |
| 8-18 | 9612' | 73' | 2.5 | 11.0 | 39 | 6.0 | 9.5 | Drill, Cirr. & raise mud wt. |
| 8-19 | 9612' | Nil | Nil | 110. | 39 | 6.2 | 9.5 | Monitor Losses, Mix Mud |
| 8-20 | 9612' | Nil | Nil | 11.0 | 39 | 6.0 | 9.5 | Spot Weighted LCM pill |
| 8-21 | 9612' | Nil | Nil | 11.0 | 37 | 6.0 | 9.5 | Cirr. & Stage in |
| 8-22 | 9696' | 84' | 4.75 | 11.0 | 38 | 6.0 | 9.5 | Cirr. & Stage in, Drill |
| 8-23 | 10136' | 440' | 23.5 | 11.1 | 39 | 6.0 | 9.5 | Drilling |
| 8-24 | 10639' | 503' | 23.5 | 11.1 | 39 | 6.0 | 9.6 | Dilling |

| | | | | | | | | |
|------|--------|------|------|-------|----|------|------|------------------------------|
| 8-25 | 10972' | 333' | 17 | 11.1 | 39 | 6.0 | 9.5 | Drill, Cirr. kick, Raise Wt. |
| 8-26 | 10972' | Nil | Nil | 11.55 | 40 | 6.0 | 9.5 | Lost Cirr, Build Mud |
| 8-27 | 10972' | Nil | Nil | 11.8 | 40 | 6.0 | 9.5 | Spot 16.3lb/gal pill |
| 8-28 | 10972' | Nil | Nil | 11.1 | 42 | 6.0 | 9.3 | Raise Md Wt to 11.4+ |
| 8-29 | 10972' | Nil | Nil | 11.5 | 38 | 6.0 | 9.5 | Raise Md Wt to 11.9 |
| 8-30 | 10972' | Nil | Nil | 11.65 | 37 | 6.0 | 9.5 | Raise Md Wt to 12.2 |
| 8-31 | 10972' | Nil | Nil | 12.45 | 39 | 6.0 | 9.5 | Raise Mud Wt. to 12.6 |
| 9-01 | 10972' | Nil | Nil | 12.8 | 39 | 8.0 | 8.8 | Raise Mud Wt. to 12.8 |
| 9-02 | 10972' | Nil | Nil | 12.8 | 38 | 8.4 | 8.4 | Run Caliper, Set Packer |
| 9-03 | 10972' | Nil | Nil | 12.7 | 42 | 7.4 | 9.2 | RIH, Tag plug@10920' |
| 9-04 | 10972 | Nil | Nil | 12.7 | 40 | 6.4 | 9.0 | Set Cement Plug@10340' |
| 9-05 | 10972' | Nil | Nil | 11.7 | 40 | 6.6 | 9.6 | Cirr. & Monitor Flowing well |
| 9-06 | 10972' | Nil | Nil | 12.2 | 39 | 7.4 | 12.5 | No cement plug, Re-cement |
| 9-07 | 10972' | Nil | Nil | 12.4 | 40 | 8.4 | 12.5 | RIH, No Cement, Build Mud |
| 9-08 | 10972' | Nil | Nil | 12.6 | 45 | 13 | 11.8 | Cirr. & Cond. Mud, POOH |
| 9-09 | 10972' | Nil | Nil | 12.7 | 42 | 11.4 | 12 | Run Casing, Cirr. thru choke |
| 9-10 | 10972' | Nil | Nil | | | | | Run 7" Casing |
| 9-11 | 10972' | Nil | Nil | | | | | Cement Casing |
| 9-12 | 10972 | Nil | Nil | | | | | C/O Rams Test Csg & Bops |
| 9-13 | 10972 | Nil | Nil | | | | | LD DP P/U 3 ½ DP |
| 9-14 | 10972 | Nil | Nil | 13.5 | 42 | 18.6 | 11.6 | Wash & Ream Cement |
| 9-15 | 10972 | Nil | Nil | 13.9 | 44 | 10.2 | 11.3 | Trip for Bit # 11 |
| 9-16 | 11357 | 400 | 21 | 13.7 | 45 | 9.2 | 11.2 | Finish TIH, Drill |
| 9-17 | 11941 | 564 | 23 ½ | 13.5 | 46 | 6.9 | 11.6 | Drill |
| 9-18 | 12000 | 59 | 2 ½ | 13.7 | 48 | 6.9 | 11.6 | Drill TD TOH for E Logs |
| 9-19 | 12000 | Nil | | 13.75 | 51 | 6.0 | 10.5 | Run Liner |

Sample Descriptions

Harvest (US) Holdings, Inc. Kettle #1-10-3-1

- 3000-30 SHALE-80% Light gray (30%), brown (30%), green (20%) silty, slightly calcareous, blocky, abundant cement.
SANDSTONE-20% White, light gray, very fine (lower) to fine (lower) grained, clay matrix, calcareous cement, clay filled scattered floating rounded quartz grains.
- 3030-60 SHALE-70% Light gray (30%), brown (20%), maroon (10%), green (10%), silty, firm, blocky to platy, slightly calcareous in part, trace red brown, trace black.
SILTSTONE-20% Light gray, argillaceous, sandy, soft, calcareous.
LIMESTONE-10% Light brown, sandy, argillaceous, mudstone.
- 3060-90 SHALE-90% Light to medium gray (80%), light gray brown (10%), chalky, earthy texture, waxy in part, firm, silty, slightly calcareous.
SILTSTONE-10% Light gray, sandy, argillaceous, soft, firm, micaceous, dolomitic.
- 3090-3120 SHALE-90% Light to medium gray (70%), light gray brown (30%), chalky, earthy texture, waxy in part, firm, silty, slightly calcareous, becoming red brown, silty, blocky, firm.
SILTSTONE-10% Light gray, argillaceous, sandy, micaceous, friable, calcareous.
- 3120-50 SHALE-80% Light to medium gray, light gray green, chalky, earthy texture, waxy in part, firm, silty, slightly calcareous, red brown, silty, blocky, firm, becoming medium to dark gray, carbonaceous, platy, fissile.
SANDSTONE-20% White, light gray, very fine (lower) to fine (lower) grained, sub rounded, friable, calcareous.
- 3150-80 SHALE-90% Light to medium gray, light gray green, chalky, earthy texture, waxy in part, firm, silty, slightly calcareous, red brown, silty, blocky, firm, becoming medium to dark gray, carbonaceous, platy, fissile.
SANDSTONE-10% White, light gray, very fine (lower) to fine (lower) grained, sub rounded, friable, calcareous.
- 3180-3210 SHALE-100% Light gray, silty, slightly calcareous, earthy, medium to dark gray, carbonaceous, platy, fissile, trace light brown, tan, limestone.

- 3210-40 SHALE-100% Light gray, silty, slightly calcareous, earthy, medium to dark gray, carbonaceous, platy, fissile, trace light brown, tan, limestone, trace red brown, blocky, firm, trace light gray, white, very fine grained, sub angular well sorted, clay matrix and cemented sandstone.
- 3240-70 SHALE-70% Light to medium gray, blocky, fissile, firm, light gray to white sandstone, as above.
LIMESTONE-30% Light brown, tan, chalky to crystalline, mudstone.
- 3270-3300 SHALE-90% Light gray, silty, slightly calcareous, earthy, firm, blocky.
SANDSTONE-10% White, light gray, salt and pepper, fine (lower) to fine (upper) grained, sub angular, poor sorted, clay matrix, calcareous cement, clay filled, tight.
- 3300-30 SHALE-90% Medium to dark gray brown, tan, light brown, dolomitic, firm to hard, dense.
SANDSTONE-10% White, light gray, salt and pepper, fine (lower) to fine (upper) grained, sub angular, poor sorted, clay matrix, calcareous cement, clay filled, tight.
- 3330-60 SHALE-80% Light gray, white, silty, chalky.
SILTSTONE-20% Light to medium gray, splintery, platy, firm, blocky.
- 3360-90 SILTSTONE-20% Light to medium gray, splintery, platy, firm, blocky.
SHALE-80% Light gray, gray brown, blocky, firm, silty, blocky.
- 3390-3420 SHALE-60% Light gray, white, silty, chalky, firm, limey to dolomitic.
SANDSTONE-40% Light gray, salt and pepper, fine (lower) to fine (upper) grained, sub angular, poor sorted, clay matrix, calcareous cement, clay filled, tight.
- 3420-50 SHALE-60% Light gray, white, silty, chalky, firm, limey to dolomitic.
SANDSTONE-40% White, very fine (lower) to fine (upper) grained, sub angular, poor sorted, clay matrix, calcareous cement, clay filled, tight.
- 3450-80 SANDSTONE-100% White, salt and pepper, very fine (upper) to medium (lower) grained, sub angular, poor sorted, clay matrix, calcareous cement, clay filled, floating quartz grains, 3% unconsolidated, tight.
- 3480-3510 SHALE-70% White, silty, chalky, firm to hard, blocky, limey to dolomitic.
SANDSTONE-30% White, very fine (lower) to fine (upper) grained, sub angular, poor sorted, clay matrix, calcareous cement, clay filled, tight.

- 3510-40 SHALE-90% Medium to dark gray brown, firm, blocky, limey to dolomitic.
SANDSTONE-10% White, very fine (lower) to fine (upper) grained, sub angular, poor sorted, clay matrix, calcareous cement, clay filled, tight.
- 3540-70 SHALE-70% Medium to dark gray, blocky, firm.
SANDSTONE-30% Light gray, light gray brown, very fine (upper) to fine (upper) grained, sub angular, poor sorted, clay matrix, calcareous cement, clay filled, tight.
- 3570-3600 SHALE-90% Brown, waxy, blocky, firm, light gray, silty, sandy, firm, calcareous.
SILTSTONE-10% Light gray, arenaceous, argillaceous, slightly calcareous, firm.
- 3600-30 SHALE-80% Brown (60%), waxy, blocky, firm, light gray (20%), silty, sandy, firm, calcareous.
SILTSTONE-20% Light gray, arenaceous, argillaceous, slightly calcareous, firm.
- 3630-60 SHALE-70% Light to medium gray brown, blocky, firm, waxy.
SANDSTONE-20% Light gray, light gray brown, very fine (upper) to fine (lower) grained, sub angular, poor sorted, clay matrix, calcareous cement, clay filled, tight.
LIMESTONE-10% Light brown, tan, chalky to crystalline, mudstone.
- 3660-90 SHALE-80% Light to medium gray brown, blocky, firm, waxy
SANDSTONE-20% Light gray brown, very fine (upper) to fine (upper) grained, sub angular, poor sorted, clay matrix and cement, friable, clay filled, tight.
- 3690-3720 SHALE-90% Medium to dark gray brown, fissile, platy, blocky, firm.
SANDSTONE-10% Light gray brown, very fine (upper) to fine (upper) grained, sub angular, poor sorted, clay matrix and cement, friable, clay filled, tight.
- 3720-50 SHALE-30% Medium to dark gray brown, fissile, platy, blocky, firm, light gray salt and pepper in part.
SANDSTONE-70% Light gray brown, very fine (upper) to fine (upper) grained, sub angular, poor sorted, clay matrix and cement, friable, clay filled, tight.
- 3750-80 SHALE-80% Tan to dark brown, blocky, firm, limey, milky yellow cut fluorescence.
SANDSTONE-20% Light gray brown, very fine (upper) to fine (upper) grained, sub angular, poor sorted, clay matrix and cement, friable, clay filled, tight.
- 3780-3810 SHALE-100% Tan to brown, earthy, blocky, soft to firm, earthy, limey, streaming yellow cut.

- 3810-40 SHALE-100% Tan to brown (80%), light to medium gray (20%), earthy, blocky, calcareous, soft to firm.
- 3840-70 SHALE-100% Brown (60%), light to medium gray (40%), marly, blocky, firm.
- 3870-3900 SHALE-60% Brown, marly, blocky, soft to firm, earthy, limey, milky yellow cut fluorescence.
LIMESTONE-40% Tan, light brown, mudstone, argillaceous, very soft.
- 3900-30 SHALE-40% Brown, marly, blocky, soft to firm.
LIMESTONE-60% Tan, light brown, mudstone, argillaceous, very soft.
- 3930-60 LIMESTONE-60% Tan, light brown, mudstone, argillaceous, chalky, very soft.
SHALE-40% Brown, marly, blocky, soft to firm, streaming yellow cut fluorescence.
- 3960-90 LIMESTONE-70% Tan, light brown, mudstone, argillaceous, chalky, very soft.
SHALE-30% Brown, marly, blocky, soft to firm.
- 3990-4020 SHALE-70% Brown, marly, blocky, soft to firm, abundant calcite
LIMESTONE-30% Tan, light brown, mudstone, argillaceous, chalky, very soft.
- 4020-50 SHALE-70% Brown, tan, soft to firm, earthy, abundant shell fragments.
LIMESTONE-30% Tan, light brown, mudstone, argillaceous, chalky, very soft.
- 4050-80 SHALE-70% Brown, tan, soft to firm, earthy, abundant shell fragments, mottled with calcite.
LIMESTONE-30% Tan, light brown, mudstone, argillaceous, chalky, very soft.
- 4080-4110 SHALE-100% Brown, tan, soft to firm, earthy, abundant shell fragments, mottled with calcite, slow milky cut fluorescence.
- 4110-40 SHALE-100% Brown, tan, soft to firm, earthy, abundant shell fragments, mottled with calcite, becoming medium to dark gray brown, slow streaming yellow cut.
- 4140-70 SHALE-100% Brown, tan, earthy, soft to firm, marly, scattered shell fragments, milky yellow cut fluorescence.
- 4170-4200 SHALE-100% Brown, tan, earthy, soft to firm, marly, scattered shell fragments, scattered quartz grains, yellow milky cut.
- 4200-30 SHALE-100% Tan, blocky, firm, mottled with calcite, yellow milky cut fluorescence.
- 4230-60 SHALE-100% Tan, blocky, firm, mottled with calcite.

- 4260-90 SHALE-100% Tan, light brown, blocky, slightly calcareous, marly.
- 4290-4320 SHALE-70% Tan, light brown, blocky, slightly calcareous, marly. milky yellow cut fluorescence.
LIMESTONE-30% Tan, light brown, chalky, argillaceous, soft, mudstone.
- 4320-50 SHALE-60% Brown, medium to dark gray brown, blocky, firm, slightly calcareous.
LIMESTONE-40% Tan, light brown, chalky, argillaceous, soft, mudstone.
- 4350-80 SHALE-80% Brown, medium to dark gray brown, blocky, firm, slightly calcareous, becoming dark brown to black, carbonaceous, petroliferous, greasy texture, yellow white milky cut
LIMESTONE-20% Tan, light brown, chalky, argillaceous, soft, mudstone.
- 4380-4410 SHALE-70% Tan, light brown, marly, blocky, fissile, slightly calcareous, firm.
LIMESTONE-30% Tan, light brown, chalky, argillaceous, soft, mudstone.
- 4410-40 SHALE-80% Tan, light brown, marly, blocky, fissile, slightly calcareous, yellow white milky cut fluorescence.
LIMESTONE-20% Tan, light brown, chalky, argillaceous, soft, mudstone.
- 4440-70 SHALE-100% Tan, light brown, marly, blocky, fissile, slightly calcareous, silty in part, milky cut fluorescence.
LIMESTONE-20% Tan, light brown, chalky, argillaceous, soft, mudstone.
- 4470-4500 SHALE-100% Tan, light brown, marly, blocky, fissile, slightly calcareous, silty in part, mottled with fossil fragments (brown chitin from fossil fish), yellow white milky cut.
- 4500-30 SHALE-100% Brown, mottled, with dark brown fossil chitin, firm, slightly calcareous, blocky, marly.
- 4530-60 SHALE-80% Tan, light brown, mottled with white to light tan calcareous fossil fragments, yellow white milky cut.
LIMESTONE-20% Tan, light brown, chalky, argillaceous, soft, mudstone.
- 4560-90 SHALE-80% Medium to dark gray, mottled with calcareous fossil fragments, blocky, firm, marly, abundant black tar on shaker screens.
LIMESTONE-20% Tan, light brown, chalky, argillaceous, soft, mudstone.
- 4590-4620 SHALE-100% Light brown, tan, mottled with white calcite or fossil fragments, firm, block, marly, yellow white milky cut.

- 4620-50 SHALE-100% Light brown, tan, mottled with white calcite or fossil fragments, firm, block, marly, yellow white milky cut.
- 4650-80 SHALE-100% Brown, marly, firm, slightly calcareous, yellow white milky cut.
- 4680-4710 SHALE-100% Brown, marly, firm, slightly calcareous, yellow white milky cut.
- 4710-40 SHALE-100% Brown, marly, firm, slightly calcareous, blocky, yellow white milky cut.
- 4740-4740 SHALE-100% Light gray, calcareous, blocky, fissile, firm, no show.
- 4770-4800 SHALE-100% light gray, light gray brown, calcareous, blocky.
- 4800-30 SHALE-100% light gray brown, calcareous, firm, chalky, silty, marly.
- 4830-60 SHALE-100% light gray brown, calcareous, firm, chalky, silty, marly.
- 4860-90 SHALE-100% light gray brown, calcareous, firm, chalky, silty, marly.
- 4890-4920 SHALE-80% Brown, medium to dark gray brown, blocky, fissile, earthy, marly, greasy texture, yellow white milky cut.
LIMESTONE-20% Tan, light brown, chalky, soft, mudstone.
- 4920-50 SHALE-90% Dark brown to black, mottled, limey, scattered fossil fragments, black asphalt oil on and in sample matrix, petroliferous, carbonaceous, yellow white milky cut.
LIMESTONE-10% Tan, light brown, chalky, soft, mudstone.
- 4950-80 SHALE-90% Dark brown to black, mottled, limey, scattered fossil fragments, black asphalt oil on and in sample matrix, petroliferous, carbonaceous, yellow white milky cut, black tar over shaker.
LIMESTONE-10% Tan, light brown, chalky, soft, mudstone.
- 4980-5010 SHALE-100% Brown, dark brown, blocky, firm, calcareous, earthy, marly, yellow white milky cut, black tar over shaker.
LIMESTONE-10% Tan, light brown, chalky, soft, mudstone.
- 5010-40 SHALE-100% Brown, blocky, firm, calcareous, marly, yellow white milky cut.
- 5040-70 SHALE-100% Brown, dark brown, dark brown to black, carbonaceous, petroliferous, blocky, marly.
- 5100-30 SHALE-100% Brown to dark brown, blocky, firm, calcareous, marly, carbonaceous, yellow white milky cut.

- 5130-60 SHALE-100% Brown to dark brown, blocky, firm, calcareous, marly, carbonaceous, black carbonaceous stringers, yellow white milky cut.
- 5160-90 SHALE-100% Brown, mottled, earthy, marly, blocky, petroliferous, yellow white milky cut.
- 5190-5220 SHALE-100% Brown to dark brown, greasy texture, petroliferous, marly, blocky, yellow white milky cut.
- 5220-50 SHALE-100% Brown to dark brown, greasy texture, petroliferous, marly, blocky, yellow white milky cut.
- 5250-80 SHALE-100% Brown to dark brown, greasy texture, petroliferous, marly, blocky, yellow white milky cut.
- 5280-5310 SHALE-100% Brown to dark brown, marly, blocky, firm, fissile, yellow white milky cut.
- 5310-40 SHALE-100% Brown, platy, blocky, marly, firm, petroliferous, yellow white milky cut.
- 5370-70 SHALE-100% Light brown to brown, platy, fissile, marly, firm, yellow white milky cut.
- 5370-5400 SHALE-100% Brown to dark brown, blocky, fissile, calcareous, silty in part, black petroliferous partings, yellow white milky cut.
- 5400-30 SHALE-100% Brown, dark brown, blocky, firm, slightly calcareous, yellow white milky cut.
- 5430-60 SHALE-100% Brown (60%), dark brown to black (40%), blocky, carbonaceous, petroliferous, firm, slightly calcareous, firm, yellow white milky cut.
- 5460-90 SHALE-100% Brown (40%), dark brown to black (60%), blocky, carbonaceous, petroliferous, firm, slightly calcareous, firm, yellow white milky cut.
- 5490-5520 SHALE-100% Brown (40%), dark brown to black (60%), blocky, carbonaceous, petroliferous, firm, slightly calcareous, fissile, firm, yellow white milky cut.
- 5520-50 SHALE-100% Brown to dark brown, carbonaceous, petroliferous, firm, blocky, slightly calcareous, marly, yellow white milky cut.

- 5550-80 SHALE-60% Tan, light brown, mottled, limey in part, blocky, firm, yellow white milky cut.
LIMESTONE-40% Light gray, light brown, firm to hard, crystalline, mudstone.
- 5580-5610 SHALE-40% Tan, light brown, mottled, limey in part, blocky, firm.
SANDSTONE-40% White, light gray, very fine(lower) to very fine (upper) grained, sub angular, fair to well sorted, clay matrix, calcareous cement, clay filled, tight, light brown stain, pale yellow fluorescence, streaming yellow white milky cut.
LIMESTONE-20% Light gray, light brown, firm to hard, crystalline, mudstone.
- 5610-40 SHALE-50% Tan, light brown, mottled, limey in part, blocky, firm, milky cut.
SANDSTONE-50% Light gray brown, very fine (upper) to very fine (upper) grained, sub angular, fair to well sorted, clay matrix, calcareous cement, clay filled, tight, brown oil stain, pale yellow fluorescence, streaming yellow cut.
- 5640-70 SHALE-80% Light to medium gray (40%), tan to light brown (60%), blocky, firm, silty.
SANDSTONE-20% Light gray brown, very fine (upper) to very fine (upper) grained, sub angular, fair to well sorted, clay matrix, calcareous cement, clay filled, tight, brown oil stain, pale yellow fluorescence, streaming yellow cut.
- 5670-5700 SHALE-100% Light gray to light gray brown, blocky firm,
- 5700-30 SHALE-100% Brown, blocky, firm, marly, yellow white milky cut, yellow residual ring.
- 5730-60 SHALE-100% Brown, blocky, firm, marly, yellow ring cut.
- 5760-90 SHALE-100% Medium to dark gray brown, micro pyritic, blocky, firm.
- 5790-5820 SHALE-80% Brown, dark brown to black, black dead oil partings, carbonaceous, petroliferous, blocky, firm.
SANDSTONE-20% Light gray brown, very fine (upper) to very fine (upper) grained, sub angular, fair to well sorted, clay matrix, calcareous cement, clay filled, tight, brown oil stain, pale yellow fluorescence, streaming yellow cut.
- 5820-50 SHALE-100% Light brown, tan, marly, blocky, mottled, shell fragments, weak milky cut.
- 5850-80 SHALE-100% Light brown to tan, mottled with white calcite or shell fragments.
- 5880-5910 SHALE-100% Light brown (20%), medium to dark brown (80%), blocky, firm, marly, yellow white milky cut.

- 5910-40 SHALE-100% Brown, blocky, calcareous, firm, silty in part, yellow white milky cut.
- 5940-70 SHALE-100% Brown (80%), dark brown (20%), pyrite nodules, blocky, firm, silty, yellow white milky cut.
- 5970-6000 SHALE-60% Light to medium brown, gray brown, blocky, firm, mottled with calcite or fossil fragments.
LIMESTONE 40% Light gray to light brown, argillaceous, firm to hard, dense, mudstone.
- 6000-30 SHALE-100% Light to medium gray brown, mottled with calcite or shell fragments, yellow white milky cut.
- 6030-60 SHALE-100% Light to medium gray brown, micro pyretic, blocky, firm to hard, limey, grades to argillaceous limestone.
- 6060-90 SHALE-100% Light to medium gray brown, micro pyretic, blocky, firm to hard, limey, grades to argillaceous limestone, yellow white milky cut.
- 6090-6120 SHALE-100% Tan-brown (30%), limey, dark brown (70%), blocky, firm, crystalline texture, carbonaceous, calcareous, yellow white milky cut.
- 6120-50 SHALE-100% Brown to dark brown, blocky, firm, carbonaceous, petroliferous, black tar partings, calcareous, yellow white milky cut.
- 6150-80 SHALE-80% Brown to dark gray brown, mottled with calcite or fossil fragments, blocky, firm, carbonaceous and petroliferous, calcareous to limey.
LIMESTONE-20% Light brown, chalky, argillaceous soft, mudstone.
- 6180-6210 SHALE-100% Brown to dark gray brown, mottled with calcite or fossil fragments, blocky, firm, carbonaceous and petroliferous, calcareous to limey, yellow white milky cut.
- 6210-40 LIMESTONE-10% White, cream, light brown, tan, chalky, mudstone.
SHALE-90% Brown to dark brown, blocky, firm, carbonaceous, petroliferous, calcareous, marly.
- 6240-70 SHALE-100% Brown to dark gray brown, blocky, firm, carbonaceous, petroliferous, calcareous, marly, yellow white milky cut.
- 6270-6300 SHALE-100% Medium to dark gray brown, blocky, firm, calcareous, carbonaceous, petroliferous, calcareous, yellow white milky cut.

- 6300-30 SHALE-100% Dark gray to dark gray brown, sooty texture, earthy, blocky, soft to firm, calcareous, yellow white milky cut.
- 6330-60 SHALE-100% Dark gray brown, blocky, firm, fissile, earthy, carbonaceous, petroliferous, calcareous, yellow white milky cut.
- 6360-90 SHALE-100% Brown to dark brown, blocky, earthy, calcareous, firm, carbonaceous, petroliferous, yellow white milky cut.
- 6390-6420 SHALE-100% Dark gray brown to black, black tar inclusions, carbonaceous, petroliferous, blocky, firm, calcareous, yellow white milky cut.
- 6420-50 SHALE-100% Tan to light brown (80%), marly, blocky, limey, dark gray brown, (20%), blocky, carbonaceous, petroliferous, firm, calcareous, yellow white cut fluorescence.
LIMESTONE-10% Light gray brown, firm, crystalline, mudstone.
- 6450-80 SHALE-100% Dark gray brown, blocky, earthy, marly, fissile, carbonaceous, firm, calcareous, brown oil stain, yellow white milky cut.
- 6480-6510 SHALE-100% Medium to dark gray brown, platy, marly, fissile, carbonaceous, firm, calcareous, yellow white milky cut.
- 6510-40 SHALE-100% Medium to dark gray brown, platy, marly, firm, calcareous, carbonaceous, yellow white milky cut.
- 6540-70 SHALE-100% Light gray to light gray brown, silty, blocky, firm, calcareous, yellow white milky cut.
- 6570-6600 SHALE-100% Light gray, silty, blocky, firm, calcareous, yellow white milky cut fluorescence.
- 6600-30 SHALE-100% Light brown, blocky, firm, calcareous, brown in part, blocky, yellow white milky cut.
- 6630-60 SHALE-100% Light gray brown, marly, blocky, firm, calcareous, yellow white milky cut.
- 6660-90 SHALE-100% Light gray brown, marly, firm, calcareous, blocky, silty, yellow white milky cut.
- 6690-6720 SHALE-100% Light gray brown, marly, firm, calcareous, blocky, silty, yellow white milky cut.

- 6720-50 SHALE-70% Light gray brown, marly, firm, calcareous, blocky, silty, milky cut. SANDSTONE-30% Light brown, gray brown, very fine (upper) to fine (lower) grained, sub angular, sub angular, well sorted, calcareous cement, clay matrix, friable, questionable brown oil stain, yellow white milky cut, yellow gold residual ring cut.
- 6750-80 SHALE-100% Light gray, marly, chalky texture, blocky, soft to firm, calcareous, yellow white milky cut.
- 6780-6810 SHALE-100% Brown, blocky, firm, earthy, calcareous to limey, oil stain, yellow white milky cut.
- 6810-40 SHALE-100% Gray brown, marly, blocky, soft to firm, fissile, yellow white milky cut.
- 6840-70 SHALE-100% Light gray, light gray brown, medium to dark gray brown in part.
- 6870-6900 SHALE-100% Medium to dark gray brown, blocky, firm, carbonaceous, petroliferous.
- 6900-30 SHALE-100% Light gray brown (20%), medium to dark gray brown (80%), carbonaceous, petroliferous, yellow white milky cut.
- 6930-60 SHALE-100% Gray brown, earthy, soft to firm, slightly calcareous, yellow white milky cut.
- 6960-90 SHALE-100% Gray brown, soft-firm, earthy, calcareous to limey.
- 6990-7020 SHALE-100% Gray brown, earthy, marly, slightly calcareous, blocky.
- 7020-50 SHALE-100% Light gray (30%), gray brown (50%), dark gray brown to black (20%), blocky, earthy, marly, soft to firm, yellow white milky cut.
- 7050-80 SHALE-100% Gray brown, earthy, marly, soft to firm, blocky, calcareous, yellow white milky cut.
- 7080-7110 SHALE-100% Gray brown, earthy, marly, soft to firm, blocky, calcareous, yellow white milky cut.
- 7110-40 SHALE-100% Light to medium gray brown, marly, earthy, blocky, soft to firm, calcareous, milky cut.

- 7140-70 SHALE-100% Light to medium gray brown, marly, earthy, blocky, soft to firm, calcareous(30%), becoming medium to dark gray brown(70%), blocky, fissile, carbonaceous, petroliferous, scattered black tar inclusions, dark gray brown to black in part, milky yellow cut fluorescence.
- 7170-7200 SHALE-100% Medium to dark gray brown, carbonaceous, earthy, blocky, calcareous, yellow white milky cut.
- 7200-30 SHALE-100% Medium to dark gray brown, carbonaceous, earthy, blocky, calcareous, petroliferous, yellow white milky cut, abundant black oil and tar on sample wash water.
- 7230-60 SHALE-100% Light to medium gray, silty, blocky, firm, slightly calcareous.
- 7260-90 SHALE-100% Light to medium gray, silty, blocky, firm, slightly calcareous.
- 7290-7320 SHALE-100% Light to medium gray, silty, blocky, firm, slightly calcareous.
- 7320-50 SHALE-100% Light to medium gray brown, silty, blocky, firm, slightly calcareous.
- 7350-80 SHALE-100% Light gray to white, marly (20%), light to medium gray brown (50%), earthy, blocky fissile, dark brown to black (30%), carbonaceous, petroliferous, blocky, firm.
- 7380-7410 SHALE-70% Light gray to white, marly (10%), light to medium gray brown (40%), earthy, blocky fissile, dark brown to black (20%), carbonaceous, petroliferous, blocky, firm.
SANDSTONE-30% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight, brown oil stain, fast milky cut fluorescence, yellow gold residual ring cut.
- 7410-40 SHALE-10% Light gray to white, marly, light to medium gray brown, earthy, blocky fissile, dark brown to black, carbonaceous, petroliferous, blocky, firm.
SANDSTONE-90% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight, brown oil stain, fast yellow cut, residual ring, brown black oil over shaker.
- 7440-70 SHALE-30% Light gray to white, marly, blocky, waxy.
SANDSTONE-70% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight, show as above.

- 7470-7500 SHALE-70% Light gray to white, marly, blocky, waxy.
SANDSTONE-30% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight, oil stain, fast yellow cut.
- 7500-30 SHALE-100% Light to medium gray brown, blocky, marly, firm, calcareous, milky cut.
- 7530-60 SHALE-100% Light to medium gray brown, blocky, marly, firm, calcareous, milky cut.
- 7560-90 SHALE-30% Light to medium gray brown, blocky, marly, firm, calcareous.
SANDSTONE-30% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
SILTSTONE-40% Light to medium gray, argillaceous, soft to firm, calcareous.
- 7590-7620 SHALE-60% Light to medium gray, blocky, marly, silty in part, firm, calcareous.
SILTSTONE-40% Light to medium gray, argillaceous, soft to firm, calcareous.
- 7620-50 SHALE-80% Light to medium gray, blocky, marly, silty in part, firm, calcareous.
SILTSTONE-20% Light to medium gray, argillaceous, soft to firm, calcareous.
- 7650-80 SHALE-90% Light to medium gray, blocky, marly, silty in part, firm, calcareous.
SANDSTONE-10% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
- 7680-7710 SHALE-70% Dark gray brown (30%), to black, carbonaceous, petroliferous, light to medium gray (70%), blocky, firm, marly, calcareous, silty, milky cut fluorescence.
SILTSTONE-30% Light to medium gray, argillaceous, soft to firm, calcareous.
- 7710-40 SHALE-100% Dark gray brown (20%), to black, carbonaceous, petroliferous, light to medium gray (80%), blocky, firm, marly, calcareous, silty, milky cut fluorescence.
- 7740-70 SHALE-40% Light to medium gray (70%), blocky, marly, silty in part, firm, calcareous, dark gray brown (20%), to black, carbonaceous, petroliferous, milky cut fluorescence.
SANDSTONE-10% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
SILTSTONE-50% Light to medium gray, argillaceous, soft to firm, calcareous.

- 7770-7800 SHALE-70% Light to medium gray (50%), blocky, marly, silty in part, firm, calcareous, dark gray brown (20%), to black, carbonaceous, petroliferous.
SANDSTONE-30% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
- 7800-30 SHALE-60% Medium to dark gray brown, platy, fissile, petroliferous, carbonaceous, firm, sooty, yellow white milky cut fluorescence.
SILTSTONE-40% Light to medium gray, argillaceous, soft to firm, calcareous, light brown stain, streaming cut.
- 7830-60 SHALE-70% Light to medium gray, firm, calcareous.
SANDSTONE-30% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight, light brown stain, slow milky cut.
- 7860-90 SHALE-50% Light to medium gray, firm, calcareous.
SANDSTONE-50% Light gray, very fine (lower) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
- 7890-7920 SHALE-60% Medium to dark gray brown (20%), light to medium gray, silty, blocky, firm, earthy, marly.
SILTSTONE-40% Light gray brown, argillaceous, arenaceous, soft to firm, limey, slow streaming cut.
- 7920-50 SHALE-60% Light to medium gray, silty, blocky, firm.
SILTSTONE-40% Light gray brown, argillaceous, arenaceous, soft to firm, limey, slow streaming cut.
- 7950-80 SHALE-80% Light to medium gray, silty, blocky, firm.
SILTSTONE-20% Light gray brown, argillaceous, arenaceous, soft to firm, limey.
- 7980-8010 SHALE-100% Medium to dark gray brown, carbonaceous, petroliferous, blocky, firm, earthy, yellow white milky cut.
- 8010-40 SHALE-100% Medium to dark gray brown to black, carbonaceous, petroliferous, blocky, firm, calcareous, yellow white milky cut.
- 804070 SHALE-100% Medium to dark gray brown to black (80%), carbonaceous, petroliferous, blocky, firm, calcareous, light to medium gray, blocky, silty, micro pyritic, yellow white milky cut.
- 8070-8100 SHALE-100% Medium to dark gray brown to black, carbonaceous, petroliferous, blocky, firm, calcareous, yellow white milky cut.

- 8100-30 SHALE-100% Medium to dark gray brown to black, carbonaceous, petroliferous, blocky, firm, limey, calcareous, milky cut.
- 8130-60 SHALE-100% Medium to dark gray brown to black, carbonaceous, petroliferous, blocky, firm, limey, calcareous, milky cut.
- 8160-90 SHALE-100% Medium to dark gray brown, earthy, blocky, carbonaceous, limey, grades to argillaceous limestone, yellow white milky cut.
- 8190-8220 SHALE-50% Medium to dark gray brown to black, carbonaceous, petroliferous, blocky, firm, limey, calcareous.
SANDSTONE-50% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, friable,
- 8220-50 SHALE-30% Dark brown to black (20%), carbonaceous, petroliferous, blocky, firm, limey, calcareous, light to medium gray brown (10%), earthy, blocky, calcareous.
SANDSTONE-70% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, friable.
- 8250-80 SHALE-70% Dark brown to black (10%), carbonaceous, petroliferous, blocky, firm, limey, calcareous, light to medium gray brown (60%), earthy, blocky, calcareous.
SANDSTONE-30% Light gray, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, friable.
- 8280-8310 SHALE-100% Dark brown to black, marly, sooty texture, carbonaceous, petroliferous, blocky, firm, limey, calcareous.
- 8310-40 SHALE-100% Dark brown to black, marly, sooty texture, carbonaceous, petroliferous, blocky, firm, limey, calcareous.
- 8340-70 SHALE-40% Dark brown to black, marly, sooty texture, carbonaceous, petroliferous, blocky, firm, limey, calcareous.
LIMESTONE-60% Medium to dark brown, argillaceous, chalky, soft.
- 8370-8400 SHALE-60% Medium to dark brown, limey, earthy, marly, sooty texture, carbonaceous, petroliferous, blocky.
LIMESTONE-40% Medium to dark brown, argillaceous, chalky, soft.
- 8400-30 LIMESTONE-40% Medium to dark brown, argillaceous, lithographic mudstone.
SHALE-60% Medium to dark brown, limey, earthy, marly, sooty texture, carbonaceous, petroliferous, blocky.

- 8430-60 LIMESTONE-30% Medium to dark brown, argillaceous, lithographic mudstone.
SHALE-70% Medium to dark brown, limey, earthy, marly, sooty texture, carbonaceous, petroliferous, blocky.
- 8460-90 SHALE-80% Medium to dark brown, calcareous, earthy, marly, sooty texture, carbonaceous, petroliferous, firm, blocky, milky cut.
LIMESTONE-20% Medium to dark brown, argillaceous, lithographic mudstone.
- 8490-8520 SHALE-40% Medium to dark brown, calcareous, earthy, marly, sooty texture, carbonaceous, petroliferous, firm, blocky.
LIMESTONE-60% Medium to dark brown, argillaceous, lithographic mudstone.
- 8520-50 LIMESTONE-60% Medium to dark brown, argillaceous, lithographic mudstone.
SHALE-40% Medium to dark brown, calcareous, earthy, marly, sooty texture, carbonaceous, petroliferous, firm, blocky.
- 8550-80 SHALE-50% Medium to dark brown, calcareous, earthy, marly, sooty texture, carbonaceous, firm, blocky, limey, grades to argillaceous limestone (30%).
LIMESTONE-50% Medium to dark brown, argillaceous, lithographic mudstone.
- 8580-8610 SHALE-50% Medium to dark brown (20%), calcareous, earthy, marly, sooty texture, carbonaceous, firm, blocky, limey, grades to argillaceous limestone (20%), becoming dark brown to black, petroliferous, carbonaceous, firm, blocky (10%).
LIMESTONE-50% Medium to dark brown, argillaceous, lithographic mudstone.
- 8610-40 LIMESTONE-70% Light gray brown, lithographic, argillaceous, mudstone.
SHALE-30% Dark brown to black, petroliferous, carbonaceous, firm, blocky.
- 8640-70 LIMESTONE-70% Light gray brown, lithographic, argillaceous, mudstone.
SHALE-30% Dark brown to black, petroliferous, carbonaceous, firm, blocky.
- 8670-8700 SHALE-10% Light to medium gray, marly, soft, limey (50%), medium to dark gray brown, carbonaceous (40%).
SILTSTONE-20% Light gray, arenaceous, argillaceous, limey, firm, sandy in part.
LIMESTONE-50% Light gray, light gray brown, argillaceous, lithographic, mudstone.
SANDSTONE-20% White, salt and pepper, very fine (upper) to fine (lower) grained, sub rounded, well sorted, clay matrix, calcareous cement, tight, no show.

- 8700-30 Limestone-40% Light gray, light gray brown, argillaceous, lithographic, mudstone.
Siltstone-20% Light gray, arenaceous, argillaceous, limey, firm, sandy in part.
Shale-40% Light to medium gray, marly, soft, limey (50%), medium to dark gray brown, carbonaceous (40%).
- 8730-60 Shale-10% Medium to dark gray, blocky, firm, limey, carbonaceous, light gray in part.
Sandstone-90% Light gray, salt and pepper, very fine (upper) to fine (lower) grained, sub angular, fair to well sorted, clay matrix, calcareous cement, friable.
- 8760-90 Shale-60% Medium to dark gray brown, limey, carbonaceous, petroliferous, dark brown to black in part, blocky, firm.
Sandstone-10% Light gray, salt and pepper, very fine (upper) to fine (lower) grained, sub angular, fair to well sorted, clay matrix, calcareous cement, friable.
Limestone-30% Light gray, light gray brown, argillaceous, lithographic, mudstone.
- 8790-8820 Shale-70% Medium to dark gray brown, limey, carbonaceous, petroliferous, dark brown to black in part, blocky, firm.
Limestone-30% Light gray, light gray brown, argillaceous, lithographic, mudstone.
- 8820-50 Shale-90% Light to medium gray, silty, blocky, firm, medium to dark gray brown (20%).
Limestone-10% Light gray, arenaceous, argillaceous, mudstone, firm.
- 8850-80 Shale-100% Light to medium gray (30%), silty, blocky, firm, medium to dark brown (70%), silty.
- 8880-8910 Shale-70% Medium to dark gray brown, blocky, firm, calcareous, carbonaceous.
Sandstone-30% White, clear, quartzose, fine (upper) to medium (upper) grained, sub angular to sub rounded, poor sorted, unconsolidated.
- 8910-40 Shale-50% Medium to dark gray brown, blocky, firm, calcareous, carbonaceous.
Sandstone-50% White, very fine (upper) to fine (lower) grained, sub angular, well sorted, clay matrix, calcareous cement, tight.

- 8940-70 SHALE-10% Medium to dark gray brown, blocky, firm, calcareous, carbonaceous.
SANDSTONE-90% Light gray brown, silt to very fine (lower) grained, sub angular, well sorted, clay matrix, calcareous cement, tight.
SILTSTONE-20% Light gray brown, arenaceous, argillaceous, firm, calcareous.
- 8970-9000 SHALE-70% Medium to dark gray brown, blocky, firm, calcareous, carbonaceous.
SANDSTONE-20% Light gray brown, silt to very fine (lower) grained, sub angular, well sorted, clay matrix, calcareous cement, tight.
SILTSTONE-10% Light gray brown, arenaceous, argillaceous, firm, calcareous.
- 9000-30 SHALE-40% Light medium gray brown (20%), blocky, firm, marly, medium to dark gray brown, to black (20%), carbonaceous.
SANDSTONE-30% Light gray to white, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
SILTSTONE-30% Light gray, argillaceous, arenaceous, friable, calcareous.
- 9030-60 SHALE-30% Light gray to white (10%), marly, soft to firm, marly, medium to dark gray brown, to black (10%), carbonaceous, milky cut fluorescence, light to medium gray, (10%).
SANDSTONE-40% Light gray to white, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
CLAYSTONE-30% White, light gray, arenaceous, friable, calcareous.
- 9060-90 CLAYSTONE-70% Light gray to white (70%), marly, soft to firm, marly.
SHALE- 30% Dark gray brown to dark brown (10%), carbonaceous, petroliferous in part, milky cut fluorescence, light to medium gray brown, (20%).
- 9090-9120 CLAYSTONE-60% Light gray (50%), marly, soft to firm, white (10%), blocky, carbonaceous, earthy.
SANDSTONE-20% White, light gray brown, very fine (lower) to fine (lower) grained, sub angular, fair to well sorted, clay matrix, calcareous cement, clay filled, tight, no show.
SHALE-20% Light gray brown, blocky, firm to soft.
- 9120-50 CLAYSTONE-90% White, soft, calcareous.
SHALE-10% Light gray brown, marly, soft to firm.
- 9150-80 CLAYSTONE-70% White, soft, calcareous.
SHALE-30% Medium to dark gray brown, carbonaceous, silty, blocky, soft to firm.

- 9180-9210 CLAYSTONE-60% White, soft, calcareous.
SHALE-20% Medium to dark gray brown, carbonaceous, blocky, soft to firm.
SANDSTONE-20% White, light gray, salt and pepper, very fine (upper) to fine (upper) grained, sub angular, fair to poor sorted, clay matrix, calcareous cement, friable, 1% unconsolidated loose quartz grains, tight, no show.
- 9210-40 SHALE-90% Light to medium gray brown, blocky, firm, earthy, carbonaceous.
SANDSTONE-10% White, light gray, salt and pepper, very fine (upper) to fine (upper) grained, sub angular, fair to poor sorted, clay matrix, calcareous cement, friable, 1% unconsolidated loose quartz grains, tight, no show.
- 9240-70 SHALE-40% Light to medium gray brown, blocky, firm, earthy, carbonaceous.
SANDSTONE-60% White, light gray, salt and pepper, very fine (upper) to fine (upper) grained, sub angular, fair to poor sorted, clay matrix, calcareous cement, friable, 1% unconsolidated loose quartz grains, tight, no show.
- 9270-9300 LIMESTONE-30% Light gray brown, argillaceous, lithographic, mudstone.
SHALE-70% Medium to dark gray brown, carbonaceous, petroliferous, blocky, firm.
- 9300-30 SHALE-70% Light brown, tan (50%), light to medium gray (10%), dark brown to black (10%), blocky, earthy, firm, silty, marly.
SILTSTONE-30% Light gray green, argillaceous, limey, white clay matrix.
- 9330-60 SHALE-60% Light brown, tan (40%), light to medium gray (10%), dark brown to black (10%), blocky, earthy, firm, silty, marly.
SILTSTONE-30% Light gray green, argillaceous, limey, white clay matrix.
SANDSTONE-10% Light gray, salt and pepper, very fine (lower) to fine (lower) grained, sub angular, fair well sorted, clay matrix, calcareous cement, tight, no show
- 9360-90 SHALE-60% Light brown, tan (40%), light to medium gray (10%), dark brown to black (10%), blocky, earthy, firm, silty, marly.
SANDSTONE-20% Light gray, very fine (upper) to fine (lower) grained, sub angular, fair to well sorted, clay matrix, calcareous cement, friable, tight, no show.
SILTSTONE-20% Light gray green, argillaceous, limey, white clay matrix.
- 9390-9420 SHALE-100% Light brown, tan (70%), light to medium gray (20%), dark brown to black (10%), blocky, earthy, firm, silty, marly.
- 9420-50 SHALE-100% Light to medium gray (20%), blocky, firm, blocky, silty, light gray to white (70%), marly, soft, dark brown to black (10%), carbonaceous, petroliferous, blocky, earthy, firm, silty, marly, trace red brown.

- 9450-80 SHALE-100% Light to medium gray (20%), blocky, firm, blocky, silty, light gray to white (60%), marly, soft, dark brown to black (10%), carbonaceous, petroliferous, blocky, earthy, firm, silty, marly, red brown (10%), lavender, maroon, silty, calcareous.
- 9480-9510 SHALE-50% Light to medium gray (20%), blocky, firm, blocky, silty, light gray to white (10%), marly, soft, dark brown to black (10%), carbonaceous, petroliferous, blocky, earthy, firm, silty, marly, red brown (10%), lavender, maroon, silty, calcareous.
SANDSTONE-50% Light gray, white, very fine (upper) to fine (upper) grained, fair to well sorted, clay matrix, calcareous cement, clay matrix, clay filled, tight, no show.
- 9510-40 SHALE-40% Light to medium gray, blocky, firm, blocky, silty.
SANDSTONE-60% Light gray, white, very fine (upper) to fine (upper) grained, fair to well sorted, clay matrix, calcareous cement, clay matrix, clay filled, tight, no show.
- 9540-70 SHALE-70% Light to medium gray, blocky, firm, blocky, silty.
SANDSTONE-30% Light gray, white, very fine (upper) to fine (upper) grained, fair to well sorted, clay matrix, calcareous cement, clay matrix, clay filled, tight, no show.
- 9570-9600 SHALE-90% Red brown, mottled, limey, tan, light brown, earthy, calcareous.
SANDSTONE-10% Light gray, white, gray brown, very fine (upper) to fine (upper) grained, fair to well sorted, clay matrix, calcareous cement, clay matrix, clay filled, tight, no show.

- 9600-30 SHALE-100% Light to medium gray (90%), soft to firm, blocky, firm, blocky, calcareous to limey, red brown (10%), blocky, earthy, marly, firm, calcareous.
- 9630-60 SHALE-80% Medium to dark gray (30%), soft to firm, blocky, firm, blocky, calcareous to limey, red brown (50%), blocky, earthy, marly, firm, calcareous.
SILTSTONE-20% Light gray to white, arenaceous, argillaceous, calcareous, clay filled.
- 9660-90 SHALE-100% Red brown, light brown, blocky, earthy, marly, firm, calcareous to limey.
- 9690-9720 SHALE-100% Light to medium gray (90%), soft to firm, blocky, firm, blocky, calcareous to limey, red brown (10%), blocky, earthy, marly, firm, calcareous.
- 9720-50 SHALE-100% Light gray to white, marly, limey, grades to argillaceous lithograph limestone.
- 9750-80 SHALE-100% White to gray brown, marly, limey, sandy, chalky.
- 9780-9810 SHALE-100% Red brown (50%), light gray (50%), limey, earthy, marly, soft to firm.
- 9810-40 SHALE-20% White to light gray, sandy, silty, grades to sandstone, friable.
LIMESTONE-20% White, light gray, argillaceous, soft to firm, mudstone.
CLAYSTONE-60% White, light gray, blocky, soft, calcareous.
- 9840-70 SHALE-50% Red brown (60%), light gray (40%), marly, limey, soft to firm.
LIMESTONE-50% White, light gray, argillaceous, soft to firm, mudstone.

- 9870-9900 SHALE-60% Red brown (40%), light gray (60%) marly, limey, soft to firm.
CLAYSTONE-40% White, light gray, blocky, soft, calcareous.
- 9900-30 SHALE-80% Red brown (80%), light gray (20%) marly, limey, soft to firm.
CLAYSTONE-20% White, light gray, blocky, soft, calcareous.
- 9930-60 LIMESTONE-100% Light gray brown, lithographic, argillaceous, mudstone.
- 9960-90 SHALE-20% Light gray, light gray brown, blocky, earthy, limey, silty.
LIMESTONE-80% Light gray brown, lithographic, argillaceous, mudstone.
- 9990-10020 SHALE-10% Red brown, blocky, calcareous, firm.
LIMESTONE-90% Tan, light gray brown, argillaceous, lithographic, mudstone.
- 10020-50 LIMESTONE-100% Tan, cream, silty, sucrosic texture, argillaceous,
lithographic, mudstone.
- 10050-80 SHALE-30% Light gray, light gray brown, silty, soft to firm, calcareous to limey.
SANDSTONE-10% Light gray, very fine (lower), to very fine (upper) grained,
sub angular, well sorted, clay matrix, calcareous cement, clay filled, friable, tight.
LIMESTONE-60% Tan, cream, silty, sucrosic texture, argillaceous, lithographic,
mudstone.
- 10080-10110 SHALE-30% Light gray brown, soft, marly, blocky.
LIMESTONE-70% Tan, cream, silty, sucrosic texture, argillaceous, lithographic,
mudstone.
- 10110-40 SHALE-100% Light gray brown, soft, marly, blocky, medium to dark gray
brown, carbonaceous, limey.

- 10140-70 SHALE-100% Light gray, limy, grades to lithographic mudstone (80%), medium to dark gray, carbonaceous, (20%).
- 10170-200 SHALE-30% Light gray brown, limy, (20%), blocky, soft to firm, medium to dark gray (10%), carbonaceous, blocky, earthy, firm, calcareous.
CLAYSTONE-70% White, light gray, blocky, soft, limy.
- 10200-30 SHALE-20% Light to medium gray, blocky, firm, calcareous, light gray brown, as above.
CLAYSTONE-50% White, light gray, blocky, soft, limy.
SILTSTONE-30% Light gray, blocky, arenaceous, argillaceous, calcareous, firm.
- 10230-60 SHALE-10% White to light gray, light to medium gray in part, blocky, soft to firm.
SANDSTONE-10% Light gray brown, very fine (lower) to fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
CLAYSTONE-80% White, light gray, blocky, soft, limy.
- 10260-90 SHALE-10% Light gray to white, chalky, soft to firm, grades to lithographic mudstone.
CLAYSTONE-90% White, light gray, blocky, soft, limy.
- 10290-320 SHALE-50% Light to medium gray (30%), medium to dark gray brown (10%), red brown (10%), carbonaceous in part, blocky, soft to firm, calcareous.
SANDSTONE-20% Light gray to white, silt to very fine (upper), sub angular, well sorted, clay matrix, calcareous cement, friable, clay filled.
CLAYSTONE-30% White, light gray, blocky, soft, limy.

- 10320-50 SHALE-60% Light to medium gray (30%), medium to dark gray brown (20%), red brown (10%), carbonaceous in part, blocky, soft to firm, calcareous.
LIMESTONE-10% Light brown to tan, chalky, soft, silty, lithographic, mudstone.
CLAYSTONE-30% White, light gray, blocky, soft, limey.
- 10350-80 SHALE-20% Light to medium gray, marly, limey, soft, bit flour.
CLAYSTONE-80% White, light gray, blocky, soft, limey.
- 10380-410 SHALE-30% Light to medium gray, marly, limey, soft, bit flour.
CLAYSTONE-60% White, light gray, blocky, soft, limey.
SANDSTONE-10% Light gray, silt to very fine (lower) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
- 10410-40 SHALE-30% Light to medium gray (20%), white to light gray (10%), trace red brown, , marly, limey, soft, bit flour.
SANDSTONE-10% Light gray, silt to very fine (lower) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
CLAYSTONE-60% White, light gray, blocky, soft, limey.
- 10440-70 SHALE-50% Light to medium gray (30%), white to light gray (20%), trace red brown, , marly, limey, soft, bit flour.
SANDSTONE-10% Light gray, silt to very fine (lower) grained, sub angular, well sorted, clay matrix, calcareous cement, clay filled, tight.
CLAYSTONE-40% White, light gray, blocky, soft, limey.

- 10470-500 SHALE-50% Light to medium gray, (20%), red brown (10%), medium to dark gray (10%), light brown, cream, tan (10%), abundant calcite nodules (?LCM), soft to firm, marly, grades to lithographic mudstone.
 CLAYSTONE-40% White, light gray, blocky, soft, limey.
 SANDSTONE-10% Light gray, salt and pepper, very fine (lower) grained, sub angular, well sorted, calcareous cement, tight, no show
- 10500-30 SHALE-60% Light to medium gray, limey, soft to firm, chalky texture in part, bit flour.
 CLAYSTONE-30% White, light gray, blocky, soft, limey.
 SANDSTONE-10% Light gray, salt and pepper, very fine (lower) grained, sub angular, well sorted, calcareous cement, tight, no show
- 10530-60 SHALE-50% Light to medium gray (30%), medium to dark gray (10%), dark gray brown (10%), bit flour, soft to firm, limey, 20-30% carbonate, 70-80% argillite.
 CLAYSTONE-40% White, light gray, blocky, soft, limey.
 SANDSTONE-10% Light gray, salt and pepper, very fine (lower) grained, sub angular, well sorted, calcareous cement, tight, no show
- 10560-90 SHALE-60% Light gray to white (40%), soft, chalky, bit flour, limey, soft to firm, medium to dark gray brown (20%), carbonaceous.
 CLAYSTONE-40% White, light gray, blocky, soft, limey.
 LIMESTONE-10% Tan, white, soft to firm, argillaceous, mudstone.
- 10590-620 SHALE-50% Light gray to white, soft to firm, silty, blocky, limey, bit flour.
 CLAYSTONE-20% White, light gray, blocky, soft, limey.
 SILTSTONE-30% Light gray, salt and pepper, argillaceous, sandy, firm, calcareous.

- 10620-50 SHALE-30% Light gray to white (20%), soft to firm, silty, blocky, limey, bit flour, gray (10%), blocky, firm, limey.
SILTSTONE-30% Light gray, salt and pepper, argillaceous, sandy, firm, calcareous.
LIMESTONE-40% Tan, white, soft to firm, argillaceous, mudstone.
- 10650-80 SHALE-60% Light gray (50%), soft, marly, limey bit flour, light brown (10%), soft, marly.
SILTSTONE-20% Light gray, salt and pepper, argillaceous, sandy, firm, calcareous.
LIMESTONE-20% Tan, white, soft to firm, argillaceous, mudstone.
- 10680-710 SHALE-40% Light gray to white, soft, limey, bit flour, light to medium gray, blocky, limey, firm, silty in part.
SILTSTONE-40% Light gray, salt and pepper, argillaceous, sandy, firm, calcareous.
SANDSTONE-20% Light gray, salt and pepper, very fine (lower) grained, sub angular, well sorted, calcareous cement, tight, no show
- 10710-40 SHALE-50% Light gray to white, soft, limey, bit flour.
SILTSTONE-30% Light gray, salt and pepper, argillaceous, sandy, firm, calcareous.
SANDSTONE-20% Light gray, salt and pepper, very fine (lower) grained, sub angular, well sorted, calcareous cement, tight, no show
- 10740-70 SHALE-40% Light gray to white, soft, limey, bit flour.
SILTSTONE-30% Light gray, arenaceous, argillaceous, calcareous.
SANDSTONE-30% Light gray, salt and pepper, very fine (lower) grained, sub angular, well sorted, calcareous cement, tight, no show

- 10770-800 SHALE-60% Light to medium gray, calcareous, firm, earthy, blocky, firm.
SILTSTONE-30% Light gray, arenaceous, argillaceous, calcareous.
SANDSTONE-10% Light gray, salt and pepper, very fine (lower) grained, sub angular, well sorted, calcareous cement, tight, no show
- 10800-30 SHALE-80% Light to medium gray, calcareous, firm, earthy, blocky, firm, (80%), medium to dark gray brown (20%), carbonaceous, firm, calcareous.
SILTSTONE-20% Light gray, arenaceous, argillaceous, calcareous.
- 10830-60 SHALE-60% Light to medium gray, calcareous, firm, earthy, blocky, firm (40%), medium to dark gray brown (20%), carbonaceous, firm, calcareous, black, bitumen in matrix.
SILTSTONE-40% Light gray, arenaceous, argillaceous, calcareous.
- 10860-90 SHALE-90% Medium to dark gray, carbonaceous, petroliferous, blocky, firm, calcareous.
SILTSTONE-10% Light gray, arenaceous, argillaceous, calcareous.
- 10890-920 SHALE-50% Medium to dark gray, carbonaceous, petroliferous, blocky, firm, calcareous.
SANDSTONE-30% Light gray, salt and pepper, very fine (lower) to very fine (upper) grained, sub angular, well sorted, clay matrix, calcareous cement, friable, clay filled, tight.
SILTSTONE-20% Light gray, arenaceous, argillaceous, calcareous.

- 10920-50 SHALE-50% Medium to dark gray, carbonaceous, petroliferous, blocky, firm, calcareous.
 SANDSTONE-40% Light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular, fair to poor sorted, clay matrix, calcareous cement, friable, no oil fluorescence, no oil stain, yellow white milky cut fluorescence, yellow gold residual ring cut, 3% unconsolidated loose quartz grains.
 SILTSTONE-10% Light gray, arenaceous, argillaceous, calcareous.
- 10950-72 SHALE-30% Medium to dark gray, carbonaceous, firm.
 SANDSTONE-70% Light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular, fair to poor sorted, clay matrix, calcareous cement, friable, no oil fluorescence, no oil stain, yellow white milky cut fluorescence, yellow gold residual ring cut, 5% unconsolidated loose quartz grains.
- 10972-80 Cement after setting casing
 SHALE-60% dark gray black, platy-blocky, carbonaceous, soft, calcareous
- 10980-11010 Cement-20%
 SHALE 60% dark gray black, platy-blocky, carbonaceous, soft, calcareous
 SANDSTONE-20% white light gray, salt and pepper, very fine (upper) to fine (upper) grain, sub angular, moderately sorted, clay matrix, carbonaceous inclusions, tight, friable, calcareous cement, no show
- 11010-40 SHALE-90% dark gray black, platy-blocky, carbonaceous, soft, calcareous
 SANDSTONE-10% white light gray, salt and pepper, very fine (upper) to fine (upper) grain, sub angular, moderately sorted, clay matrix, carbonaceous inclusions, tight, friable, calcareous cement, no show

- 11040-70 SHALE-90% light gray graygreen (90%) black dark gray(10%), blocky-platy, earthy, soft-firm, calcareous
SANDSTONE-10% white light gray, salt and pepper, very fine (upper) to fine (upper) grain, sub angular, moderately sorted, clay matrix, carbonaceous inclusions, tight, friable, calcareous cement, no show
- 11070-11100 SANDSTONE-100% white clear frosted, salt and pepper, fine (lower) to medium (upper) grained, sub angular, moderate to poorly sorted, predominately clean, occasional white clay matrix, fair visible porosity 8-10%, friable, calcareous cement, no stain, no Florence, weak milky cut
- 11100-30 SHALE-80% black dark gray, blocky to platy, earthy, carbonaceous, soft, calcareous
SANDSTONE-20% white light gray, salt and pepper, very fine (upper) to fine (upper) grained, sub angular, moderately sorted, white clay matrix, poor visible porosity, friable, calcareous cement, no show
- 11130-60 SHALE-100% black dark gray, blocky to platy, earthy, carbonaceous, soft, calcareous
- 11160-90 SHALE-90% black dark gray, blocky to platy, earthy, carbonaceous, soft, calcareous
SANDSTONE-10% white frosted, salt and pepper, , very fine (upper) to fine (upper) grained, sub angular, moderately sorted, white clay matrix, poor visible porosity, unconsolidated in part, friable, calcareous cement, no show

- 11190-11220 SHALE-10% black dark gray, blocky to platy, earthy, carbonaceous, soft, calcareous
SANDSTONE-90% light to medium gray, very fine (lower) to fine (lower) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, tight, friable, calcareous cement, no show
- 11220-50 SHALE-70% black dark gray, blocky to platy, earthy, very carbonaceous, soft, calcareous
SANDSTONE-30% light to medium gray, very fine (lower) to fine (lower) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, tight, friable, calcareous cement, no show
- 11250-80 SHALE-30% black dark gray, blocky to platy, earthy, very carbonaceous, soft, calcareous
SANDSTONE-70% light to medium gray, very fine (lower) to fine (lower) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, tight, friable, calcareous cement, no show
- 11280-11310 SHALE-20% black dark gray, blocky to platy, earthy, very carbonaceous, soft to firm, calcareous
SANDSTONE-80% light to medium gray, salt and pepper, very fine (lower) to fine (lower) grained, sub angular, well sorted, white clay matrix, carbonaceous inclusions, tight, friable, calcareous cement, no show
- 11310-40 SHALE-40% black light to dark gray, blocky to platy, earthy, very carbonaceous, soft to firm, calcareous
SANDSTONE-60% light to medium gray, salt and pepper, very fine (lower) to medium (lower) grained, sub angular to sub rounded, moderately sorted, unconsolidated in part, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show

- 11340-70 SHALE-20% % black light to dark gray, blocky to platy, earthy, very carbonaceous, soft to firm, calcareous
SANDSTONE-80% white clear frosted light gray, very fine (lower) to medium (lower) grained, sub angular to sub rounded, moderately sorted, unconsolidated in part, white clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show
- 11370-11400 SHALE-20% % black light to dark gray, blocky to platy, earthy, very carbonaceous, soft to firm, calcareous
SANDSTONE-80% white clear frosted light gray, very fine (lower) to medium (lower) grained, sub angular to sub rounded, moderately sorted, unconsolidated in part, white clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show
- 11400-30 SHALE-100 % red brown brick red light brown(80%) light gray black(20%), blocky to platy, earthy, soft, very calcareous
- 11430-60 SHALE-90% variegated red brown brown (70%) light-medium gray black (30%), blocky to platy, earthy, soft, very calcareous
SANDSTONE-10% white light gray, very fine (lower) grained, sub angular, well sorted, white clay matrix, firm, tight, calcareous, no show
- 11460-90 SHALE-90% variegated red brown brown (80%) light-medium gray black (20%), blocky to platy, earthy, soft, very calcareous
SANDSTONE-10% white light gray, very fine (lower) grained, sub angular, well sorted, white clay matrix, firm, tight, calcareous, no show
- 11490-11520 SHALE-100% variegated red brown brown (90%) light to medium gray black (10%) platy to blocky, earthy, soft, calcareous

- 11520-50 SHALE-10% variegated red brown brown (90%) light to medium gray black (10%) platy to blocky, earthy, soft, calcareous
SANDSTONE-90% clear white frosted, very fine (lower) to medium (lower) grained, sub rounded to sub angular, moderately sorted, white clay matrix, predominately unconsolidated, poor visible porosity, friable, calcareous, no show
- 11550-80 SHALE-80% red brown brown (90%) light to medium gray black (10%), blocky to platy, earthy, soft, calcareous
SANDSTONE-20% clear white frosted, very fine (lower) to medium (lower) grained, sub rounded to sub angular, moderately sorted, white clay matrix, predominately unconsolidated, poor visible porosity, friable, calcareous, no show
- 11580-11610 SHALE-90% red brown brown (90%) light to medium gray black (10%), blocky to platy, earthy, soft, calcareous
SANDSTONE-10% clear white frosted, very fine (lower) to medium (lower) grained, sub rounded to sub angular, moderately sorted, white clay matrix, predominately unconsolidated, poor visible porosity, friable, calcareous, no show
- 11610-40 SHALE-50% red brown brown (80%) light to medium gray(20%) sub blocky-platy, earthy, soft, calcareous
SILTSTONE-20% light gray, argillaceous, , arenaceous, soft, calcareous
SANDSTONE-30% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, well sorted, white clay matrix, poor visible porosity, friable, calcareous, no show
- 11640-70 SHALE-70% red brown brown (80%) light to medium gray(20%) sub blocky-platy, earthy, soft, calcareous
SANDSTONE-30% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, well sorted, white clay matrix, poor visible porosity, friable, calcareous, no show

11670-11700 SHALE-90% red brown brown (80%) light to medium gray(20%) sub blocky, earthy, soft, calcareous

SANDSTONE-10% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, well sorted, white clay matrix, poor visible porosity, friable, calcareous, no show

11700-30 SHALE-20% red brown brown (80%) light to medium gray(20%) sub blocky, earthy, soft, calcareous

SANDSTONE-80% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, moderately sorted, white clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show

11730-60 SHALE-80% red brown brown (100%), sub blocky to platy, earthy, soft, calcareous

SANDSTONE-20% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, moderately sorted, white clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show

11760-90 SHALE-70% red brown brown (70%) light to medium gray (30%), sub blocky to platy, earthy, soft, calcareous

SANDSTONE-30% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, moderately sorted, white clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show

- 11790-11820 SHALE-90% variegated red brown brown maroon (70%) light to medium gray green (30%), sub blocky, earthy, soft, calcareous
SANDSTONE-10% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, moderately sorted, white clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show
- 11820-50 SHALE-90% variegated red brown brown orange (70%) light to medium gray green (30%), sub blocky, earthy, soft, calcareous
SANDSTONE-10% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, moderately sorted, white clay matrix, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show
- 11850-80 SHALE-80% variegated red brown brown orange (60%) light to medium gray green (40%), sub blocky, earthy, soft, calcareous
SANDSTONE-20% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, moderately sorted, white clay matrix, unconsolidated in part, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show
- 11880-11910 SHALE-70% variegated red brown brown orange (60%) light to medium gray green (40%), sub blocky, earthy, soft, calcareous
SANDSTONE-30% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, moderately sorted, white clay matrix, unconsolidated in part, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show

- 11910-40 SHALE-80% variegated red brown brown orange (60%) light to medium gray green (40%), sub blocky, earthy, soft, calcareous
SANDSTONE-20% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, moderately sorted, white clay matrix, unconsolidated in part, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show
- 11940-70 SHALE-100% red brown brown (90%) light to medium gray (10%), sub blocky to platy, earthy, soft, calcareous
- 11970-12000 SHALE-90% red brown brown (90%) light to medium gray (10%), sub blocky to platy, earthy, soft, calcareous
- TD SANDSTONE-10% white light gray, salt and pepper, very fine (lower) to fine (upper) grained, sub angular to sub rounded, moderately sorted, white clay matrix, unconsolidated in part, carbonaceous inclusions, poor visible porosity, friable, calcareous cement, no show

MORNING GEOLOGICAL REPORT

| | |
|--|-------------------------------------|
| Company: Harvest Natural Resources, LLC | Date: Aug. 5, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec. 10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger Charbonneau |

7:00a.m. Depth 3253 Progress: 251 Operation: Drilling
Dev 3121MD .05deg @ 302.14azm

Mud Ck 3152 Wt 8.65 Vis 36 PV 6 YP 7 PH 10.5 F 7.6 Chl 25,000

Formation: Uinta Tops:

24 Hr. Lithology: SH-100%

Sample Quality: Good

SH-lt-m gy,silty,sft-frm,sl calc,wxy inpt,tr rd brn,tr gy grn,wxy,m-dk gy,carb inpt,tr tan,lt
 brn,limestone

| | | | | | |
|----------------|-----------------|-----------|-----------|------------|-------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas | 12 | Mud Wt in | Mud Wt out | Flare |
| | BG | 4-6 | Mud Wt in | Mud Wt out | Flare |
| | FG | Nil | | | |
| | DTG/CG | 43 | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Grain size | Stain | Star |
|----------|-------|--------|------|-------|------------|----------|------------|-------|------|
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MORNING GEOLOGIC REPORT

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| Company: Harvest (US) Holdings, Inc | Date: Aug. 6, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec. 10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 3652' **Progress:** 399' **Operation:** Drilling
Dev 3498MD .08deg @ 107.43azm

Mud Ck 3354 **Wt** 8.6 **Vis** 38 **PV** 13 **YP** 12 **PH** 10 **F** 7.2 **Chl** 25,000

Formation: Uinta **Tops:**

24 Hr. Lithology: SH-30-90% LS-20-100% SS-10-100%

Sample Quality: Good

SH-wh,lt-m gy,m-dk gy brn,blky,frm,slty inpt,dol-sl calc

SS-lt gy,wh,s-p,vf(u)-f(u)gr,sbang,f-p srt,cly mtx,calc cmt,cly fld,tt,no show

LS-lt gy brn,lt gy,wh,chky-xln,lith,mudstn,sly & sdy inpt

| | | | | | |
|----------------|-----------------|------|-----------|------------|-------|
| Mud Gas | Trip Gas | 9 | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas | 8-12 | Mud Wt in | Mud Wt out | Flare |
| | BG | 4-6 | Mud Wt in | Mud Wt out | Flare |
| | FG | Nil | | | |
| | DTG/CG | Nil | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Grain size | Stain | Star |
|----------|-------|--------|------|-------|------------|----------|------------|-------|------|
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MORNING GEOLOGIC REPORT

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|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 7, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 4921' **Progress:** 1269' **Operation:** Drilling
Dev 4728MD .12deg @ 43.75azm

Mud Ck 4384' **Wt** 8.75 **Vis** 42 **PV** 15 **YP** 17 **PH** 9.8 **F** 6.4 **Chl** 22,000

Formation: Green River **Tops:** Green River 4755'

24 Hr. Lithology: SH-10-100% SS-10-100%

Sample Quality: Good

SH-tan,brn,dk brn-blk,rthy,sft frm,mrly,scat shl frags,mlky cut flor,dry chips float on water,hydrocrbn odor while dring,blk asphalt coming across shaker from show zone

SS-lt gy brn,vf(u)-f(u)gr,sbang,f-p srt,cly mtx,calc cmt,cly fld,tt,no show

| | | | | | |
|----------------|-----------------|------|-----------|------------|-------|
| Mud Gas | Trip Gas | 9 | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas | 8-12 | Mud Wt in | Mud Wt out | Flare |
| | BG | 4-6 | Mud Wt in | Mud Wt out | Flare |
| | FG | 504 | | | |
| | DTG/CG | Nil | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Grain size | Stain | Lith |
|-----------|-------|--------------------|-----------|-------|------------|----------|------------|-------------|-------|
| 4568/4604 | 36' | 1/1.5/1 Reverse | 504 units | | 8.8/8.8 | | | Blk asph | Shale |
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REMARKS: The show zone produced black asphalt over shaker, the samples went to a dark brown to black shale with cut fluorescence and the 504 unit gas show.

MORNING GEOLOGIC REPORT

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| Company: Harvest (US) Holdings, Inc | Date: Aug. 8, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 5368' **Progress:** 447' **Operation:** Bit Trip
NB#6,8 3/4",HTC,Q505F,Tricone, Insert 6 cut 2013' in 48 Hrs
Dev 5307MD .22deg @ 337.99azm

Mud Ck 5190' **Wt** 9.3 **Vis** 42 **PV** 16 **YP** 17 **PH** 9.5 **F** 6.0 **Chl** 39,000

Formation: Green River **Tops:** Green River 4755'
24 Hr. Lithology: SH-10-100%

Sample Quality: Good

SH-tan,brn,dk brn-blk,rthy,sft frm,mrly,scat shl frags,mlky cut flor,dry chips float on water,hydrocrbn odor while dring,blk asphalt in fractures and voids

| | | | | | |
|----------------|-----------------|--------|-----------|------------|-------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas | 86-117 | Mud Wt in | Mud Wt out | Flare |
| | BG | 55-60 | Mud Wt in | Mud Wt out | Flare |
| | FG | Nil | | | |
| | DTG/CG | Nil | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Grain size | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------------|-------|------|
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MORNING GEOLOGIC REPORT

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| Company: Harvest (US) Holdings, Inc | Date: Aug. 9, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 5677' Progress: 309' Operation: Drilling
NB#7,8 3/4",HTC,Q506F,PDC, Motor 6 cut 2013' in 48 Hrs
Dev 5479MD .11deg @ 1.56azm

Mud Ck 5410' Wt 9.45 Vis 42 PV 18 YP 14 PH 9.5 F 5.8 Chl 37,000

Formation: Green River Tops: Green River 4755'

24 Hr. Lithology: SH-10-100% SS-10-60%

Sample Quality: Good

SH-lt-m gy,dk brn,blky,rthy,sft-frm,mlky cut flor

SS-wh,lt gy,vf-f(u)fr,s bang-sb rdd,mod srt,calc cmt cly mtx,tt,no show

| | | | | | |
|----------------|-----------------|---------|-----------|------------|-------|
| Mud Gas | Trip Gas | 110 | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas | 122-240 | Mud Wt in | Mud Wt out | Flare |
| | BG | 60-85 | Mud Wt in | Mud Wt out | Flare |
| | FG | Nil | | | |
| | DTG/CG | 313 | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Grain size | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------------|-------|------|
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MORNING GEOLOGIC REPORT

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|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 10, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 6151' **Progress:** 474' **Operation:** Drilling
NB#7,8 3/4",HTC,Q506F,PDC, Motor **6 cut 2013' in 48 Hrs**
Dev 6046'MD .10deg @ 125.51azm

Mud Ck 5923' **Wt** 9.5 **Vis** 41 **PV** 15 **YP** 16 **PH** 9.8 **F** 5.4 **Chl** 37,000

Formation: Green River **Tops:** Green River 4755'
24 Hr. Lithology: SH-100%

Sample Quality: Good
 SH-lt-m gy brn,dk brn,blky,rthy,sft-frn,micropyr,mott w/calc or foss frags,carb & pet in part,mlky cut flor

| | | | | | | | |
|----------------|-----------------|------------|-----------|------|------------|-----|-------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | 9.45 | Mud Wt out | 9.7 | Flare |
| | Conn Gas | 122-240 | Mud Wt in | 9.45 | Mud Wt out | 9.7 | Flare |
| | BG | 90-130 | Mud Wt in | 9.45 | Mud Wt out | 9.7 | Flare |
| | FG | 758 | | | | | |
| | DTG/CG | Nil | | | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Grain size | Stain | Lith |
|-------------|-------|-----------|------|-------|------------|----------|--------------|-------|------|
| 5655'-5664' | 9 | 4.1/2.9 | 763 | | 9.45/9.6 | | Flash cut | | SH |
| 5970'-5985' | 15 | 1.77/1.92 | 758 | | 9.45/9.7 | | Yel cut flor | | SH |
| | | | | | | | | | |

MORNING GEOLOGIC REPORT

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|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 11, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 6499' **Progress:** 348' **Operation:** Trip for bit
NB#7,8 ¾",HTC,Q506F,PDC, Motor **7 cut 1132' in 49 Hrs**
Dev 6422'MD .89deg @ 182.08azm

Mud Ck 6373' **Wt** 9.9 **Vis** 42 **PV** 17 **YP** 15 **PH** 9.8 **F** 5.6 **Chl** 42,000

Formation: Green River **Tops:** Green River 4755'
24 Hr. Lithology: SH-100%

Sample Quality: Good

SH-m-dk gy brn,blky-plty,rthy,sft-frn,lmy,tr lse qtz grns,mod blk tar over shaker,sly el-wh cut

| | | | | | | | |
|----------------|-----------------|-----------|-----------|------|------------|------|-------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | 9.45 | Mud Wt out | 9.45 | Flare |
| | Conn Gas | 1116-1706 | Mud Wt in | 9.9 | Mud Wt out | 9.9 | Flare |
| | BG | 187-350 | Mud Wt in | 9.9 | Mud Wt out | 9.9 | Flare |
| | FG | 1477 | | | | | |
| | DTG/CG | 1238 | | | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|-----------|-------|-----------|------|-------|------------|----------|--------------------|-------|------|
| 6350-6366 | 16 | 1.5-.75-2 | 1477 | | 9.4/9.6 | | Yel cut flor | | SH |
| | | | | | | | | | |

MORNING GEOLOGIC REPORT

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|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 12, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 6891' **Progress:** 392' **Operation:** Drilling
NB#8,8 3/4",Ulterra,MS1666,PDC, Motor 7 cut 1131' in 54 Hrs
Dev 6799'MD .14deg @ 289.39azm

Mud Ck 6600' **Wt** 9.9 **Vis** 42 **PV** 17 **YP** 15 **PH** 9.8 **F** 5.6 **Chl** 42,000

Formation: Green River **Tops:** Green River 4755'

24 Hr. Lithology: SH-60-100% SS-40%

Sample Quality: Good

SH-lt gy,marly,chky tex,blky,sft-frn,calc,yel-wh mlky cut flor.

SS-wh,lt brn,vf(u)-f(l)gr,s bang,w srt,calc cmt,cly mtx & cmt,fri, brn o stn,tt,yel-wh strm cut flor

| | | | | | | | |
|----------------|-----------------|---------|-----------|-----|------------|-----|-------|
| Mud Gas | Trip Gas | 4099 | Mud Wt in | 9.9 | Mud Wt out | 9.9 | Flare |
| | Conn Gas | 635-937 | Mud Wt in | 9.9 | Mud Wt out | 9.9 | Flare |
| | BG | 350-550 | Mud Wt in | 9.9 | Mud Wt out | 9.9 | Flare |
| | FG | Nil | | | | | |
| | DTG/CG | Nil | | | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
| | | | | | | | | | |

MORNING GEOLOGIC REPORT

| | |
|--|-------------------------------------|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 14, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger Charbonneau |

| | |
|---|--------------------------------|
| 7:00a.m. Depth 7502' Progress: 131' | Operation: Drilling |
| NB#9,8 3/4",Ulterra,MS1666,PDC, Motor | 8 cut 887' in 28 1/2Hrs |
| Dev 7463'MD .1deg @ 122.0azm | |

Mud Ck 7384' Wt 9.9 Vis 43 PV 17 YP 20 PH 9.9 F 5.2 Chl 39,000

Formation: Green River K Mkr **Tops:** Green River 2 4915', Smith 5034', MB 5140', DJ Mkr 5548', DJ Mkr 1 5778', Garden Gulth 6103', GR 3 6420', HI Mkr 6586', I Mkr 6950', K Mkr 7350'

24 Hr. Lithology: SH-10-100% SS-20-90%

Sample Quality: Good

SH-lt-m gy,blky,sft-frm,slty,calc,m-dk gy brn,dk gy brn-blk in pt,
carb,pet,grsy tex inpt,mlky cut flor

SS-tan-brn,slt-vf(l)gr,scat vf(u)gr,sb ang,w srt,cly,mtx,calc cmt,fri,brn
o stn,blu-yel o flor,yel-wh mlky cut flor,brt blu-yel resid ring cut

| | | | | | | |
|----------------|-----------------|---------|------------------|-----|-------------------|-----|
| Mud Gas | Trip Gas | 4918 | Mud Wt in | 9.9 | Mud Wt out | 9.9 |
| | Conn Gas | 271 | Mud Wt in | 9.9 | Mud Wt out | 9.9 |
| | BG | 160-180 | Mud Wt in | 9.9 | Mud Wt out | 9.9 |
| | FG | 3425 | | | | |
| | DTG/CG | Nil | | | | |

SHOW#7

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|-----------|-------|-------------------|------|-------|------------|----------|------|------------------------------------|------|
| 7423-7452 | 29 | .97/1.15/ 1.05 | 3425 | | 9.9/9.9 | | | Brn stn, mlky cut flor | SS |
| | | | | | | | | | |

MORNING GEOLOGIC REPORT

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|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 15, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 8293' **Progress:** 791' **Operation:** Drilling
NB#9,8 3/4",Ulterra,MS1666,PDC, Motor 8 cut 887' in 28 1/2 Hrs
Dev 8067'MD .06deg @ 316.77azm

Mud Ck 7790' **Wt** 10.2 **Vis** 40 **PV** 20 **YP** 20 **PH** 10 **F** 5.8 **Chl** 41,000

Formation: Green River **Tops:** Green River 4755'
24 Hr. Lithology: SH-10-70% SS-30-90%

Sample Quality: Good

SH-lt gy,marly,chky tex,blky,sft-frm,calc,yel-wh mlky cut flor,m-dk gy brn-blk,carb,pet,sooty-grsy tex,mlky cut flor

SS-wh,lt brn,vf(l)-f(u)gr,slty inpt,sb ang,w srt,calc cmt,cly mtx & cmt,fri,? brn o stn,tt,yel-wh strm cut flor

| | | | | | | | |
|----------------|-----------------|-----------|-----------|-----|------------|-----|-------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | 9.9 | Mud Wt out | 9.9 | Flare |
| | Conn Gas | 356-1287 | Mud Wt in | 9.9 | Mud Wt out | 9.9 | Flare |
| | BG | 120-350 | Mud Wt in | 9.9 | Mud Wt out | 9.9 | Flare |
| | FG | 1146-4180 | | | | | |
| | DTG/CG | Nil | | | | | |

SHOWS #8/9

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|-----------|-------|-------------------|------|-------|------------|----------|---------------------------------|-------|------|
| 7468-7488 | 20 | 1.17/.97/ 1.45 | 4180 | | 9.9/9.9 | | Stm cut,blu yel o flor | yes | SS |
| 8115-8172 | 57 | 1.02/.97/ 1.1 | 1146 | | 10.2/10.2 | | Milky cut flor | yes | SH |
| | | | | | | | | | |

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc **Date:** Aug. 16, 2010
Lease: Kettle #1-10-3-1 **G.L.** 5042'
Location: SW/SE Sec.10,T3S,R1W **K.B.** 5066'
County/State: Duchesne Co., Utah **Geologist:** Roger D. Charbonneau

7:00a.m. Depth 8558' **Progress:** 265' **Operation:** Cirr. Out Trip Gas
NB#10,8 1/2",RTC,SRE616D,PDC, Motor,9 cut 1174' in 34 Hrs
Dev 8405'MD .06deg @ 41.08azm

Mud Ck 8558' Wt 10.35 Vis 39 PV 17 YP 15 PH 9.8 F 5.4 Chl 39,000

Formation: CP 90 **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land
 Butte 8317', CP 90 8509'.

24 Hr. Lithology: SH-10-70% LS-20-70% SS-30-70%

Sample Quality: Good

SH-m-dk gy brn-blk,carb,lmy inptpet,sooty-grsy tex,mlky cut flor

SS-wh,lt brn,vf(l)-f(u)gr,slty inpt,sb ang,w srt,calc cmt,cly mtX & cmt,fri,? brn o stn,tt,yel-wh
strm cut flor

LS-m-dk gy brn,rthy,blky,lith,carb,mudstn

| | | | | | | | |
|----------------|-----------------|-----------|-----------|------|------------|------|-------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | 10.2 | Mud Wt out | 10.2 | Flare |
| | Conn Gas | 2385-2778 | Mud Wt in | 10.2 | Mud Wt out | 10.2 | Flare |
| | BG | 1250-1550 | Mud Wt in | 10.2 | Mud Wt out | 10.2 | Flare |
| | FG | 2014 | | | | | |
| | DTG/CG | Nil | | | | | |

SHOWS #10

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|-----------|-------|-----------------|------|-------|------------|----------|---------------------|-------|------|
| 8323-8350 | 27 | 1.6-1.3- 1.7 | 2014 | | 10.2/10.2 | | Milk cut flor | | SH |
| | | | | | | | | | |

MORNING GEOLOGIC REPORT

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| Company: Harvest (US) Holdings, Inc | Date: Aug. 17, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 9019' **Progress:** 461' **Operation:** Drill-Cirr.
NB#10,8 1/2",RTC,SRE616D,PDC, Motor,9 cut 1174' in 34 Hrs
Dev 8971'MD .08deg @ 196.93azm
Mud Ck 8808' **Wt** 10.6 **Vis** 41 **PV** 18 **YP** 19 **PH** 9.8 **F** 5.4 **Chl** 42,000
Formation: CP 90 **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land Butte 8317', CP 90 8509', CP 90 8509', Wasatch 8756'
24 Hr. Lithology: SH-10-100% LS-70-100% SS-20-90% SLTST-10-60%

Sample Quality: Good
 SH-m-dk gy brn-blk,carb,lmy inpt,pet,sooty-grsy tex,mlky cut flor,lt gy,lt-m gy,inpt
 SS-wh,s-p,vf(l)-m(u)gr,slty inpt,sb ang,w srt,calc cmt,cly mtx & cmt,fri,? brn o stn,tt,yel-wh
 strm cut flor,cong inpt,abt lse uncon qtz grns
 LS-lt-m gy brn,rthy,blky,lith,carb,mudstn
 SLTST-lt gy,aren,arg,calc,frm

| | | | | | | | |
|----------------|-----------------|---------|-----------|------|------------|-------|-------|
| Mud Gas | Trip Gas | 1049 | Mud Wt in | 10.2 | Mud Wt out | 10.2 | Flare |
| | Conn Gas | 1278 | Mud Wt in | 10.8 | Mud Wt out | 10.8 | Flare |
| | BG | 180-280 | Mud Wt in | 10.8 | Mud Wt out | 10.28 | Flare |
| | FG | Nil | | | | | |
| | DTG/CG | 739 | | | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
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MORNING GEOLOGIC REPORT

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|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 18, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 9549' Progress: 530' Operation: Drilling
NB#10,8 1/2",RTC,SRE616D,PDC, Motor,9 cut 1174' in 34 Hrs
Dev 9443'MD .03deg @ 310.74azm
Mud Ck 9145' Wt 10.8 Vis 38 PV 13 YP 15 PH 9.5 F 6.4 Chl 40,000
Formation: Wasatch Tops: Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land
Butte 8317', CP 90 8509', CP 90 8509', Wasatch 8756'
24 Hr. Lithology: SH-10-100% SS-10% SLTST-10-40% CLYSTN-40-90%

Sample Quality: Good

SH-m-dk gy brn-blk,carb,lmy inpt,mlky cut flor,lt gy,lt-m gy,sb blk,frm,rthy,slty,no show

SS-wh,s-p,vf(l)-vf(u)gr,slty inpt,sb ang,w srt,calc cmt,cly mtx & cmt,fri,tr mlky cut

CLYSTN-wh,sft,sl calc,sdy inpt

SLTST-lt gy,aren,arg,calc,frm

| | | | | | |
|----------------|-----------------|----------|----------------|------------------|-------|
| Mud Gas | Trip Gas | Nil | Mud Wt in 10.2 | Mud Wt out 10.2 | Flare |
| | Conn Gas | 721/2871 | Mud Wt in 10.8 | Mud Wt out 10.8 | Flare |
| | BG | 110-280 | Mud Wt in 10.8 | Mud Wt out 10.28 | Flare |
| | FG | Nil | | | |
| | DTG/CG | Nil | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
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MORNING GEOLOGIC REPORT

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|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 18, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 9612' Progress: 63' Operation: Building Mud to 11lb
NB#10,8 1/2",RTC,SRE616D,PDC, Motor,9 cut 1174' in 34 Hrs
Dev 9537'MD .04deg @ 293.68azm
Mud Ck 9145' Wt 10.8 Vis 38 PV 13 YP 15 PH 9.5 F 6.4 Chl 40,000
Formation: Wasatch Tops: Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land
Butte 8317', CP 90 8509', CP 90 8509', Wasatch 8756'
24 Hr. Lithology: SH-70-100% SS-30%

Sample Quality: Good

SH-m-dk gy brn-blk,carb,lmy inpt,mlky cut flor,lt gy,lt-m gy,sb blk,frm,rthy,slty,no show

SS-wh,s-p,vf(l)-vf(u)gr,slty inpt,sb ang,w srt,calc cmt,cly mtx & cmt,fri,no show

| | | | | | |
|----------------|-----------------|------|-----------------------|------------------------|--------------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas | 7311 | Mud Wt in 10.9 | Mud Wt out 10.9 | Flare |
| | BG | 6500 | Mud Wt in 11.0 | Mud Wt out 10.8 | Flare |
| | BusterBG | 3700 | | | |
| | FG | 675 | | | |
| | DTG/CG | Nil | | | |

SHOWS #11

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|-------------|-------|-----------------|------|-------|------------|------------|------|-------|------|
| 9448'-9471' | 23 | 1.65/93/ 2.3 | 675 | 20' | 10.9/10.9 | Cly fld/tt | | | SS |
| | | | | | | | | | |

MORNING GEOLOGIC REPORT

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|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 20, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 9612' Progress: Nil' Operation: Cirr. Monitor Loss
NB#10,8 1/2",RTC,SRE616D,PDC, Motor,9 cut 1174' in 34 Hrs
Dev 9537'MD .04deg @ 293.68azm
Mud Ck 9145' Wt 10.8 Vis 38 PV 13 YP 15 PH 9.5 F 6.4 Chl 40,000
Formation: Wasatch Tops: Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land
Butte 8317', CP 90 8509', CP 90 8509', Wasatch 8756'
24 Hr. Lithology:

Sample Quality:

| | | | | |
|----------------|---------------------|-----------------------|------------------------|--------------|
| Mud Gas | Trip Gas Nil | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas Nil | Mud Wt in 11.0 | Mud Wt out 11.0 | Flare |
| | BG 2600 | Mud Wt in 11.0 | Mud Wt out 11.0 | Flare |
| | BusterBG | | | |
| | FG | | | |
| | DTG/CG 3865 | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
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MORNING GEOLOGIC REPORT

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|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 21, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 9612' Progress: Nil' Operation: Cirr. Monitor Loss
NB#10,8 1/2",RTC,SRE616D,PDC, Motor,9 cut 1174' in 34 Hrs
Dev 9537'MD .04deg @ 293.68azm
Mud Ck 9612' Wt 11.0 Vis 39 PV 16 YP 15 PH 9.5 F 6.0 Chl 37,000
Formation: Red Beds Tops: Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land
Butte 8317', CP 90 8509', CP 90 8509', Wasatch 8756', Red Beds 9448'
24 Hr. Lithology:

Sample Quality:

| | | | | |
|----------------|----------------------|----------------|-----------------|-------|
| Mud Gas | Trip Gas 4814 | Mud Wt in 11.0 | Mud Wt out 11.0 | Flare |
| | Conn Gas Nil | Mud Wt in 11.0 | Mud Wt out 11.0 | Flare |
| | BG 2800 | Mud Wt in 11.0 | Mud Wt out 11.0 | Flare |
| | BusterBG | | | |
| | FG | | | |
| | DTG/CG Nil | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
| | | | | | | | | | |

MORNING GEOLOGIC REPORT

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|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 22, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth 9612' **Progress:** Nil' **Operation:** Cirr. Monitor Loss
NB#10,8 1/2",RTC,SRE616D,PDC, Motor,9 cut 1174' in 34 Hrs
Dev 9537'MD .04deg @ 293.68azm
Mud Ck 9612' **Wt** 11.0 **Vis** 37 **PV** 14 **YP** 14 **PH** 9.5 **F** 6.0 **Chl** 37,000
Formation: Red Beds **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land
 Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448'
24 Hr. Lithology:

Sample Quality:

| | | | | |
|----------------|---------------------------|----------------|-----------------|-------|
| Mud Gas | Trip Gas 4814 | Mud Wt in 11.0 | Mud Wt out 11.0 | Flare |
| | Conn Gas 2771/3516 | Mud Wt in 11.0 | Mud Wt out 11.0 | Flare |
| | BG 230/1200 | Mud Wt in 11.0 | Mud Wt out 11.0 | Flare |
| | BusterBG | | | |
| | FG | | | |
| | DTG/CG Nil | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
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MORNING GEOLOGIC REPORT

| | |
|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 23, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth: 9694' **Progress:** 82' **Operation:** Drilling
NB#10,8 1/2",RTC,SRE616D,PDC, **9 cut 1174' in 34 Hrs**
Dev 9537'MD .04deg @ 293.68azm

Mud Ck 9612' Wt 11.1 Vis 38 PV 15 YP 12 PH 9.5 F 6.0 Chl 35,500

Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756' , Red Beds 9448', CP 190 9534'
 Massive Red Bed 9624'

24 Hr. Lithology: SHALE-100%

Sample Quality: Good

SH-lt gy grn, (90%),sb blk,y,sft-frn,rthy,calc,slty inpt,rd (10%),rd brn,sb blk,y,sft,rthy,no show

| | | | | | |
|----------------|-----------------|------|------------------|------------------------|-------------------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas | 2929 | Mud Wt in | 11.1 Mud Wt out | 11.1 Flare |
| | BG | 478 | Mud Wt in | 11.1 Mud Wt out | 11.1 Flare |
| | BusterBG | Nil | | | |
| | FG | Nil | | | |
| | DTG/CG | 3624 | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
| | | | | | | | | | |

MORNING GEOLOGIC REPORT

| | |
|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 24, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth: 10,150' **Progress:** 456' **Operation:** Drilling
NB#10,8 1/2",RTC,SRE616D,PDC, 9 cut 1174' in 34 Hrs

Dev 10,102' MD .06deg @ 2.06azm

Mud Ck 9612' **Wt** 11.1 **Vis** 38 **PV** 15 **YP** 12 **PH** 9.5 **F** 6.0 **Chl** 35,500

Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'

24 Hr. Lithology: SHALE-30-100% CLYSTN-20-50% SS-10-30% SLTST10-30%

Sample Quality: Good

SH-lt gy-wh,blky,sft frm,rthy,calc,slty inpt,mrly,rd ,rd brn,lav,sb blky,sft,rthy,no show

SLTST-lt gy,arg,sdy,sft frm,calc

CLYSTN-wh,lt gy,blky,sdy,sft,calc

SS-wh,clr,frstd,vf(l)-m(u)gr,sbang,f srt,cly mtx,uncon,fri,calc cmt,no show

| | | | | | |
|----------------|-----------------|-----------|-----------|-----------------|------------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas | 3612-3970 | Mud Wt in | 11.1 Mud Wt out | 11.1 Flare |
| | BG | 360-400 | Mud Wt in | 11.1 Mud Wt out | 11.1 Flare |
| | BusterBG | Nil | | | |
| | FG | Nil | | | |
| | DTG/CG | Nil | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
|----------|-------|--------|------|-------|------------|----------|------|-------|------|

MORNING GEOLOGIC REPORT

| | |
|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 25, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth: 10,633' **Progress:** 483' **Operation:** Drilling
NB#10,8 1/2",RTC,SRE616D,PDC **9 cut 1174' in 34 Hrs**

Dev 10,574' MD .06deg @ 265.19azm

Mud Ck 10447' **Wt** 11.1 **Vis** 39 **PV** 15 **YP** 14 **PH** 9.6 **F** 6.0 **Chl** 32,00

Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'

24 Hr. Lithology: SHALE-30-100% CLYSTN-20-50% SS-10-30% SLTST10-30% LS-20-100%

Sample Quality: Good

SH-lt gy-wh,blky,sft-frm,rthy,calc,slty inpt,mrly,rd ,rd brn,lav,sb blky,sft,rthy,no show

SLTST-lt gy,arg,sdy,sft-frm,calc

CLYSTN-wh,lt gy,blky,sdy,sft,calc

SS-lt gy,wh,vf(l)-vf(u)gr,s bang,f-w srt,cly mtx,calc cmt,cly fld,tt

LS-tan,crm,slty,suc tex,arg,lith,mudstn

| | | | | | |
|----------------|-----------------|-----------|------------------|------------------------|-------------------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas | 2445-2733 | Mud Wt in | 11.1 Mud Wt out | 11.1 Flare |
| | BG | 410-450 | Mud Wt in | 11.1 Mud Wt out | 11.1 Flare |
| | BusterBG | Nil | | | |
| | FG | Nil | | | |
| | DTG/CG | 2579 | | | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
|----------|-------|--------|------|-------|------------|----------|------|-------|------|

MORNING GEOLOGIC REPORT

| | |
|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 26, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth: 10,972' **Progress:** 339' **Operation:** Cirr./Build Mud to 11.2lb/gal
NB#10,8 1/2",RTC,SRE616D,PDC **9 cut 1174' in 34 Hrs**

Dev 10,857'MD .04deg @ 82.77azm

Mud Ck 10804' **Wt** 11.1 **Vis** 39 **PV** 15 **YP** 13 **PH** 9.5 **F** 6.0 **Chl** 30,000

Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'

24 Hr. Lithology: SHALE-30-100% SS-10-30% SLTST-10-30%

Sample Quality: Good

SH-lt-m gy,bcm m-dk gy,sft-frm,calc,blky,carb inpt, sl mlky cut inpt

SLTST-lt gy,arg,sdy,sft-frm,calc

SS-lt gy,wh,vf(l)-vf(u)gr,sb ang,f-w srt,cly mtx,calc cmt,cly fld,yel-wh mlky cut,thin yel resid
 ring cut

| | | | | | |
|----------------|-----------------|-----------|----------------|------------------|-------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out | Flare |
| | Conn Gas | 2818-5159 | Mud Wt in 11.1 | Mud Wt out 11.1 | Flare |
| | BG | 430-580 | Mud Wt in 11.1 | Mud Wt out 11.1 | Flare |
| | BusterBG | 2542 | | | |
| | FG | 3816 | Mud Wt in 11.1 | Mud Wt out 10.9+ | 15' |
| | DTG/CG | 5159 | | | |

SHOWS 12&13

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Cut/ Lith |
|-------------|-------|--------------|------|-------|------------|---------------------|------|-------|--------------------------------------|
| 10902-10923 | 21 | 1.8/5.32/2.5 | 753 | No | 1.1/11.1 | 6-8% inter granular | Nil | Nil | SSmilky yel cut |
| 10958-68 | 15 | 2.3/5.15/3.3 | 3816 | 15' | 11.1/10.9 | 6-8% inter granular | Nil | Nil | SS milky yel cut,yel gold resid ring |

Note: Shut in well, check flow, Run thru gas buster, Raise Mud Wt.to 11.2lb/gal

MORNING GEOLOGIC REPORT

| | |
|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 27, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth: 10,972' **Progress:** Nil **Operation:** Raise Mud Wt./Monitor Losses
NB#10,8 1/2",RTC,SRE616D,PDC **9 cut 1174' in 34 Hrs**

Dev 10,857'MD .04deg @ 82.77azm

Mud Ck 10972' **Wt** 11.55 **Vis** 40 **PV** 21 **YP** 15 **PH** 9.5 **F** 10.0 **Chl** 30,000

Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'

24 Hr. Lithology: SANDSTONE

Sample Quality: Good

SS-lt gy,wh,vf(l)-vf(u)gr,sb ang,f-w srt,cly mtx,calc cmt,cly fld,yel-wh mlky cut,thin yel resid
 ring cut

| | | | | | | |
|----------------|-----------|-------------|------------------|--------------|-------------------|--------------|
| Mud Gas | BG | 2223 | Mud Wt in | 11.6 | Mud Wt out | 11.5 |
| | BG | 2645 | Mud Wt in | 11.6 | Mud Wt out | 11.6 |
| | BG | 1839 | Mud Wt in | 11.6+ | Mud Wt out | 11.5+ |
| | BG | 4795 | Mud Wt in | 11.7 | Mud Wt out | 11.5 |
| | BG | 2454 | Mud Wt in | 11.8 | Mud Wt out | 11.4 |
| | BG | 2223 | Mud Wt in | 11.8 | Mud Wt out | 11.5 |
| | BG | 2253 | Mud Wt in | 11.8 | Mud Wt out | 11.6- |

SHOWS 12&13

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Cut/ Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|

Note: Shut in well, check flow, Raise Mud Wt., Monitor Losses

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings **Date** Aug, 28/2010
Lease: Kettle # 1-10-3-1 **G.L.** 5041.6
Location: NW/SWSec.10, T3S, R1W **K.B.** 5065.85
County/State: Duchesne Co., Utah **Geologist: Roger D. Charbonneau**

5:00a.m. Depth 10972' **Progress: 0'** **Operation:** POOH to 8620 Build mud vol
NB #10 8.50" ,Reed, SRE616D,PDC,
Bit # 9 drilled 1173 ft in 34 hrs, out @ 8558'

Survey @ 10857 MD 0.04 Inc. 82.77 Azi

Mud Ck 10972 Wt 11.8 Vis 40 PV 21 YP 16 PH 9.5 F 6.0 Chl 30000
Formation: Green River **Tops:** T/ Green River @ 4922, T/ Mahogeny Bench @ 5136, T/ DJ @ 5548 MD, T/ DJ 1 @ 5778 MD, T/ GARDEN GULCH @ 6103 MD, T/ GR 3 @ 6420 MD, I Marker @ 6950, T/ K Marker @ 7350, T/ Castle Peak @ 8114, CP 80 @ 8206, Bar F Unconformity @ 8250, T/ Uteland Butte @ 8317, CP 90 @ 8509, TOP RED BEDS 9448', CP 190 @ 9534. Massive Red Bed @ 9624'

24 Hr. Lithology: N/A

Sample @ 10968' SS- wh,lt gy s&p,vf(u)-m(l)gr, sbang, m-w srt, wh cly mtx, tt, carb incl,abndt uncon,fri,calc, no flor, slow yel-mlky cut, resid thin yel ring cut

Sample Quality: N/A

Mud Gas BG 3120 Mud Wt in 11.8 Mud Wt out 11.8
BG 2156 Mud Wt in 11.9 Mud Wt out 11.7

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Lith | Stain | Star |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
| | | | | | | | | | |

Note: Circ hole & monitor losses & Gas, pump pill and POOH.

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings
Lease: Kettle # 1-10-3-1
Location: NW/SWSec.10, T3S, R1W
County/State: Duchesne Co., Utah

Date: Aug, 29/2010
G.L. 5041.6
K.B. 5065.85
Geologist: Dennis Springer

5:00a.m. Depth 10972' Progress: 0' Operation: Cond Hole for E Logs Stage 8 stds back in NB #10 8.50" ,Reed, SRE616D,PDC, Bit # 9 drilled 1173 ft in 34 hrs, out @ 8558'

Survey @ 10857 MD 0.04 Inc. 82.77 Azi

Mud Ck 10972 Wt 11.10 Vis 42.0 PV 16 YP 14 PH 9.3 F 6.0 Chl 30000

Formation: Green River **Tops:** T/ Green River @ 4922, T/ Mahogeny Bench @ 5136, T/ DJ @ 5548 MD, T/ DJ 1 @ 5778 MD, T/ GARDEN GULCH @ 6103 MD, T/ GR 3 @ 6420 MD, I Marker @ 6950, T/ K Marker @ 7350, T/ Castle Peak @ 8114, CP 80 @ 8206, Bar F Unconformity @ 8250, T/ Uteland Butte @ 8317, CP 90 @ 8509, TOP RED BEDS 9448', CP 190 @ 9534. Massive Red Bed @ 9624'

24 Hr. Lithology: N/A

Sample @ 10968' SS- wh,lt gy s&p,vf(u)-m(l)gr, sbang, m-w srt, wh cly mtx, tt, carb incl,abndt uncon,fri,calc, no flor, slow yel-mlky cut, resid thin yel ring cut

Sample Quality: N/A

Mud Gas BG 2220 Mud Wt in 11.3 Mud Wt out 11.1
BG 2348 Mud Wt in 11.5 Mud Wt out 11.2

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Lith | Stain | Star |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
| | | | | | | | | | |

Note: Circ. hole & monitor losses & Gas.

MORNING GEOLOGIC REPORT

| | |
|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Aug. 31, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth: 10,972' **Progress:** Nil **Operation:** Raise Mud Wt./Monitor Losses
NB#10,8 1/2",RTC,SRE616D,PDC **9 cut 1174' in 34 Hrs**

Dev 10,857'MD .04deg @ 82.77azm

Mud Ck 10972' **Wt** 11.55 **Vis** 40 **PV** 21 **YP** 15 **PH** 9.5 **F** 10.0 **Chl** 30,000

Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'

24 Hr. Lithology: SANDSTONE

Sample Quality: Good

SS-lt gy,wh,vf(l)-vf(u)gr,sb ang,f-w srt,cly mtx,calc cmt,cly fld,yel-wh mlky cut,thin yel resid
 ring cut

| | | | | | | |
|---------------------|-----------|-------------|------------------|-------------|-------------------|--------------|
| Mud Gas | BG | 2536 | Mud Wt in | 11.9 | Mud Wt out | 12.1 |
| Lost Returns | BG | 3850 | Mud Wt in | 12.2 | Mud Wt out | 12.3 |
| | BG | 2550 | Mud Wt in | 12.2 | Mud Wt out | 12.6 |
| | BG | 2420 | Mud Wt in | 12.2 | Mud Wt out | 11.9 |
| | BG | 2575 | Mud Wt in | 12.1 | Mud Wt out | 112.1 |

SHOWS 12&13

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Cut/ Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|

Note: Shut in well, check flow, Raise Mud Wt., Monitor Losses

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc
Lease: Kettle #1-10-3-1
Location: SW/SE Sec.10,T3S,R1W
County/State: Duchesne Co., Utah

Date: Sept. 1, 2010
G.L. 5042'
K.B. 5066'
Geologist: Roger D. Charbonneau

7:00a.m. Depth: 10,972' **Progress:** Nil **Operation:** Raise Mud Wt./Monitor Losses
NB#10,8 1/2",RTC,SRE616D,PDC **9 cut 1174' in 34 Hrs**

Dev 10,857'MD .04deg @ 82.77azm

Mud Ck 10972' **Wt** 12.45 **Vis** 39 **PV** 16 **YP** 16 **PH** 9.5 **F** 6.0 **Chl** 32,000

Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'

24 Hr. Lithology: SANDSTONE

Sample Quality: Good

SS-lt gy,wh,vf(l)-vf(u)gr,sb ang,f-w srt,cly mtx,calc cmt,cly fld,yel-wh mlky cut,thin yel resid
 ring cut

Mud Gas

| | | | | | | |
|--------|----|------|-----------|------|------------|------|
| 10424' | BG | 2953 | Mud Wt in | 12.5 | Mud Wt out | 12.3 |
| 10511' | BG | 2892 | Mud Wt in | 12.5 | Mud Wt out | 12.4 |
| 10605' | BG | 2956 | Mud Wt in | 12.5 | Mud Wt out | 12.3 |
| 10605' | BG | 3180 | Mud Wt in | 12.6 | Mud Wt out | 12.4 |
| 10605' | BG | 2540 | Mud Wt in | 12.6 | Mud Wt out | 12.4 |
| 10574 | BG | 2900 | Mud Wt in | 12.7 | Mud Wt out | 12.4 |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Cut/ Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|

Note: Shut in well, check flow, Raise Mud Wt., Monitor Losses,Slide Shaker screens, 25% LCM

MORNING GEOLOGIC REPORT

| | |
|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Sept. 2, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth: 10,972' **Progress:** Nil **Operation:** POOH-Run E-logs

Ran Caliber & GR Log Picked Packer Point @ 10380MD

NB#10,8 1/2",RTC,SRE616D,PDC 9 cut 1174' in 34 Hrs

Dev 10,857'MD .04deg @ 82.77azm

Mud Ck 10972' Wt 12.45 Vis 39 PV 16 YP 16 PH 9.5 F 6.0 Chl 32,000

Formation: Massive Red Bed Tops: Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'

Massive Red Bed 9664'

24 Hr. Lithology: SANDSTONE

Sample Quality: Good

SS-lt gy,wh,vf(l)-vf(u)gr,sb ang,f-w srt,cly mtx,calc cmt,cly fld,yel-wh mlky cut,thin yel resid ring cut

| | | | | | |
|----------------|-----------------|-------------|-----------------------|-------------------|-------------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out | |
| | Conn Gas | Nil | Mud Wt in | Mud Wt out | |
| | BG | 2444 | Mud Wt in 12.8 | Mud Wt out | 12.6 |
| | FG | Nil | Mud Wt in | Mud Wt out | |
| | DTG | Nil | Mud Wt in | Mud Wt out | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Cut/ Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|

MORNING GEOLOGIC REPORT

| | |
|--|--|
| Company: Harvest (US) Holdings, Inc | Date: Sept. 3, 2010 |
| Lease: Kettle #1-10-3-1 | G.L.: 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B.: 5066' |
| County/State: Duchesne Co., Utah | Geologist: Roger D. Charbonneau |

7:00a.m. Depth: 10,972' **Progress:** Nil **Operation:** RIH-Break Cirr.at 6100', Push packer to 10,380 or drill up, set cement plug10,380', Log/Run casing.

Ran Caliber & GR Log, Run Wire Line Packer, Hit Bridge @9383. Packer set NB#10,8 1/2",RTC,SRE616D,PDC 10 cut 2414' in 93.5 Hrs

Dev 10,857'MD .04deg @ 82.77azm

Mud Ck 10972' **Wt** 12.8 **Vis** 38 **PV** 16 **YP** 15 **PH** 8.6 **F** 8.4 **Chl** 21,000

Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'

Massive Red Bed 9664'

24 Hr. Lithology: SANDSTONE

Sample Quality: Good

SS-lt gy,wh,vf(l)-vf(u)gr,sb ang,f-w srt,cly mtx,calc cmt,cly fld,yel-wh mlky cut,thin yel resid ring cut

| | | | | | |
|----------------|-----------------|------|-----------------------|-------------------|------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out | |
| | Conn Gas | Nil | Mud Wt in | Mud Wt out | |
| | BG | 5894 | Mud Wt in 12.8 | Mud Wt out | 12.6 |
| | FG | Nil | Mud Wt in | Mud Wt out | |
| | DTG | Nil | Mud Wt in | Mud Wt out | |

SHOWS

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc **Date:** Sept. 9, 2010
Lease: Kettle #1-10-3-1 **G.L.** 5042'
Location: SW/SE Sec.10,T3S,R1W **K.B.** 5066'
County/State: Duchesne Co., Utah **Geologist:** Roger D. Charbonneau
7:00a.m. Depth: 10,972' **Progress:** Nil **Operation:** Spot Barite Plug,Build Mud to 12.6
 lb/gal, POOH,Change BOP rams, Rig up Casing Crew, Run casing
NB#10,8 1/2",RTC,SRE616D,PDC **10 cut 2414' in 93.5 Hrs**
Dev 10,857'MD .04deg @ 82.77azm
Mud Ck 10972' **Wt** 12.2 **Vis** 39 **PV** 18 **YP** 18 **PH** 12.5 **F** 7.4 **Chl** 34,000
Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'
24 Hr. Lithology: SANDSTONE

Sample Quality: Good
 SS-lt gy,wh,vf(l)-vf(u)gr,sb ang,f-w srt,cly mtx,calc cmt,cly fld,yel-wh mlky cut,thin yel resid
 ring cut

| | | | | |
|----------------|-----------------|-------------|-----------------------|-------------------------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out |
| | Conn Gas | Nil | Mud Wt in | Mud Wt out |
| 9910' | BG | 5612 | Mud Wt in 12.6 | Mud Wt out 12.5+ |
| | FG | Nil | Mud Wt in | Mud Wt out |
| | DTG | Nil | Mud Wt in | Mud Wt out |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Cut/ Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc **Date:** Sept. 10, 2010
Lease: Kettle #1-10-3-1 **G.L.** 5042'
Location: SW/SE Sec.10,T3S,R1W **K.B.** 5066'
County/State: Duchesne Co., Utah **Geologist:** Roger D. Charbonneau
7:00a.m. Depth: 10,972' **Progress:** Nil **Operation:** Run Casing, well flowed at 9970',
 Cirr. well bore at 10169', gas back ground 2386 units before shut in
NB#10,8 1/2",RTC,SRE616D,PDC **10 cut 2414' in 93.5 Hrs**
Dev 10,857'MD .04deg @ 82.77azm
Mud Ck 10972' **Wt** 12.2 **Vis** 39 **PV** 18 **YP** 18 **PH** 12.5 **F** 7.4 **Chl** 34,000
Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'
24 Hr. Lithology: SANDSTONE

Sample Quality: Good

SS-lt gy,wh,vf(l)-vf(u)gr,sb ang,f-w srt,cly mtx,calc cmt,cly fld,yel-wh mlky cut,thin yel resid
ring cut

| | | | | |
|----------------|-----------------|-------------|-----------------------|-------------------------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | Mud Wt out |
| | Conn Gas | Nil | Mud Wt in | Mud Wt out |
| 9650' | BG | 1745 | Mud Wt in 12.6 | Mud Wt out 12.5+ |
| | FG | Nil | Mud Wt in | Mud Wt out |
| | DTG | Nil | Mud Wt in | Mud Wt out |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Cut/ Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc **Date:** Sept. 11, 2010
Lease: Kettle #1-10-3-1 **G.L.** 5042'
Location: SW/SE Sec.10,T3S,R1W **K.B.** 5066'
County/State: Duchesne Co., Utah **Geologist:** Roger D. Charbonneau
7:00a.m. Depth: 10,972' **Progress:** Nil **Operation:** Rig up Halliburton for Stage 2 cement
 job, Stage 1 finished, no cement returns to surface,11,239 units bottom ups
NB#10,8 1/2",RTC,SRE616D,PDC **10 cut 2414' in 93.5 Hrs**
Dev 10,857'MD .04deg @ 82.77azm
Mud Ck 10972' **Wt** 12.27 **Vis** 42 **PV** 15 **YP** 14 **PH** 12.0 **F** 7.4 **Chl** 37,000
Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'
24 Hr. Lithology: SANDSTONE

Sample Quality: Good
 SS-lt gy,wh,vf(l)-vf(u)gr,sb ang,f-w srt,cly mtx,calc cmt,cly fld,yel-wh mlky cut,thin yel resid
 ring cut

| | | | | | |
|----------------|-----------------|--------------|-----------------------|--|------------------------|
| Mud Gas | Trip Gas | Nil | Mud Wt in | | Mud Wt out |
| | Conn Gas | Nil | Mud Wt in | | Mud Wt out |
| 10321' | BG | 11239 | Mud Wt in 12.5 | | Mud Wt out 12.3 |
| | FG | Nil | Mud Wt in | | Mud Wt out |
| | DTG | Nil | Mud Wt in | | Mud Wt out |

SHOWS

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc **Date:** Sept. 14, 2010
Lease: Kettle #1-10-3-1 **G.L.** 5042'
Location: SW/SE Sec.10,T3S,R1W **K.B.** 5066'
County/State: Duchesne Co., Utah **Geologist:** Dennis Springer
7:00a.m. Depth: 10,972' **Progress:** Nil **Operation:** TIH Drill Cement & DV Tool, Wash
 and Ream Cement Drill Float
NB#10,8 1/2",RTC,SRE616D,PDC **10 cut 2414' in 93.5 Hrs**
Dev 10,857'MD .04deg @ 82.77azm
Mud Ck 10972' **Wt** 13.5 **Vis** 42 **PV** 15 **YP** 14 **PH** 11.6 **F** 18.6 **Chl** 34,000
Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'
24 Hr. Lithology: N/A

| | | | | | | |
|----------------|-----------------|-------------|------------------|-------------|-------------------|-------------|
| Mud Gas | Trip Gas | 1960 | Mud Wt in | 13.5 | Mud Wt out | 13.5 |
| | Conn Gas | Nil | Mud Wt in | | Mud Wt out | |
| | BG | Nil | Mud Wt in | | Mud Wt out | |
| | FG | Nil | Mud Wt in | | Mud Wt out | |
| | DTG | Nil | Mud Wt in | | Mud Wt out | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Cut/ Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|-----------|
| | | | | | | | | | |

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc **Date:** Sept. 16, 2010
Lease: Kettle #1-10-3-1 **G.L.:** 5042'
Location: SW/SE Sec.10,T3S,R1W **K.B.:** 5066'
County/State: Duchesne Co., Utah **Geologist:** Dennis Springer

7:00a.m. Depth: 11372' **Progress:** 400 **Operation:** Drilling 6" hole

NB#11, 6", Ultra, MS1655CD, PDC **10 cut 2414' in 93.5 Hrs**

Dev 10,857' MD .04deg @ 82.77azm

Mud Ck 11047' Wt 13.7 Vis 45 PV 19 YP 15 PH 11.2 F 9.2 Chl 32,000

Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534' Massive Red Bed 9664'

24 Hr. Lithology: Shale 0-100%, Sandstone 0-100%

SH-blk dk gy, blk-y-plty, rthy, mod frm, carb, calc,

SS-wh lt gy s&p, vf(l)-f(u)gr, sbang, cly mtx, p vis por, fri, no show

| | | | | |
|----------------|-----------------|-------------|-----------------------|-----------------------------------|
| Mud Gas | Trip Gas | 2345 | Mud Wt in 13.9 | Mud Wt out 13.7 after shoe |
| | Conn Gas | 3555 | Mud Wt in 13.6 | Mud Wt out 13.6 |
| | BG | 800 | Mud Wt in 13.6 | Mud Wt out 13.6 |
| | FG | 3370 | Mud Wt in 13.6 | Mud Wt out 13.6 |
| | DTG | Nil | Mud Wt in | Mud Wt out |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|-------------|-------|---------|------|-------|------------|------------|------|-------|------|
| 11094-11110 | 16 | 5-2 ½-5 | 3370 | nil | 13.6/13.6 | Fair 8-10% | nil | nil | SS |

Note Show Lith SS-wh clr s&p, f(l)-m(u) gr, sbang,m-psrt, pred cln occ wh cly mtx, f por 8-10%, fri, calc cmt, no stn, no flor,sl mlky cut, see show report #14

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc **Date:** Sept. 17, 2010
Lease: Kettle #1-10-3-1 **G.L.** 5042'
Location: SW/SE Sec.10,T3S,R1W **K.B.** 5066'
County/State: Duchesne Co., Utah **Geologist:** Dennis Springer

7:00a.m. Depth: 11941' **Progress:** 569 **Operation:** Drilling 6" hole

NB#11, 6",Ultra,MS1655CD,PDC **10 cut 2414' in 93.5 Hrs**

Dev 10,857'MD .04deg @ 82.77azm

Mud Ck 11585' Wt 13.5 Vis 46 PV 17 YP 10 PH 11.6 F 6.9 Chl 30,000

Formation: Massive Red Bed Tops: Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250',
 Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534'
 Massive Red Bed 9664'

24 Hr. Lithology: Shale 0-100%, Sandstone 0-100%

SH-varigated rdbrn brn mar (70%) lt-m gy (30%) sbblky, rthy, sft, sl calc

SS-clr wh frstd, vf(l)-m(l) gr, sbang, m srt, cly mtx, p vis por, fri, calc, no show

| | | | | |
|----------------|-----------------|-------------|-----------------------|------------------------|
| Mud Gas | Trip Gas | N/A | Mud Wt in | Mud Wt |
| | Conn Gas | 6221 | Mud Wt in 13.7 | Mud Wt out 13.5 |
| | BG | 170 | Mud Wt in 13.7 | Mud Wt out 13.6 |
| | FG | N/A | Mud Wt in | Mud Wt out |
| | DTG | Nil | Mud Wt in | Mud Wt out |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
| | | | | | | | | | |

Note Show

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc **Date:** Sept. 18, 2010
Lease: Kettle #1-10-3-1 **G.L.** 5042'
Location: SW/SE Sec.10,T3S,R1W **K.B.** 5066'
County/State: Duchesne Co., Utah **Geologist:** Dennis Springer

7:00a.m. Depth: 12000' TD **Progress:** 59 **Operation:** Logging

NB#11, 6", Ultra, MS1655CD, PDC **11 cut 1028' in 46 ¾ Hrs**

Dev 10,857' MD .04deg @ 82.77azm

Mud Ck 12000' Wt 13.75 Vis 51 PV 25 YP 12 PH 10.5 F 6.0 Chl 30,000

Formation: Massive Red Bed **Tops:** Castle Peak 8114', CP 80 8206', Bar "F" Uncon. 8250', Ute Land Butte 8317', CP 90 8509', Wasatch 8756', Red Beds 9448', CP 190 9534' Massive Red Bed 9664'

24 Hr. Lithology: Shale 8-100%, Sandstone 0-20%

SH-varigated rdbrn brn mar (80%) lt-m gy (20%) sbblky, rthy, sft, sl calc

SS-clr wh frstd, vf(l)-m(l) gr, sbang, m srt, cly mtx, p vis por, fri, calc, no show

| | | | | |
|----------------|-----------------|-------------|-----------------------|-----------------------------------|
| Mud Gas | Trip Gas | 7000 | Mud Wt in 13.7 | Mud Wt out 13.5 short trip |
| | Conn Gas | 6221 | Mud Wt in 13.7 | Mud Wt out 13.5 |
| | BG | 150 | Mud Wt in 13.7 | Mud Wt out 13.6 |
| | FG | N/A | Mud Wt in | Mud Wt out |
| | DTG | Nil | Mud Wt in | Mud Wt out |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
| | | | | | | | | | |

Note Show

MORNING GEOLOGIC REPORT

| | |
|--|-----------------------------------|
| Company: Harvest (US) Holdings, Inc | Date: Sept. 19, 2010 |
| Lease: Kettle #1-10-3-1 | G.L. 5042' |
| Location: SW/SE Sec.10,T3S,R1W | K.B. 5066' |
| County/State: Duchesne Co., Utah | Geologist: Dennis Springer |

7:00a.m. Depth: 12000' TD **Progress:** Nil **Operation:** TOH for Liner

NB#11, 6",Ultra,MS1655CD,PDC **11 cut 1028' in 46 ¾ Hrs**

Dev 12000'MD 2 deg

Mud Ck 12000' **Wt** 13.75 **Vis** 51 **PV** 25 **YP** 12 **PH** 10.5 **F** 6.0 **Chl** 30,000

Formation: Massive Red Bed E Log **Tops:** Castle Peak 8098', CP 80 81866', Bar "F" Uncon. 8210', Ute Land Butte 8310', CP 90 8476', Wasatch 8718', Red Beds 9458', CP 190 9608' CP 200 9660 CP 210 9706 Massive Red Bed 11396'

24 Hr. Lithology NA

SH-varigated rdbrn brn mar (80%) lt-m gy (20%) sbblky, rthy, sft, sl calc

SS-clr wh frstd, vf(l)-m(l) gr, sbang, m srt, cly mtx, p vis por, fri, calc, no show

| | | | | | | |
|----------------|-----------------|-------------|------------------|-------------|-------------------|-------------|
| Mud Gas | Trip Gas | 1464 | Mud Wt in | 13.7 | Mud Wt out | 13.7 |
| | Conn Gas | NA | Mud Wt in | 13.7 | Mud Wt out | 13.5 |
| | BG | 250 | Mud Wt in | 13.7 | Mud Wt out | 13.7 |
| | FG | N/A | Mud Wt in | | Mud Wt out | |
| | DTG | Nil | Mud Wt in | | Mud Wt out | |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
| | | | | | | | | | |

Note Show

MORNING GEOLOGIC REPORT

Company: Harvest (US) Holdings, Inc **Date:** Sept. 20, 2010
Lease: Kettle #1-10-3-1 **G.L.** 5042'
Location: SW/SE Sec.10,T3S,R1W **K.B.** 5066' **County/State:**
 Duchesne Co., Utah **Geologist:** Dennis Springer

7:00a.m. Depth: 12000' TD **Progress:** Nil **Operation:** Circ Liner

NB#11, 6",Ultra,MS1655CD,PDC 11 cut 1028' in 46 ¾ Hrs

Dev 12000'MD 2 deg

Mud Ck 12000' Wt 13.75 Vis 51 PV 25 YP 12 PH 10.5 F 6.0 Chl 30,000

Formation: Massive Red Bed E Log **Tops:** Castle Peak 8098', CP 80 81866', Bar "F" Uncon. 8210', Ute Land Butte 8310', CP 90 8476', Wasatch 8718', Red Beds 9458', CP 190 9608' CP 200 9660 CP 210 9706 Massive Red Bed 11396'

24 Hr. Lithology NA

SH-varigated rdbrn brn mar (80%) lt-m gy (20%) sbbkly, rthy, sft, sl calc

SS-clr wh frstd, vf(l)-m(l) gr, sbang, m srt, cly mtx, p vis por, fri, calc, no show

| | | | | |
|----------------|-----------------|-------------|-----------------------|------------------------|
| Mud Gas | Trip Gas | 3375 | Mud Wt in 13.7 | Mud Wt out 13.7 |
| | Conn Gas | NA | Mud Wt in 13.7 | Mud Wt out 13.5 |
| | BG | 750 | Mud Wt in 13.7 | Mud Wt out 13.7 |
| | FG | N/A | Mud Wt in | Mud Wt out |
| | DTG | Nil | Mud Wt in | Mud Wt out |

SHOWS

| INTERVAL | Gross | P/Rate | Peak | Flare | Mud in/out | Porosity | Flor | Stain | Lith |
|----------|-------|--------|------|-------|------------|----------|------|-------|------|
| | | | | | | | | | |

Note Show

Hydrocarbon Ratio Analysis

| Show | DEPTH (feet) | | Gas | Total Gas | C1 (ppm) | C2 (ppm) | C3 (ppm) | C4 (ppm) | C1/C2 | C1/C3 | C1/C4 | Formation | Comments |
|------|--------------|------|------|-----------|----------|----------|----------|----------|-------|-------|-------|-----------|---|
| 1 | 4568 | 4604 | Peak | 504 | 39981 | 4596 | 2898 | 2952 | 9 | 11 | 12 | GR | SH-m-dk brn oil sh , blk oil tar over shaker |
| | | | BG | 118 | 10242 | 1252 | 305 | 387 | | | | | |
| | | | Net | 386 | 29739 | 3344 | 2593 | 2565 | | | | | |
| 2 | 5655 | 5664 | Peak | 763 | 65037 | 9660 | 17105 | 373 | 6 | 32 | 150 | GR | SS-vf-fgr,tt,lt brn stn,pale yel flor,flash yel cut |
| | | | BG | 66 | 10545 | 620 | 10 | 10 | | | | | |
| | | | Net | 697 | 54492 | 9040 | 1710 | 363 | | | | | |
| 3 | 5970 | 5985 | Peak | 758 | 68612 | 6135 | 1097 | 10 | 18 | 56 | 6150 | GR | oil sh immd strmg yel cut |
| | | | BG | 98 | 7113 | 2751 | 0 | 0 | | | | | |
| | | | Net | 670 | 61499 | 3384 | 1097 | 10 | | | | | |
| 4 | 6350 | 6366 | Peak | 1477 | 118254 | 23838 | 5159 | 822 | 5 | 24 | 133 | GR | oil sh immd strmg yel cut |
| | | | BG | 260 | 22893 | 3429 | 1116 | 106 | | | | | |
| | | | Net | 1217 | 95361 | 20409 | 4043 | 716 | | | | | |
| 5 | 6797 | 6820 | Peak | 1059 | 98975 | 11628 | 3575 | 1704 | 8 | 27 | 70 | GR | oil sh slow strmg yel cut |
| | | | BG | 261 | 22872 | 2506 | 803 | 610 | | | | | |
| | | | Net | 798 | 76103 | 9122 | 2772 | 1094 | | | | | |
| 6 | 6830 | 6838 | Peak | 1065 | 86970 | 13300 | 4916 | 1303 | 6 | 16 | 66 | GR | oil sh slow strmg yel cut |
| | | | BG | 430 | 35884 | 5429 | 1793 | 529 | | | | | |
| | | | Net | 635 | 51086 | 7871 | 3123 | 774 | | | | | |

Figure 1.0 Test Data

Hydrocarbon Ratio Analysis

| | | | | | | | | | | | | | |
|----|-------|-------|------|------|--------|--------|-------|-------|---|----|----|----|--|
| 7 | 7423 | 7452 | Peak | 3425 | 241984 | 54926 | 30857 | 14779 | 4 | 8 | 16 | GR | SS-vf-fgr,tt,lt brn stn,pale yel flor,flash yel cut, |
| | | | BG | 245 | 17922 | 3535 | 2289 | 780 | | | | | |
| | | | Net | 3180 | 224062 | 51391 | 28568 | 13999 | | | | | |
| 8 | 7468 | 7488 | Peak | 4180 | 284401 | 75820 | 30358 | 27453 | 3 | 13 | 9 | GR | SS-ltbrn-gy,vf(l)gr,tt,brn stn,fst strmg yel cut |
| | | | BG | 1595 | 109520 | 24865 | 17139 | 8005 | | | | | |
| | | | Net | 2585 | 174881 | 50955 | 13219 | 19448 | | | | | |
| 9 | 8115 | 8172 | Peak | 1146 | 85633 | 17470 | 6457 | 5083 | 5 | 14 | 18 | GR | Oil Sh-dkbrn-blk,v carb,no flor, mlky yel cut |
| | | | BG | 227 | 16764 | 3317 | 1469 | 1227 | | | | | |
| | | | Net | 919 | 68869 | 14153 | 4988 | 3856 | | | | | |
| 10 | 8323 | 8350 | Peak | 2014 | 147787 | 38296 | 15466 | 5891 | 4 | 11 | 29 | GR | Oil Sh-dkbrn-blk,v carb,no flor, mlky yel cut |
| | | | BG | 394 | 25924 | 7193 | 4595 | 1750 | | | | | |
| | | | Net | 1620 | 121863 | 31103 | 10871 | 4141 | | | | | |
| 11 | 9553 | 9571 | Peak | 675 | 104556 | 24167 | 10378 | 3383 | 4 | 10 | 34 | GR | Well Kicked went thru gas buster, green oil over shaker 10% |
| | | | BG | 23 | 1067 | 497 | 451 | 307 | | | | | |
| | | | Net | 652 | 103489 | 23670 | 9927 | 3076 | | | | | |
| 12 | 10902 | 10923 | Peak | 753 | 60241 | 10166 | 2765 | 2191 | 3 | 21 | 27 | GR | SH-SltSt-SS Milky Yel Cut |
| | | | BG | 468 | 39494 | 4165 | 1780 | 1426 | | | | | |
| | | | Net | 285 | 20747 | 6001 | 985 | 765 | | | | | |
| 13 | 10956 | 10968 | Peak | 3818 | 499804 | 172528 | 71613 | 36996 | 3 | 6 | 11 | GR | SH-SltSt-SS Well Kicked went thru gas buster 15' Flare |
| | | | BG | 598 | 118865 | 25932 | 6130 | 3804 | | | | | |
| | | | Net | 3220 | 380939 | 146596 | 65483 | 33192 | | | | | |
| 14 | 11094 | 11110 | Peak | 3315 | 282282 | 77179 | 27882 | 13344 | 4 | 10 | 20 | GR | SS Wh Lt Gy S&P Vf(u)-M(u) msrt,sb ang,wh cly mtx, carb incl,sl calc,fair por, no stn, no show |
| | | | BG | 112 | 9567 | 1252 | 416 | 0 | | | | | |
| | | | Net | 3203 | 272715 | 75927 | 27466 | 13344 | | | | | |

Figure 1.0 Test Data (Cont.)

Hydrocarbon Ratio Analysis

Show 1 4568'-4604'

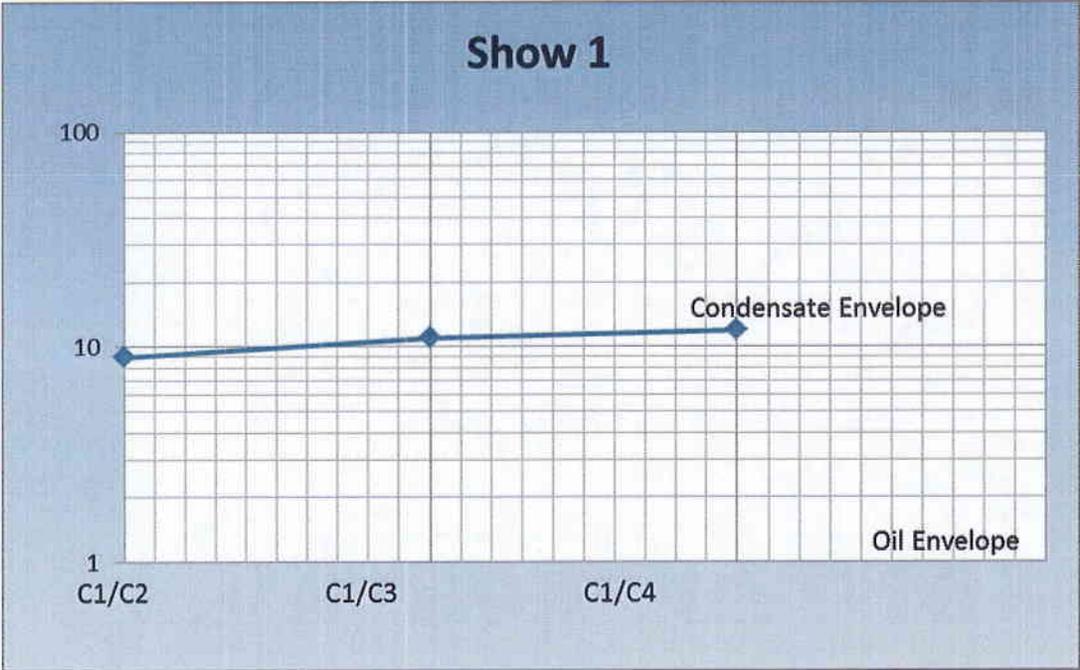


Figure 1.1 Show 1

Hydrocarbon Ratio Analysis

Show 2 5655'-5664

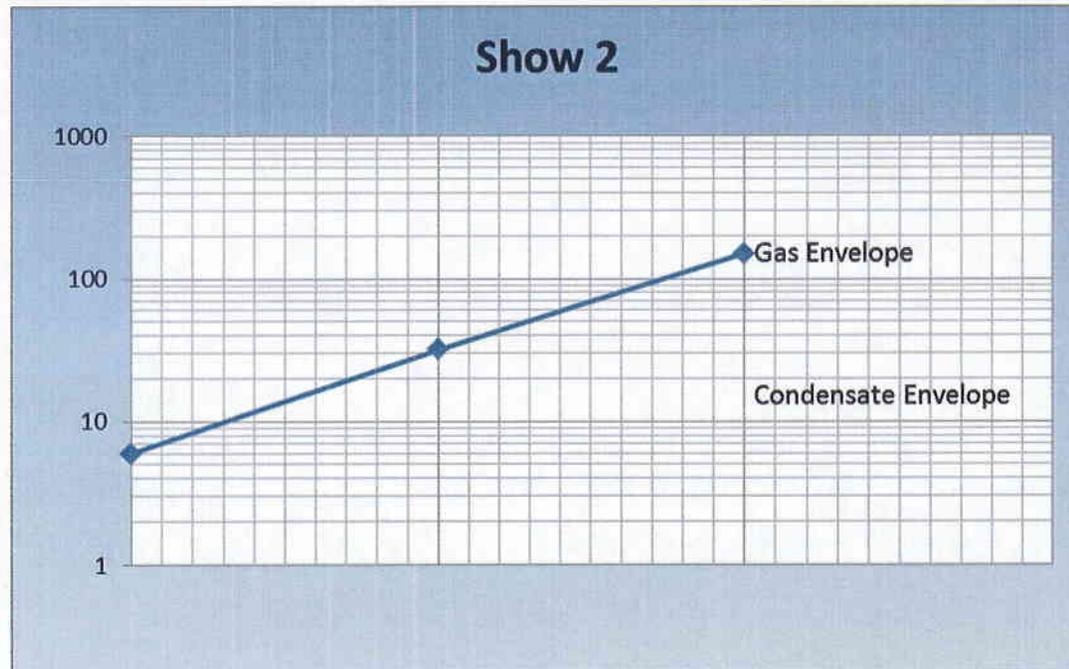


Figure 1.2 Show 2

Hydrocarbon Ratio Analysis

Show 3 5970'-5985'

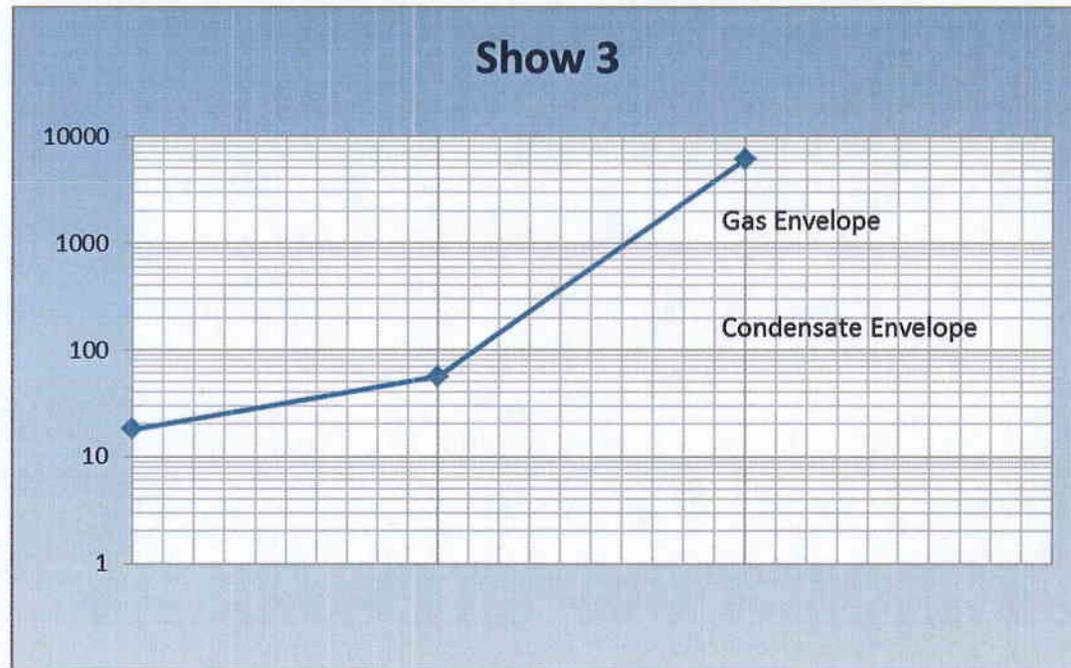


Figure 1.3 Show 3

Show 4 6350'-6366'

Hydrocarbon Ratio Analysis

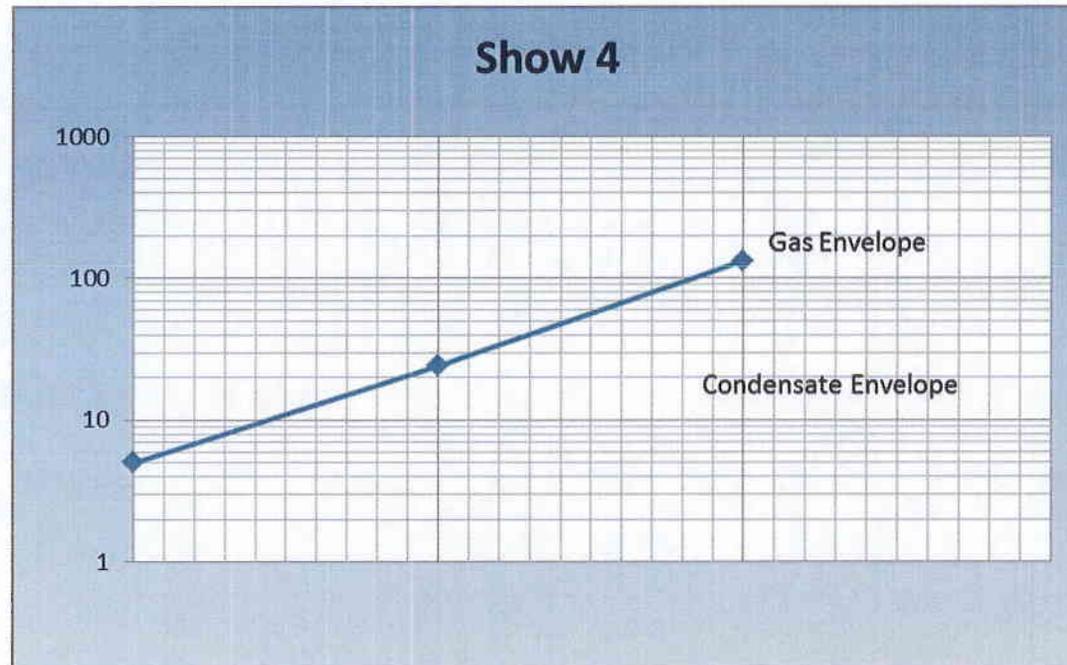


Figure 1.4 Show 4

Show 5 6796'-6820'

Hydrocarbon Ratio Analysis

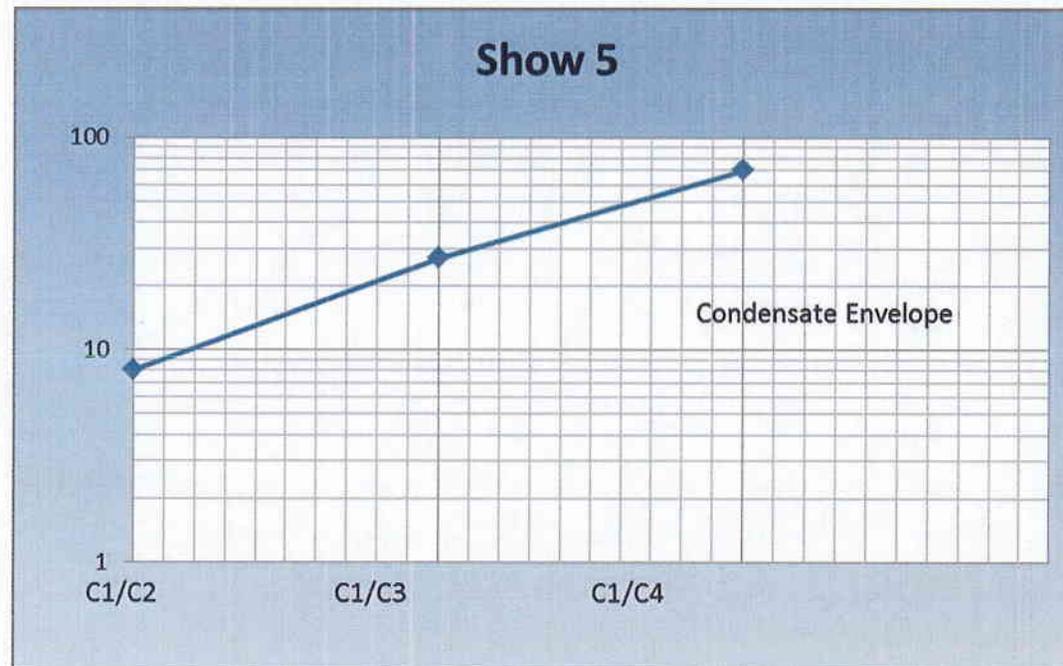


Figure 1.5 Show 5

Show 6 6830'-6838'

Hydrocarbon Ratio Analysis

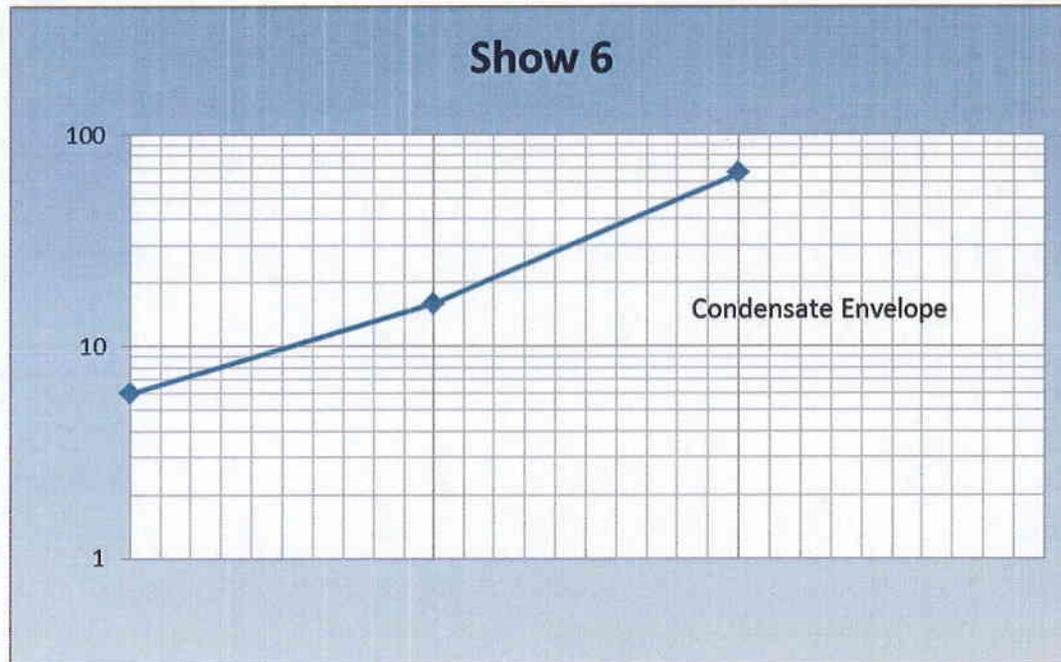


Figure 1.6 Show 6

Show 7 7423'-7452'

Hydrocarbon Ratio Analysis

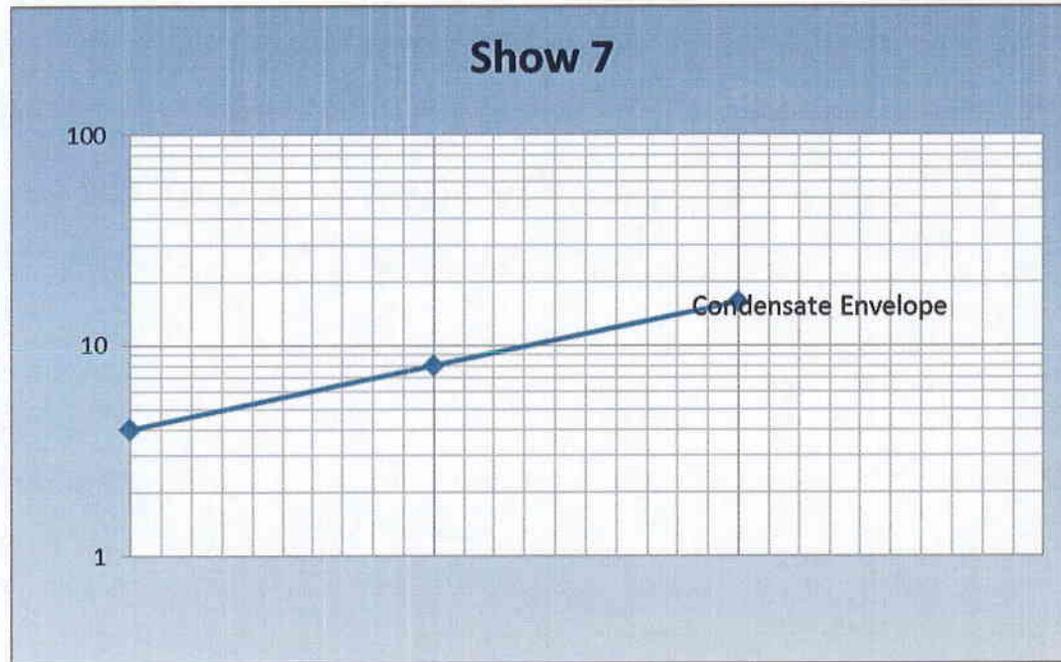


Figure 1.7 Show 7

Show 8 7468'-7488'

Hydrocarbon Ratio Analysis

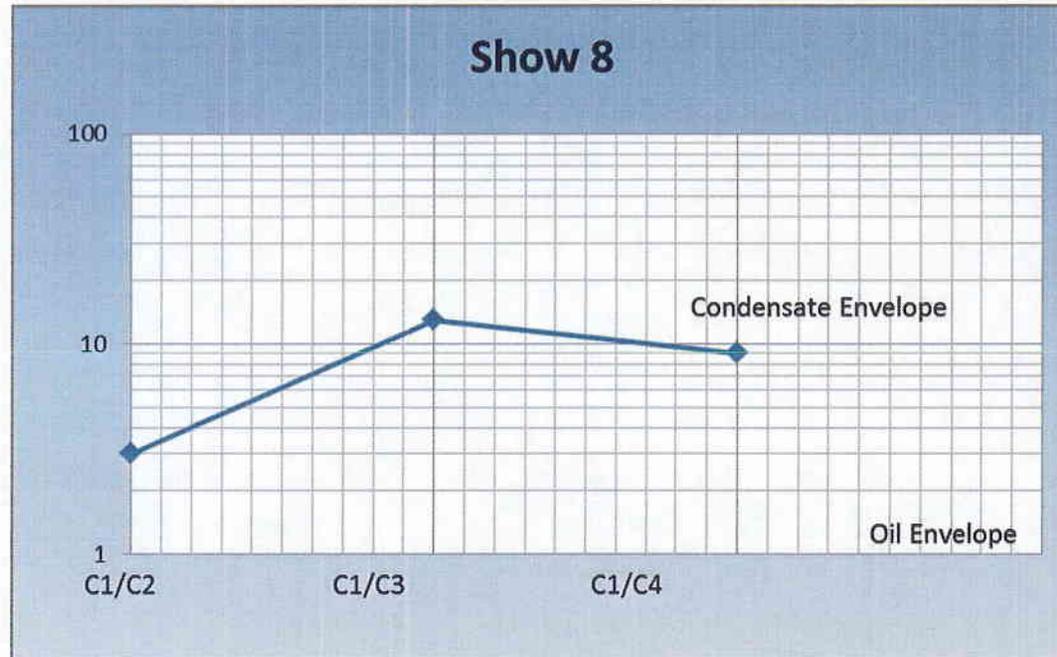


Figure 1.8 Show 8

Show 9 8115'-8172'

Hydrocarbon Ratio Analysis

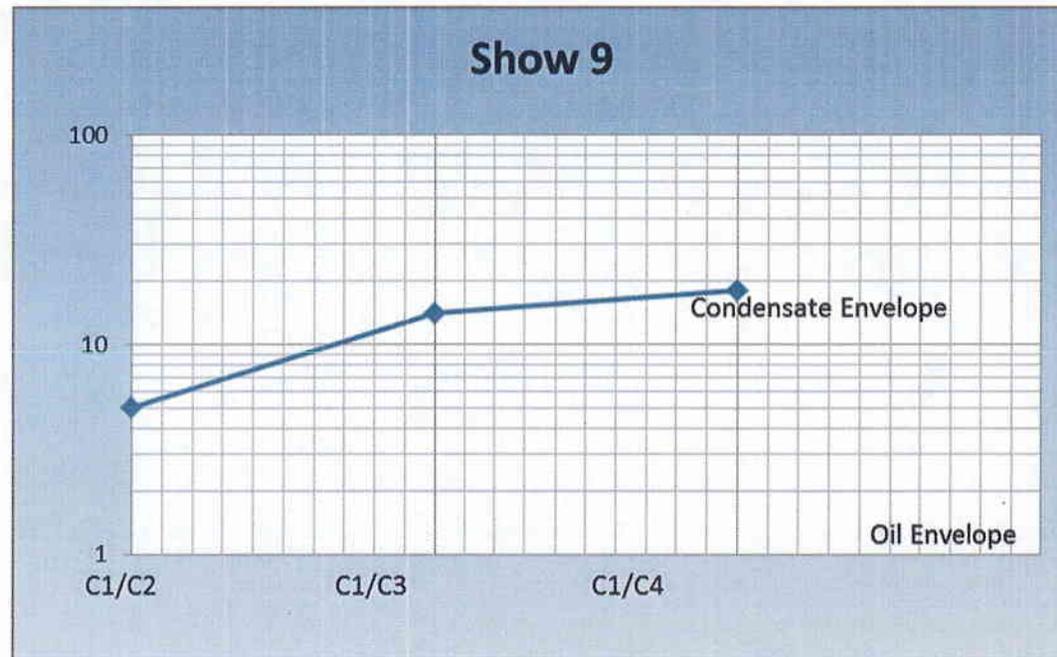


Figure 1.9 Show 9

Show 10 8323'-8350'

Hydrocarbon Ratio Analysis

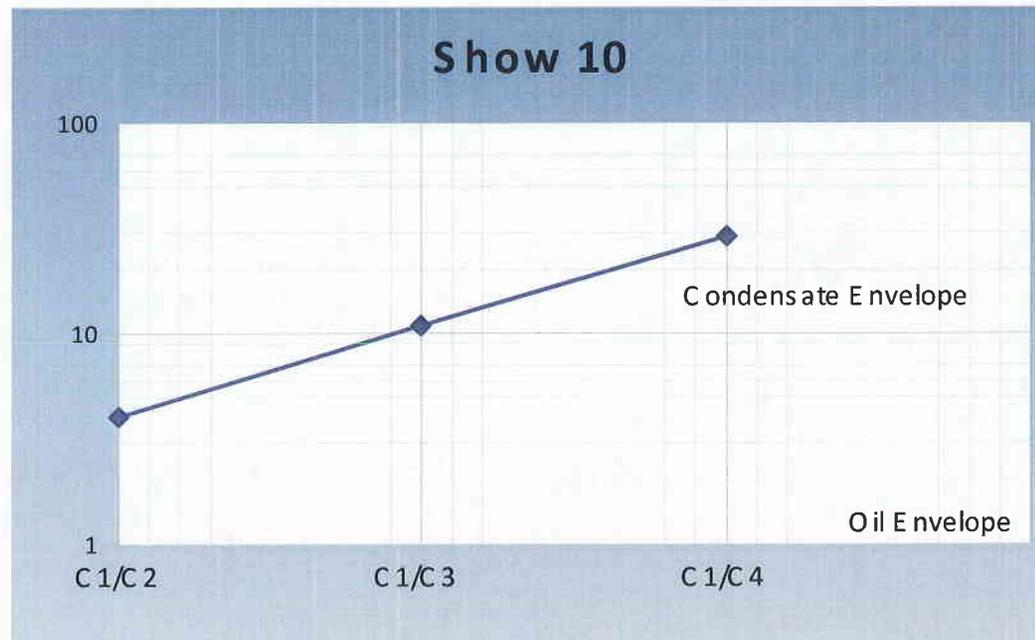


Figure 1.10 Show 10

Show 11 9553'-9571'

Hydrocarbon Ratio Analysis

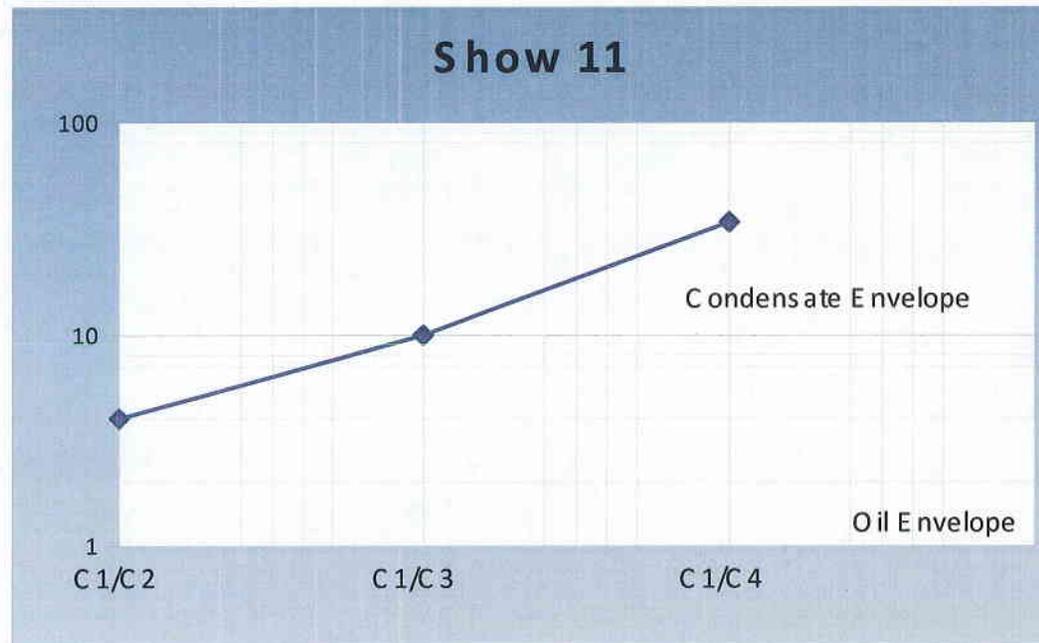


Figure 1.11 Show 11

Show 12 10902'-10923'

Hydrocarbon Ratio Analysis

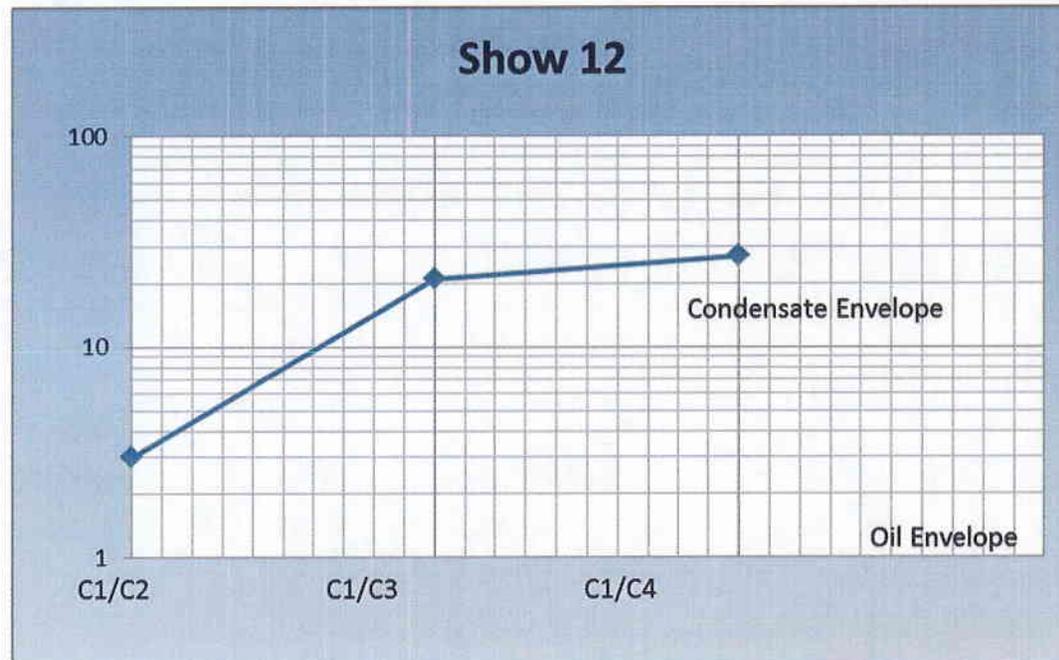


Figure 1.12 Show 12

Show 13 10956'-10968'

Hydrocarbon Ratio Analysis

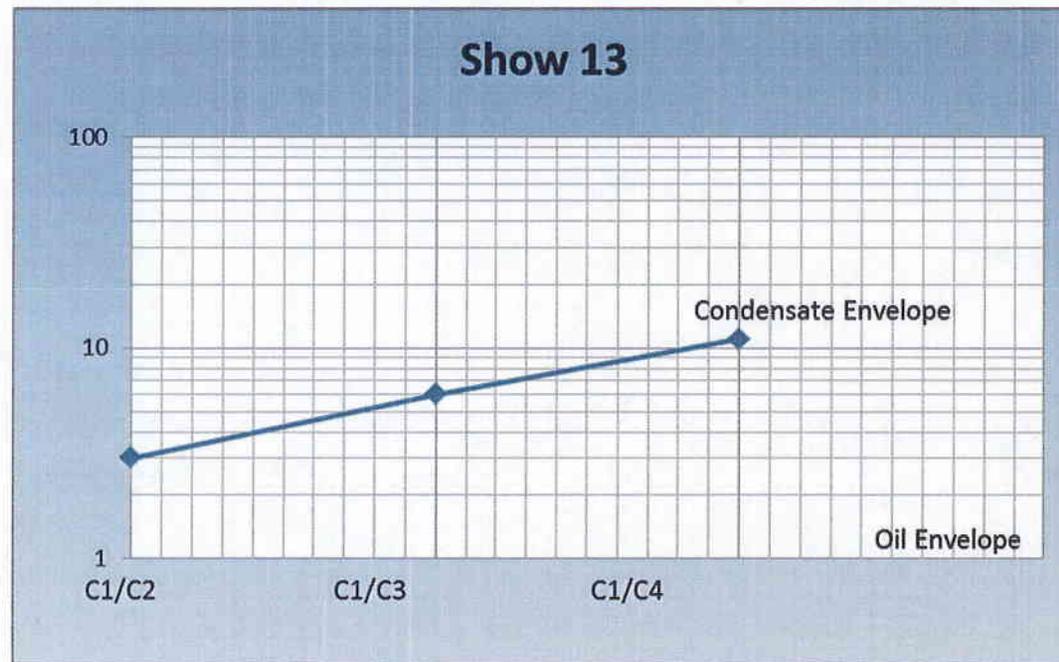


Figure 1.13 Show 13

Show 14 11094'-11110'

Hydrocarbon Ratio Analysis

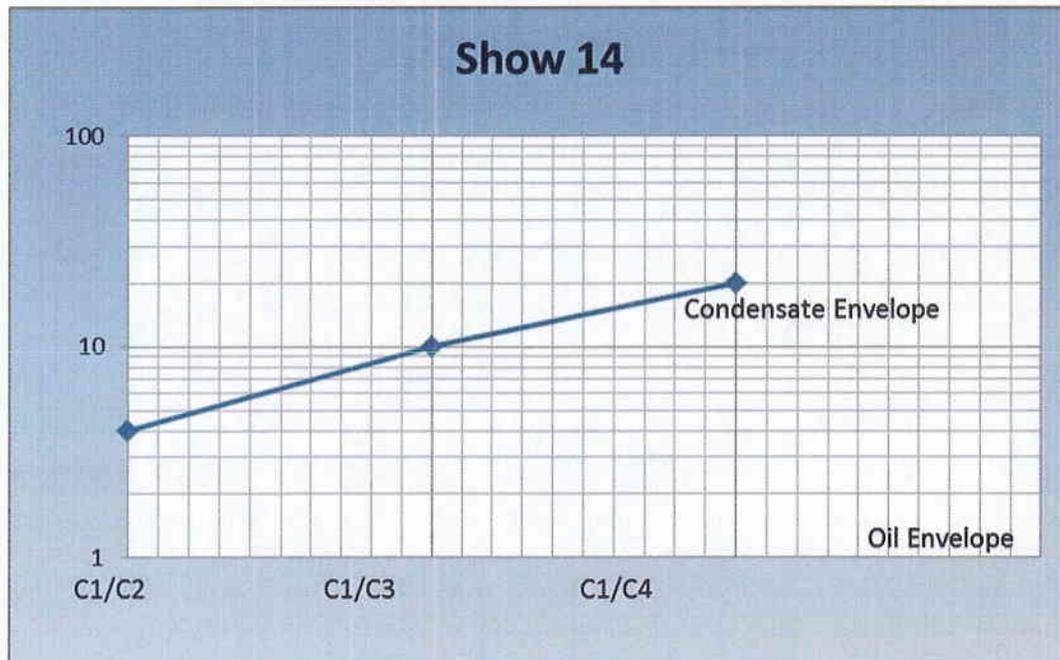


Figure 1.14 Show 14

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Harvest (US) Holdings, Inc. Operator Account Number: N 3520
 Address: 1177 Enclave Parkway
city Houston
state TX zip 77077 Phone Number: (281) 899-5722

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|-----------|-----|----------------------------------|-----|---------------------------------------|
| 4301350396 | Kettle #1-10-3-1 | | SWSE | 10 | 03S | 01W | Duchesne |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | Entity Assignment Effective Date | | |
| <i>AE</i> | <i>17708</i> | 17708 | 7/14/2010 | | 10/21/10 | | |
| Comments: The well was spud utilizing Craigs at 1000 hrs. Conductor was set at 67' The referenced well was completed as <u>GR-WS</u> effective 10/21/2010. | | | | | | | CONFIDENTIAL <i>2/23/11</i> |

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | Entity Assignment Effective Date | | |
| | | | | | | | |
| Comments: | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | Entity Assignment Effective Date | | |
| | | | | | | | |
| Comments: | | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Don Hamilton

Name (Please Print)

Don Hamilton

Signature

Agent for Harvest

7/21/2010

Title

Date

(5/2000)

RECEIVED

FEB 17 2011

DIV. OF OIL, GAS & MINING

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT [] FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [] DRY [] OTHER []
b. TYPE OF WORK: NEW WELL [X] HORIZ. LATS. [] DEEP-EN [] RE-ENTRY [] DIFF. RESVR. [] OTHER Vertical

2. NAME OF OPERATOR: Harvest (US) Holdings, Inc.

3. ADDRESS OF OPERATOR: 1177 Enclave Parkway CITY Houston STATE TX ZIP 77077 PHONE NUMBER: (281) 899-5722

4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 981' FSL & 2141' FEL, AT TOP PRODUCING INTERVAL REPORTED BELOW: 981' FSL & 2141' FEL, AT TOTAL DEPTH: 981' FSL & 2141' FEL, BHL Reviewed by HSM

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT OR CA AGREEMENT NAME: N/A

8. WELL NAME and NUMBER: Kettle #1-10-3-1

9. API NUMBER: 4301350396

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 10 3S 1W U

12. COUNTY: Duchesne 13. STATE: UTAH

14. DATE SPUNDED: 7/14/2010 15. DATE T.D. REACHED: 9/17/2010 16. DATE COMPLETED: 10/21/2010 ABANDONED [] READY TO PRODUCE [X]

17. ELEVATIONS (DF, RKB, RT, GL): 5040

18. TOTAL DEPTH: MD 12,002 TVD 12,002

19. PLUG BACK T.D.: MD 11,913 TVD 11,913

20. IF MULTIPLE COMPLETIONS, HOW MANY? * 9 frac stages

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) HRLA; CN; RST; GR; MSIP; CHFR

23. WAS WELL CORED? NO [X] YES [] (Submit analysis) WAS DST RUN? NO [X] YES [] (Submit report) DIRECTIONAL SURVEY? NO [] YES [X] (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

Table with columns: HOLE SIZE, SIZE/GRADE, WEIGHT (#/ft.), TOP (MD), BOTTOM (MD), STAGE CEMENTER DEPTH, CEMENT TYPE & NO. OF SACKS, SLURRY VOLUME (BBL), CEMENT TOP **, AMOUNT PULLED

25. TUBING RECORD

Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD)

26. PRODUCING INTERVALS

27. PERFORATION RECORD

Table with columns: FORMATION NAME, TOP (MD), BOTTOM (MD), TOP (TVD), BOTTOM (TVD), INTERVAL (Top/Bot - MD), SIZE, NO. HOLES, PERFORATION STATUS

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

Table with columns: DEPTH INTERVAL, AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

Checkboxes for ELECTRICAL/MECHANICAL LOGS, GEOLOGIC REPORT, DST REPORT, DIRECTIONAL SURVEY, SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION, CORE ANALYSIS, OTHER

30. WELL STATUS:

Producing

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FEB 08 2011

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

| | | | | | | | | | | |
|------------------------------------|------------------|--------------------------|----------------------|----------------------|------------------------|---------------------------|---------------------|----------------------|------------------------|-----------------------------|
| DATE FIRST PRODUCED: 10/21/2010 | | TEST DATE: 10/29/2010 | | HOURS TESTED: 192 | | TEST PRODUCTION RATES: → | OIL – BBL: 4,628 | GAS – MCF: 18,876 | WATER – BBL: 10,192 | PROD. METHOD: Flow |
| CHOKE SIZE: 24 | TBG. PRESS. 0 | CSG. PRESS. 2,200 | API GRAVITY 40.00 | BTU – GAS 1,190 | GAS/OIL RATIO 2,960 | 24 HR PRODUCTION RATES: → | OIL – BBL: 1,035 | GAS – MCF: 3,064 | WATER – BBL: 940 | INTERVAL STATUS: Testing |

INTERVAL B (As shown in item #26)

| | | | | | | | | | | |
|----------------------|-------------|-------------|-------------|---------------|---------------|---------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: | | TEST DATE: | | HOURS TESTED: | | TEST PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | PROD. METHOD: |
| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | INTERVAL STATUS: |

INTERVAL C (As shown in item #26)

| | | | | | | | | | | |
|----------------------|-------------|-------------|-------------|---------------|---------------|---------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: | | TEST DATE: | | HOURS TESTED: | | TEST PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | PROD. METHOD: |
| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | INTERVAL STATUS: |

INTERVAL D (As shown in item #26)

| | | | | | | | | | | |
|----------------------|-------------|-------------|-------------|---------------|---------------|---------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: | | TEST DATE: | | HOURS TESTED: | | TEST PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | PROD. METHOD: |
| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | INTERVAL STATUS: |

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Flared

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

| Formation | Top (MD) | Bottom (MD) | Descriptions, Contents, etc. | Name | Top (Measured Depth) |
|-------------|----------|-------------|------------------------------|---------------|----------------------|
| Wasatch | 9,718 | 11,613 | Laminated Sand | Green River | 3,735 |
| Green River | 8,198 | 9,718 | Laminated Sand | Uteland Butte | 8,310 |
| | | | | Wasatch | 9,718 |

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for Harvest (US) Holdings, Inc.
 SIGNATURE Don Hamilton DATE 1/25/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
 Fax: 801-359-3940

43-013-50396
Kettle 1-10-3-1

| Seq # | Measured depth (ft) | Incl angle (deg) | Azimuth angle (deg) | Course length (ft) | TVD depth (ft) | Vertical section (ft) | Displ +N/S- (ft) | Displ +E/W- (ft) |
|-------|---------------------|------------------|---------------------|--------------------|----------------|-----------------------|------------------|------------------|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2 | 100 | 0.25 | 171.96 | 100 | 100 | -0.22 | -0.22 | 0.03 |
| 3 | 200 | 0.25 | 211.96 | 100 | 200 | -0.62 | -0.62 | -0.05 |
| 4 | 300 | 0.25 | 267.96 | 100 | 300 | -0.81 | -0.81 | -0.39 |
| 5 | 400 | 0.25 | 260.96 | 100 | 400 | -0.85 | -0.85 | -0.82 |
| 6 | 500 | 0 | 0 | 100 | 500 | -0.89 | -0.89 | -1.04 |
| 7 | 600 | 0.25 | 171.96 | 100 | 600 | -1.1 | -1.1 | -1.01 |
| 8 | 700 | 0.25 | 187.96 | 100 | 699.99 | -1.53 | -1.53 | -1.01 |
| 9 | 800 | 0.25 | 204.96 | 100 | 799.99 | -1.95 | -1.95 | -1.13 |
| 10 | 900 | 0.25 | 224.96 | 100 | 899.99 | -2.3 | -2.3 | -1.37 |
| 11 | 1000 | 0.25 | 253.96 | 100 | 999.99 | -2.52 | -2.52 | -1.74 |
| 12 | 1100 | 0.25 | 176.96 | 100 | 1099.99 | -2.79 | -2.79 | -1.94 |
| 13 | 1200 | 0.5 | 169.96 | 100 | 1199.99 | -3.44 | -3.44 | -1.85 |
| 14 | 1300 | 0.5 | 191.96 | 100 | 1299.99 | -4.3 | -4.3 | -1.86 |
| 15 | 1400 | 0.5 | 205.96 | 100 | 1399.98 | -5.12 | -5.12 | -2.14 |
| 16 | 1500 | 0.5 | 238.96 | 100 | 1499.98 | -5.73 | -5.73 | -2.71 |
| 17 | 1600 | 0.75 | 209.96 | 100 | 1599.97 | -6.53 | -6.53 | -3.41 |
| 18 | 1700 | 1 | 191.96 | 100 | 1699.96 | -7.95 | -7.95 | -3.92 |
| 19 | 1800 | 1.25 | 196.96 | 100 | 1799.94 | -9.84 | -9.84 | -4.42 |
| 20 | 1900 | 1.5 | 212.95 | 100 | 1899.91 | -11.99 | -11.99 | -5.45 |
| 21 | 2000 | 1.5 | 211.95 | 100 | 1999.88 | -14.19 | -14.19 | -6.85 |
| 22 | 2100 | 1.5 | 200.96 | 100 | 2099.84 | -16.53 | -16.53 | -8.01 |
| 23 | 2200 | 1.75 | 199.95 | 100 | 2199.8 | -19.18 | -19.18 | -9 |
| 24 | 2300 | 2.25 | 187.96 | 100 | 2299.74 | -22.56 | -22.56 | -9.79 |
| 25 | 2400 | 1.75 | 186.96 | 100 | 2399.68 | -26.02 | -26.02 | -10.25 |
| 26 | 2500 | 1.25 | 188.96 | 100 | 2499.65 | -28.62 | -28.62 | -10.61 |
| 27 | 2600 | 1 | 185.96 | 100 | 2599.63 | -30.56 | -30.56 | -10.87 |
| 28 | 2700 | 1 | 183.96 | 100 | 2699.61 | -32.3 | -32.3 | -11.02 |
| 29 | 2800 | 1.25 | 181.96 | 100 | 2799.59 | -34.26 | -34.26 | -11.11 |
| 30 | 2900 | 0.75 | 177.96 | 100 | 2899.58 | -36.01 | -36.01 | -11.13 |
| 31 | 3027 | 0.39 | 133.8 | 127 | 3026.57 | -37.14 | -37.14 | -10.79 |
| 32 | 3121 | 0.05 | 302.14 | 94 | 3120.57 | -37.33 | -37.33 | -10.59 |
| 33 | 3215 | 0.15 | 150.63 | 94 | 3214.57 | -37.42 | -37.42 | -10.57 |
| 34 | 3310 | 0.1 | 238.97 | 95 | 3309.57 | -37.57 | -37.57 | -10.58 |
| 35 | 3404 | 0.1 | 342.94 | 94 | 3403.57 | -37.54 | -37.54 | -10.67 |
| 36 | 3498 | 0.08 | 197.43 | 94 | 3497.57 | -37.52 | -37.52 | -10.71 |
| 37 | 3592 | 0.14 | 216.24 | 94 | 3591.57 | -37.67 | -37.67 | -10.8 |
| 38 | 3686 | 0.12 | 301.81 | 94 | 3685.57 | -37.72 | -37.72 | -10.95 |
| 39 | 3780 | 0.08 | 279.14 | 94 | 3779.57 | -37.65 | -37.65 | -11.1 |
| 40 | 3875 | 0.11 | 11.27 | 95 | 3874.57 | -37.55 | -37.55 | -11.15 |
| 41 | 3969 | 0.15 | 133.59 | 94 | 3968.57 | -37.55 | -37.55 | -11.04 |
| 42 | 4063 | 0.1 | 335.28 | 94 | 4062.57 | -37.56 | -37.56 | -10.99 |
| 43 | 4157 | 0.1 | 298.88 | 94 | 4156.57 | -37.45 | -37.45 | -11.09 |
| 44 | 4252 | 0.12 | 68.47 | 95 | 4251.57 | -37.37 | -37.37 | -11.07 |
| 45 | 4346 | 0.12 | 249.58 | 94 | 4345.57 | -37.37 | -37.37 | -11.07 |
| 46 | 4535 | 0.15 | 203.56 | 189 | 4534.57 | -37.66 | -37.66 | -11.36 |
| 47 | 4723 | 0.12 | 43.75 | 188 | 4722.57 | -37.75 | -37.75 | -11.32 |

| | | | | | | | NS | EW |
|----|-------|------|--------|-----|----------|--------|--------|--------|
| 48 | 4912 | 0.1 | 295.83 | 189 | 4911.57 | -37.53 | -37.53 | -11.33 |
| 49 | 5101 | 0.15 | 249.94 | 189 | 5100.57 | -37.54 | -37.54 | -11.71 |
| 50 | 5290 | 0.22 | 301.62 | 189 | 5289.57 | -37.44 | -37.44 | -12.25 |
| 51 | 5479 | 0.11 | 1.56 | 189 | 5478.57 | -37.07 | -37.07 | -12.56 |
| 52 | 5668 | 0.08 | 12.35 | 189 | 5667.56 | -36.76 | -36.76 | -12.53 |
| 53 | 5857 | 0.14 | 184.19 | 189 | 5856.56 | -36.86 | -36.86 | -12.51 |
| 54 | 6046 | 0.1 | 125.51 | 189 | 6045.56 | -37.18 | -37.18 | -12.4 |
| 55 | 6234 | 0.28 | 134.01 | 188 | 6233.56 | -37.6 | -37.6 | -11.93 |
| 56 | 6328 | 0.52 | 157.75 | 94 | 6327.56 | -38.15 | -38.15 | -11.61 |
| 57 | 6422 | 0.89 | 182.08 | 94 | 6421.55 | -39.28 | -39.28 | -11.47 |
| 58 | 6517 | 0.42 | 192.01 | 95 | 6516.55 | -40.36 | -40.36 | -11.57 |
| 59 | 6611 | 0.14 | 345.24 | 94 | 6610.55 | -40.58 | -40.58 | -11.67 |
| 60 | 6799 | 0.14 | 289.39 | 188 | 6798.55 | -40.28 | -40.28 | -11.95 |
| 61 | 6988 | 0.85 | 175.88 | 189 | 6987.54 | -41.61 | -41.61 | -12.06 |
| 62 | 7082 | 1.14 | 159.71 | 94 | 7081.52 | -43.18 | -43.18 | -11.69 |
| 63 | 7176 | 1.5 | 178.31 | 94 | 7175.5 | -45.28 | -45.28 | -11.33 |
| 64 | 7270 | 2.27 | 89.89 | 94 | 7269.46 | -46.51 | -46.51 | -9.43 |
| 65 | 7368 | 2.42 | 195.62 | 98 | 7367.42 | -48.5 | -48.5 | -8.05 |
| 66 | 7463 | 0.1 | 122 | 95 | 7462.39 | -50.48 | -50.48 | -8.52 |
| 67 | 7557 | 0.06 | 96.61 | 94 | 7556.39 | -50.53 | -50.53 | -8.4 |
| 68 | 7651 | 0.1 | 63.75 | 94 | 7650.39 | -50.49 | -50.49 | -8.28 |
| 69 | 7745 | 0.1 | 145.71 | 94 | 7744.39 | -50.53 | -50.53 | -8.16 |
| 70 | 7839 | 0.06 | 116.26 | 94 | 7838.39 | -50.62 | -50.62 | -8.06 |
| 71 | 8028 | 0.06 | 316.77 | 189 | 8027.39 | -50.59 | -50.59 | -8.04 |
| 72 | 8216 | 0.08 | 295.97 | 188 | 8215.39 | -50.46 | -50.46 | -8.23 |
| 73 | 8311 | 0.08 | 317.87 | 95 | 8310.39 | -50.38 | -50.38 | -8.33 |
| 74 | 8405 | 0.06 | 41.08 | 94 | 8404.39 | -50.29 | -50.29 | -8.35 |
| 75 | 8499 | 0.08 | 136.85 | 94 | 8498.39 | -50.31 | -50.31 | -8.27 |
| 76 | 8594 | 0.06 | 207.81 | 95 | 8593.39 | -50.4 | -50.4 | -8.25 |
| 77 | 8688 | 0.06 | 220.8 | 94 | 8687.39 | -50.48 | -50.48 | -8.3 |
| 78 | 8783 | 0.06 | 338.29 | 95 | 8782.39 | -50.47 | -50.47 | -8.35 |
| 79 | 8877 | 0.08 | 18.08 | 94 | 8876.39 | -50.36 | -50.36 | -8.35 |
| 80 | 8971 | 0.08 | 196.93 | 94 | 8970.39 | -50.36 | -50.36 | -8.35 |
| 81 | 9065 | 0.04 | 33.06 | 94 | 9064.39 | -50.4 | -50.4 | -8.35 |
| 82 | 9160 | 0.06 | 302.01 | 95 | 9159.39 | -50.34 | -50.34 | -8.37 |
| 83 | 9254 | 0.04 | 88.81 | 94 | 9253.39 | -50.32 | -50.32 | -8.38 |
| 84 | 9348 | 0.04 | 150.22 | 94 | 9347.39 | -50.34 | -50.34 | -8.33 |
| 85 | 9443 | 0.03 | 310.74 | 95 | 9442.39 | -50.36 | -50.36 | -8.34 |
| 86 | 9537 | 0.04 | 293.68 | 94 | 9536.39 | -50.33 | -50.33 | -8.38 |
| 87 | 9725 | 0.08 | 1.42 | 188 | 9724.39 | -50.17 | -50.17 | -8.44 |
| 88 | 9820 | 0.08 | 4.3 | 95 | 9819.39 | -50.04 | -50.04 | -8.43 |
| 89 | 9914 | 0.06 | 334.39 | 94 | 9913.39 | -49.93 | -49.93 | -8.45 |
| 90 | 10008 | 0.06 | 76.83 | 94 | 10007.39 | -49.87 | -49.87 | -8.42 |
| 91 | 10102 | 0.06 | 2.06 | 94 | 10101.39 | -49.81 | -49.81 | -8.37 |
| 92 | 10197 | 0.04 | 10.81 | 95 | 10196.39 | -49.73 | -49.73 | -8.37 |
| 93 | 10291 | 0.06 | 217.59 | 94 | 10290.39 | -49.74 | -49.74 | -8.39 |
| 94 | 10385 | 0.04 | 85.76 | 94 | 10384.39 | -49.77 | -49.77 | -8.39 |
| 95 | 10480 | 0.06 | 111.25 | 95 | 10479.39 | -49.79 | -49.79 | -8.31 |
| 96 | 10574 | 0.06 | 265.19 | 94 | 10573.39 | -49.81 | -49.81 | -8.31 |
| 97 | 10668 | 0.08 | 205.85 | 94 | 10667.39 | -49.87 | -49.87 | -8.39 |
| 98 | 10857 | 0.04 | 82.77 | 189 | 10856.39 | -49.98 | -49.98 | -8.38 |
| 99 | 10971 | 0.04 | 82.77 | 114 | 10970.39 | -49.97 | -49.97 | -8.3 |

| Total displ (ft) | At Azim (deg) | DLS (deg/ 100f) | Srvy tool type | Tool Corr (deg) |
|------------------------|---------------------|-----------------------|----------------------|-----------------------|
| 0 | 0 | 0 | TIP | None |
| 0.22 | 171.96 | 0.25 | MWD_M | None |
| 0.62 | 185.04 | 0.17 | MWD_M | None |
| 0.9 | 205.59 | 0.23 | MWD_M | None |
| 1.18 | 223.95 | 0.03 | MWD_M | None |
| 1.36 | 229.48 | 0.25 | MWD_M | None |
| 1.49 | 222.39 | 0.25 | MWD_M | None |
| 1.83 | 213.25 | 0.07 | MWD_M | None |
| 2.25 | 210.08 | 0.07 | MWD_M | None |
| 2.68 | 210.86 | 0.09 | MWD_M | None |
| 3.06 | 214.65 | 0.13 | MWD_M | None |
| 3.4 | 214.73 | 0.31 | MWD_M | None |
| 3.91 | 208.25 | 0.25 | MWD_M | None |
| 4.68 | 203.44 | 0.19 | MWD_M | None |
| 5.55 | 202.74 | 0.12 | MWD_M | None |
| 6.34 | 205.29 | 0.28 | MWD_M | None |
| 7.36 | 207.59 | 0.4 | MWD_M | None |
| 8.86 | 206.25 | 0.37 | MWD_M | None |
| 10.79 | 204.17 | 0.27 | MWD_M | None |
| 13.16 | 204.44 | 0.46 | MWD_M | None |
| 15.76 | 205.77 | 0.03 | MWD_M | None |
| 18.37 | 205.86 | 0.29 | MWD_M | None |
| 21.19 | 205.14 | 0.25 | MWD_M | None |
| 24.6 | 203.46 | 0.65 | MWD_M | None |
| 27.97 | 201.5 | 0.5 | MWD_M | None |
| 30.52 | 200.34 | 0.5 | MWD_M | None |
| 32.44 | 199.57 | 0.26 | MWD_M | None |
| 34.13 | 198.83 | 0.03 | MWD_M | None |
| 36.02 | 197.97 | 0.25 | MWD_M | None |
| 37.69 | 197.18 | 0.5 | MWD_M | None |
| 38.67 | 196.2 | 0.43 | SP | None |
| 38.81 | 195.84 | 0.47 | SP | None |
| 38.88 | 195.77 | 0.21 | SP | None |
| 39.03 | 195.72 | 0.19 | SP | None |
| 39.02 | 195.87 | 0.17 | SP | None |
| 39.02 | 195.94 | 0.18 | SP | None |
| 39.19 | 196 | 0.07 | SP | None |
| 39.27 | 196.19 | 0.19 | SP | None |
| 39.26 | 196.43 | 0.06 | SP | None |
| 39.17 | 196.54 | 0.15 | SP | None |
| 39.14 | 196.39 | 0.24 | SP | None |
| 39.13 | 196.31 | 0.26 | SP | None |
| 39.05 | 196.5 | 0.07 | SP | None |
| 38.98 | 196.51 | 0.21 | SP | None |
| 38.97 | 196.51 | 0.26 | SP | None |
| 39.34 | 196.78 | 0.06 | SP | None |
| 39.41 | 196.7 | 0.14 | SP | None |

| | | | | |
|-------|--------|------|------|------|
| 39.21 | 196.8 | 0.09 | SP | None |
| 39.33 | 197.33 | 0.06 | SP | None |
| 39.39 | 198.12 | 0.09 | SP | None |
| 39.14 | 198.72 | 0.1 | SP | None |
| 38.83 | 198.82 | 0.02 | SP | None |
| 38.93 | 198.75 | 0.12 | SP | None |
| 39.2 | 198.44 | 0.06 | SP | None |
| 39.45 | 197.61 | 0.1 | SP | None |
| 39.88 | 196.92 | 0.31 | SP | None |
| 40.92 | 196.28 | 0.5 | SP | None |
| 41.98 | 196 | 0.51 | SP | None |
| 42.23 | 196.05 | 0.58 | SP | None |
| 42.02 | 196.52 | 0.07 | SP | None |
| 43.32 | 196.17 | 0.48 | SP | None |
| 44.73 | 195.15 | 0.43 | SP | None |
| 46.68 | 194.05 | 0.59 | SP | None |
| 47.46 | 191.46 | 2.86 | SP | None |
| 49.16 | 189.42 | 3.82 | PUP | None |
| 51.19 | 189.58 | 2.52 | PUP | None |
| 51.22 | 189.44 | 0.06 | PUP | None |
| 51.17 | 189.31 | 0.06 | PUP | None |
| 51.18 | 189.17 | 0.14 | PUP | None |
| 51.25 | 189.05 | 0.06 | PUP | None |
| 51.22 | 189.04 | 0.06 | PUP | None |
| 51.12 | 189.26 | 0.02 | PUP | None |
| 51.06 | 189.39 | 0.03 | PUP | None |
| 50.98 | 189.42 | 0.1 | PUP | None |
| 50.98 | 189.33 | 0.11 | PUP | None |
| 51.07 | 189.29 | 0.09 | PUP | None |
| 51.16 | 189.34 | 0.01 | PUP | None |
| 51.16 | 189.4 | 0.11 | PUP | None |
| 51.05 | 189.41 | 0.05 | PUP | None |
| 51.05 | 189.41 | 0.17 | PUP | None |
| 51.08 | 189.41 | 0.13 | PUP | None |
| 51.03 | 189.44 | 0.08 | PUP | None |
| 51.01 | 189.46 | 0.1 | PUP | None |
| 51.03 | 189.4 | 0.04 | PUP | None |
| 51.04 | 189.4 | 0.07 | PUP | None |
| 51.02 | 189.46 | 0.02 | PUP | None |
| 50.88 | 189.55 | 0.04 | PUP | None |
| 50.74 | 189.57 | 0 | PUP | None |
| 50.64 | 189.61 | 0.04 | PUP | None |
| 50.58 | 189.59 | 0.1 | PUP | None |
| 50.51 | 189.54 | 0.08 | PUP | None |
| 50.43 | 189.55 | 0.02 | PUP | None |
| 50.44 | 189.58 | 0.1 | PUP | None |
| 50.47 | 189.57 | 0.1 | PUP | None |
| 50.48 | 189.47 | 0.03 | PUP | None |
| 50.5 | 189.47 | 0.12 | PUP | None |
| 50.57 | 189.55 | 0.08 | PUP | None |
| 50.68 | 189.52 | 0.06 | PUP | None |
| 50.66 | 189.43 | 0 | PROJ | None |

| | |
|--|--|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Oil Well | 8. WELL NAME and NUMBER: KETTLE #1-10-3-1 |
| 2. NAME OF OPERATOR: HARVEST (US) HOLDINGS, INC | 9. API NUMBER: 4301350396000 |
| 3. ADDRESS OF OPERATOR: 1177 Enclave Parkway , Houston, TX, 77077 | PHONE NUMBER: 281 899-5722 Ext |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.0S Range: 01.0W Meridian: U | 9. FIELD and POOL or WILDCAT: WILDCAT COUNTY: DUCHESNE STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|---|---|---|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/22/2010 | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> CASING REPAIR |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> CHANGE WELL NAME |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> CONVERT WELL TYPE |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> NEW CONSTRUCTION |
| | <input type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> PLUG BACK |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | <input type="checkbox"/> TEMPORARY ABANDON |
| | <input type="checkbox"/> TUBING REPAIR | <input type="checkbox"/> VENT OR FLARE | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> WATER SHUTOFF | <input type="checkbox"/> SI TA STATUS EXTENSION | <input type="checkbox"/> APD EXTENSION |
| | <input checked="" type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> OTHER | OTHER: <input type="text" value="Severence Tax Holiday"/> |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Harvest (US) Holdings, Inc. respectfully requests a 12 month wildcat Severance Tax Exemption for the Kettle #1-10-3-1 well in accordance with R649-3-35. The referenced well was drilled in 2010 and production was established on 10/22/2010 from the completed and commingled Lower Green River and Wasatch formations. An extended test of the well is currently in progress to evaluate the performance and production potential of the well. There are no other wells within a 1 mile radius of the referenced well. Attached please find a civil plat of the well site, a map reflecting that there are no other wells within a 1 mile radius and the previously submitted completion report reflecting the producing and perforated intervals with frac data.

Approved by the Utah Division of Oil, Gas and Mining

Date: 03/15/2011

By: *Dark K. Quist*

| | | |
|--|-------------------------------------|---|
| NAME (PLEASE PRINT) Don Hamilton | PHONE NUMBER 435 719-2018 | TITLE Permitting Agent (Buys & Associates, Inc) |
| SIGNATURE N/A | DATE 3/6/2011 | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013503960000

See Attached Statement of Basis.

DIVISION OF OIL, GAS AND MINING
Wildcat Well Determination
STATEMENT OF BASIS

Applicant: Harvest (US) Holdings, INC

Location: SWSE SEC 10 T030S R010W Duchesne county, Utah

WELL NAME: KETTLE #1-10-3-1 **API #:** 43-013-50396

FINDINGS

1. This well reported first production on October 22, 2010 in the Green River - Wasatch formations.
2. Subject well reached total depth on September 17, 2010 and was completed on October 21, 2010.
3. This well was > 1 mile from any known production in all formations at the time of the completion and the start of commercial production. (Attachment A)

CONCLUSIONS

Based on the findings above the Division has determined the Kettle #1-10-3-1 well was drilled into an unknown area for the Green River - Wasatch formations. The Division finds that this well qualifies for the severance tax exemption under Section 59-5-102(5)(b) for wildcat wells. This determination was made in accordance with Oil and Gas General Conservation Rule R649-3-35. If the operator disagrees with this determination, the decision may be appealed to the Board of Oil Gas and Mining.

Reviewer(s): Dustin K. Doucet DKD

Date: 3/15/2011

Joshua J. Payne

Date: March 10, 2011

ATTACHMENT A

1 Mile Area of Review

| API | WELL_NAME | Well Status | QTR | Sect | Town | Range | Cum Oil | Cum Gas | Field Type | Dx From Well(ft) | Rotar Spud | Date TD Reached | Date First Produced | Producing Formation |
|------------|------------------|-------------|------|------|------|-------|---------|---------|------------|------------------|------------|-----------------|---------------------|-----------------------|
| 4301350396 | KETTLE #1-10-3-1 | POW | SWSE | 10 | 030S | 010W | 0 | 0 | W | 0 | | 9/17/2010 | 10/21/2010 | Green River - Wasatch |

HARVEST (US) HOLDINGS, INC.

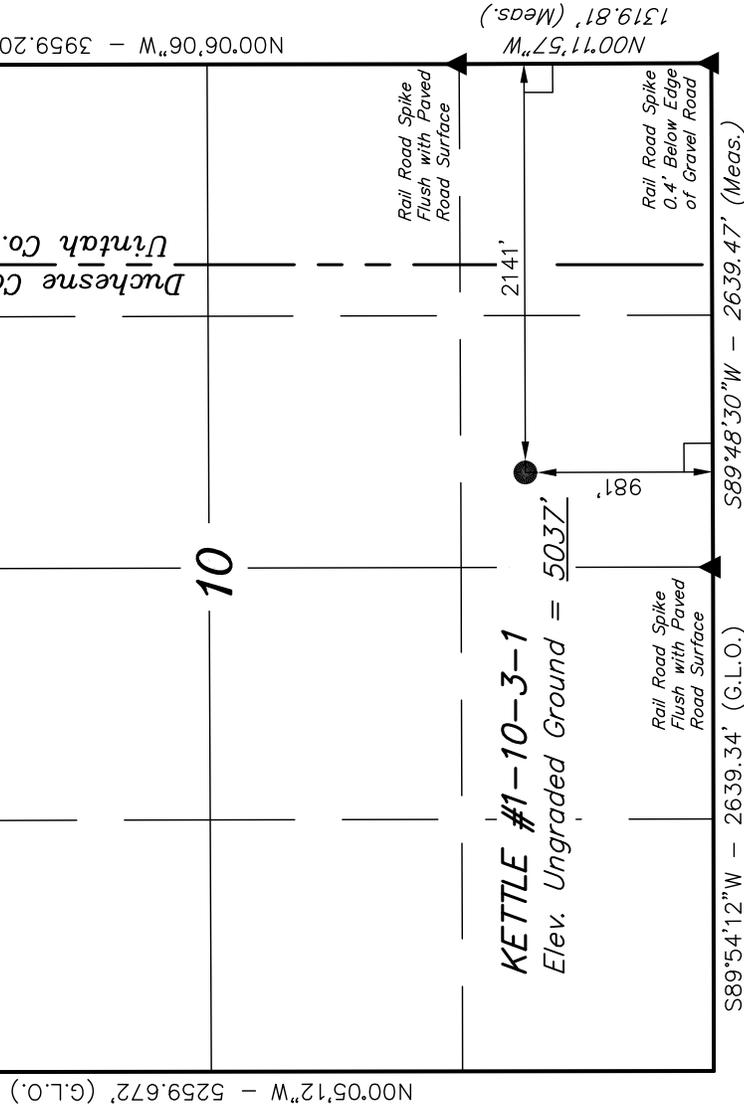
Well location, KETTLE #1-10-3-1, located as shown in the SW 1/4 SE 1/4 of Section 10, T3S, R1W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

BASIS OF BEARINGS

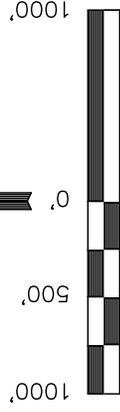
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



LEGEND:

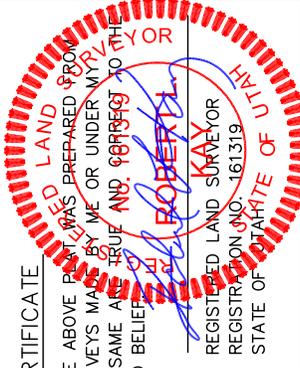
- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 40°13'56.89" (40.232469)
 LONGITUDE = 109°58'49.64" (109.980456)
 (NAD 27)
 LATITUDE = 40°13'57.03" (40.232508)
 LONGITUDE = 109°58'47.11" (109.979753)



S C A L E
 CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE POINT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



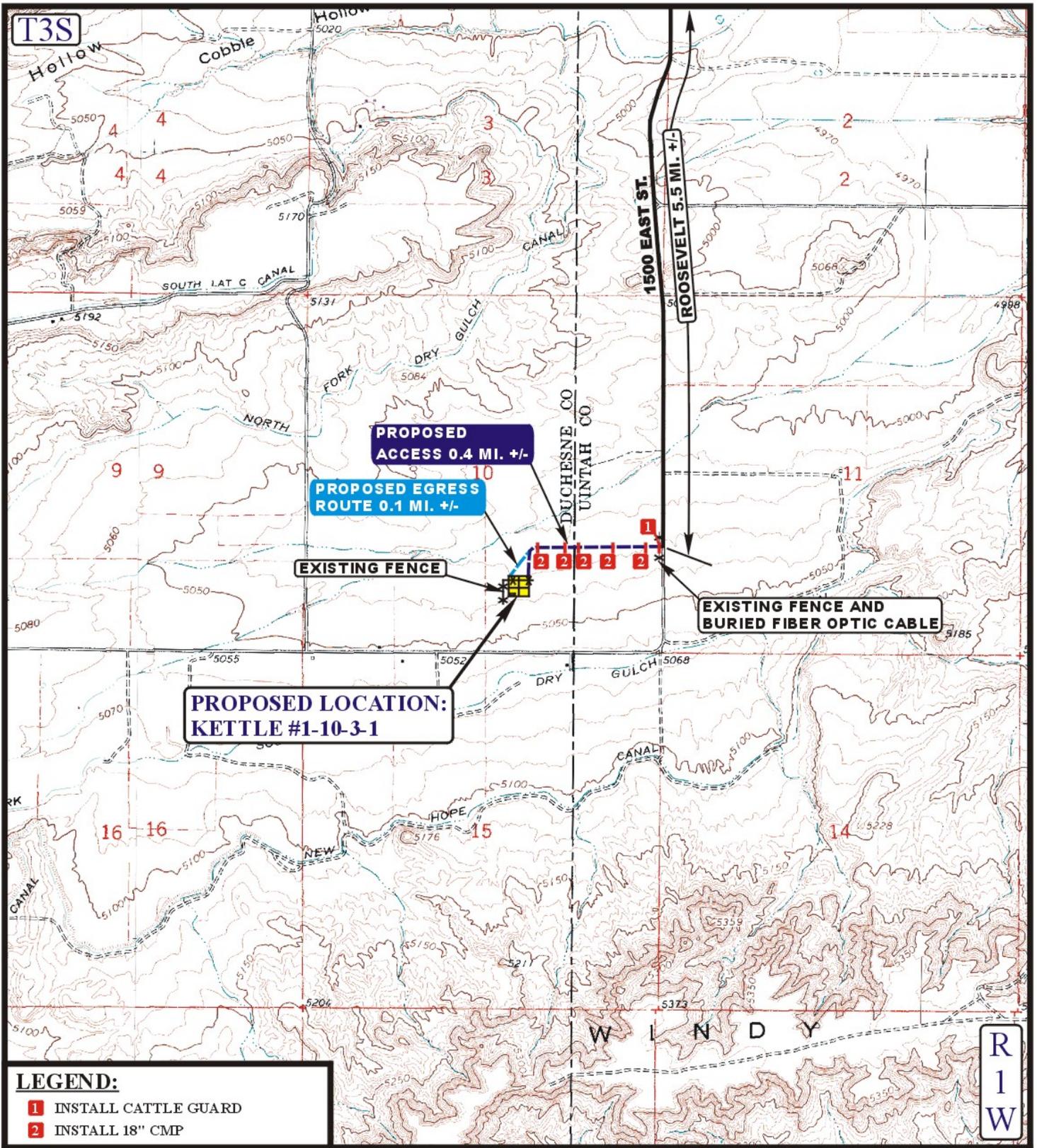
REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

Revised: 06-22-10

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

| | | |
|-------------------------|----------------------------|-------------------------|
| SCALE 1" = 1000' | DATE SURVEYED: 05-21-10 | DATE DRAWN: 05-28-10 |
| PARTY M.A. C.H. K.G. | REFERENCES G.L.O. PLAT | |
| WEATHER WARM | FILE | |

HARVEST (US) HOLDINGS, INC.



LEGEND:

- 1 INSTALL CATTLE GUARD
- 2 INSTALL 18" CMP

LEGEND:

- EXISTING ROAD
- - - PROPOSED ACCESS ROAD
- - - PROPOSED EGRESS ROUTE
- * * * * * EXISTING FENCE

HARVEST (US) HOLDINGS, INC.

KETTLE #1-10-3-1
SECTION 10, T3S, R1W, U.S.B.&M.
981' FSL 2141' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

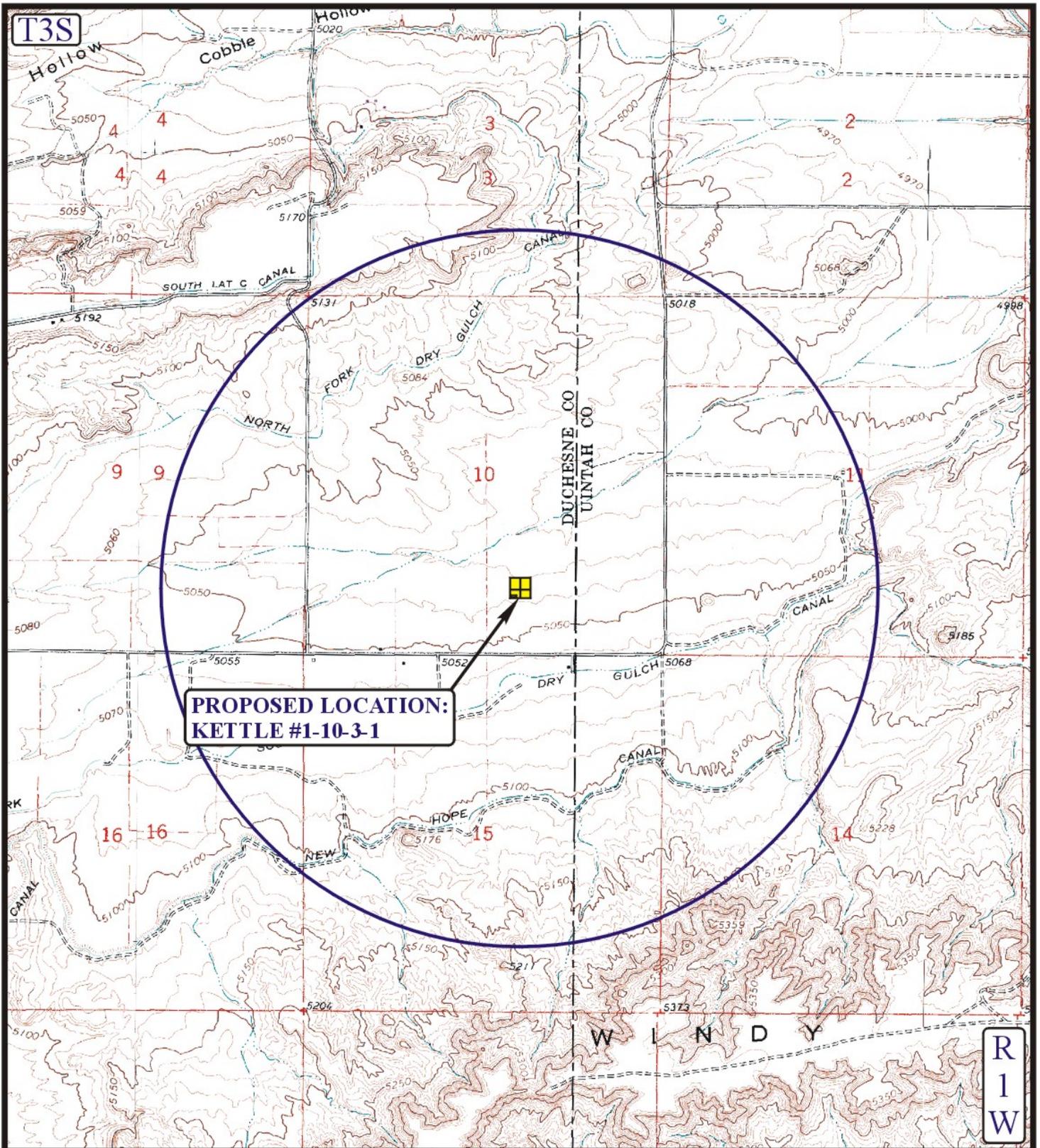


TOPOGRAPHIC
MAP

5 26 10
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REV: J.H. 06-21-10

B
 TOPO



**PROPOSED LOCATION:
KETTLE #1-10-3-1**

LEGEND:

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ⊗ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |

HARVEST (US) HOLDINGS, INC.

**KETTLE #1-10-3-1
SECTION 10, T3S, R1W, U.S.B.&M.
981' FSL 2141' FEL**



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



**TOPOGRAPHIC
MAP**

5 26 10
MONTH DAY YEAR



SCALE: 1" = 2000' DRAWN BY: J.L.G. REV: J.H. 06-21-10

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER Vertical

5. LEASE DESIGNATION AND SERIAL NUMBER:
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT or CA AGREEMENT NAME
N/A

8. WELL NAME and NUMBER:
Kettle #1-10-3-1

2. NAME OF OPERATOR:
Harvest (US) Holdings, Inc.

9. API NUMBER:
4301350396

3. ADDRESS OF OPERATOR: 1177 Enclave Parkway CITY Houston STATE TX ZIP 77077
PHONE NUMBER: (281) 899-5722

10. FIELD AND POOL, OR WILDCAT
Wildcat

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 981' FSL & 2141' FEL,
AT TOP PRODUCING INTERVAL REPORTED BELOW: 981' FSL & 2141' FEL,
AT TOTAL DEPTH: 981' FSL & 2141' FEL,

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SWSE 10 3S 1W U

12. COUNTY Duchesne 13. STATE UTAH

14. DATE SPUDDED: 7/14/2010 15. DATE T.D. REACHED: 9/17/2010 16. DATE COMPLETED: 10/21/2010
ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
5040

18. TOTAL DEPTH: MD 12,002 TVD 12,002 19. PLUG BACK T.D.: MD 11,913 TVD 11,913 20. IF MULTIPLE COMPLETIONS, HOW MANY? * 9 frac stages

21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
HRLA; CN; RST; GR; MSIP; CHFR

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

| HOLE SIZE | SIZE/GRADE | WEIGHT (#/ft.) | TOP (MD) | BOTTOM (MD) | STAGE CEMENTER DEPTH | CEMENT TYPE & NO. OF SACKS | SLURRY VOLUME (BBL) | CEMENT TOP ** | AMOUNT PULLED |
|-----------|------------|----------------|----------|-------------|----------------------|----------------------------|---------------------|---------------|---------------|
| 26" | 20 H40 | 0.375 WT | 0 | 91 | | | | 0-CIR | - |
| 17-1/2" | 13-3/8 J55 | 48.5 | 0 | 332 | | G 1,025 | 69 | 0-CIR | - |
| 12-1/4" | 9-5/8 J55 | 36 | 0 | 2,972 | | G 800 | 322 | 0-CIR | - |
| 8-3/4" | 7 P11 | 29 | 0 | 8,558 | | | | | - |
| 8-1/2" | 7 P11 | 29 | 8,559 | 10,315 | 8,472 | G 1,205 | 306 | 0-CIR | - |
| 6" | 4-1/2 P11 | 15.1 | 9,971 | 12,000 | | G 240 | 67 | 9971 | |

25. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|-------|----------------|-----------------|------|----------------|-----------------|------|----------------|-----------------|
| 2-7/8 | 8,095 | 8,080 | | | | | | |

26. PRODUCING INTERVALS

| FORMATION NAME | TOP (MD) | BOTTOM (MD) | TOP (TVD) | BOTTOM (TVD) |
|-----------------|----------|-------------|-----------|--------------|
| (A) Wasatch | 8,718 | 12,002 | 8,718 | 12,002 |
| (B) Green River | 3,735 | 8,718 | 3,735 | 8,718 |
| (C) | | | | |
| (D) | | | | |

27. PERFORATION RECORD

| INTERVAL (Top/Bot - MD) | SIZE | NO. HOLES | PERFORATION STATUS |
|-------------------------|------|-----------|--|
| 8,752 11,613 | 3S | 492 | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| 8,198 8,696 | 4S | 224 | Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> |
| | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |
| | | | Open <input type="checkbox"/> Squeezed <input type="checkbox"/> |

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL | AMOUNT AND TYPE OF MATERIAL |
|----------------|--|
| 8198-8698 | 375,00 lbs 20/40 White |
| 8752-9687 | 400,000 lbs 20/40 White |
| 10940-11613 | 200,000 lbs 20/40 White, 450,000 20/40 TLC |

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS:

Producing

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

| | | | | | | | | | | |
|------------------------------------|------------------|--------------------------|----------------------|----------------------|------------------------|---------------------------|---------------------|----------------------|------------------------|-----------------------------|
| DATE FIRST PRODUCED: 10/21/2010 | | TEST DATE: 10/29/2010 | | HOURS TESTED: 192 | | TEST PRODUCTION RATES: → | OIL – BBL: 4,628 | GAS – MCF: 18,876 | WATER – BBL: 10,192 | PROD. METHOD: Flow |
| CHOKE SIZE: 24 | TBG. PRESS. 0 | CSG. PRESS. 2,200 | API GRAVITY 40.00 | BTU – GAS 1,190 | GAS/OIL RATIO 2,960 | 24 HR PRODUCTION RATES: → | OIL – BBL: 1,035 | GAS – MCF: 3,064 | WATER – BBL: 940 | INTERVAL STATUS: Testing |

INTERVAL B (As shown in item #26)

| | | | | | | | | | | |
|----------------------|-------------|-------------|-------------|---------------|---------------|---------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: | | TEST DATE: | | HOURS TESTED: | | TEST PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | PROD. METHOD: |
| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | INTERVAL STATUS: |

INTERVAL C (As shown in item #26)

| | | | | | | | | | | |
|----------------------|-------------|-------------|-------------|---------------|---------------|---------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: | | TEST DATE: | | HOURS TESTED: | | TEST PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | PROD. METHOD: |
| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | INTERVAL STATUS: |

INTERVAL D (As shown in item #26)

| | | | | | | | | | | |
|----------------------|-------------|-------------|-------------|---------------|---------------|---------------------------|------------|------------|--------------|------------------|
| DATE FIRST PRODUCED: | | TEST DATE: | | HOURS TESTED: | | TEST PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | PROD. METHOD: |
| CHOKE SIZE: | TBG. PRESS. | CSG. PRESS. | API GRAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTION RATES: → | OIL – BBL: | GAS – MCF: | WATER – BBL: | INTERVAL STATUS: |

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Flared

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

| Formation | Top (MD) | Bottom (MD) | Descriptions, Contents, etc. | Name | Top (Measured Depth) |
|-------------|----------|-------------|------------------------------|---------------|----------------------|
| Wasatch | 9,718 | 11,613 | Laminated Sand | Green River | 3,735 |
| Green River | 8,198 | 9,718 | Laminated Sand | Uteland Butte | 8,310 |
| | | | | Wasatch | 9,718 |

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Don HamiltonTITLE Agent for Harvest (US) Holdings, Inc.SIGNATURE Don HamiltonDATE 1/25/2011

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
Fax: 801-359-3940

CONFIDENTIAL



HARVEST (US) HOLDINGS, INC.

API # 43013 50396

November 9, 2010

Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, UT 84116

Attention: Dustin Doucet

RE: Sundry Notices
Kettle #1-10-3-1 Pooled Unit
SE10 T3S,R1W
Duchesne and Uintah Counties, UT

Dear Mr. Doucet:

Harvest (US) Holdings, Inc. has submitted Sundry Notices to commingle production from the Wasatch and Green River Formations in the Kettle # 1-10-3-1 Pooled Unit. We have enclosed herewith a copy of the Sundry Notices together with a plat showing the leases and wells in the area and affidavits confirming notice pursuant to the Utah OGM regulations.

Should you require additional information in this regard, please feel free to contact me at (281) 899-5700.

Harvest (US) Holdings, Inc.

Gil S. Porter
Land Manager

Enclosures

RECEIVED

NOV 15 2010

DIV. OF OIL, GAS & MINING

HARVEST (US) HOLDINGS, INC.

1177 ENCLAVE PARKWAY

SUITE 300

HOUSTON

TEXAS

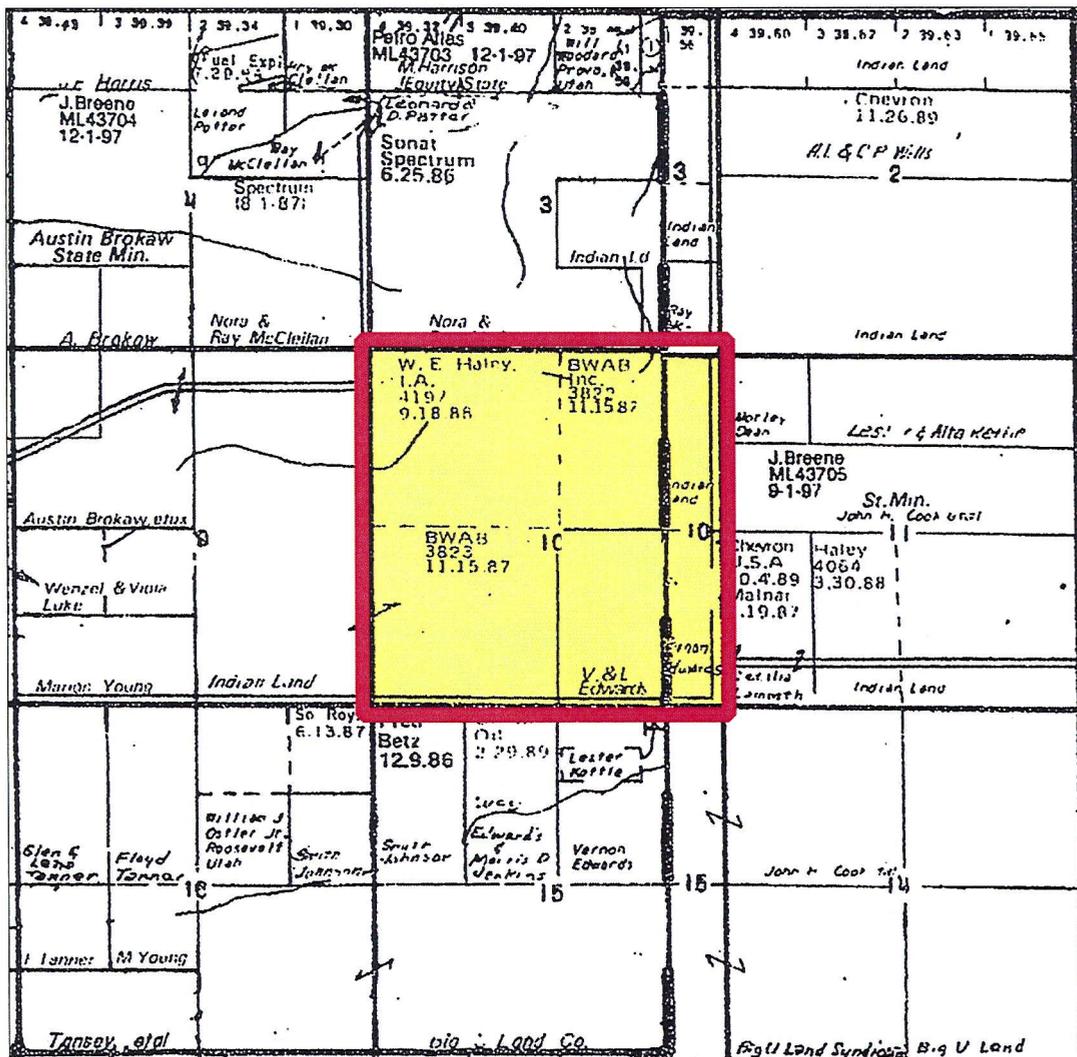
77077

PH: 281-899-5700

FAX: 281-899-5702

KETTLE 1-10-3-1
640 ac Pooled Unit
Leasehold Estate Harvest/Branta 100%

Section 10
Township 3 South
Range 1 West
USB&M
Duchesne County, Utah
Uintah County, Utah



HARVEST (US) HOLDINGS, INC.

T3S, R1W, U.S.B.&M.

Well location, KETTLE #1-10-3-1, located as shown in the SW 1/4 SE 1/4 of Section 10, T3S, R1W, U.S.B.&M., Duchesne County, Utah.

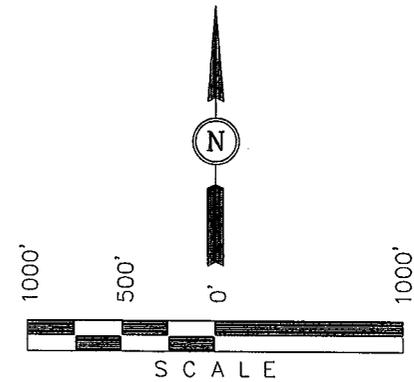
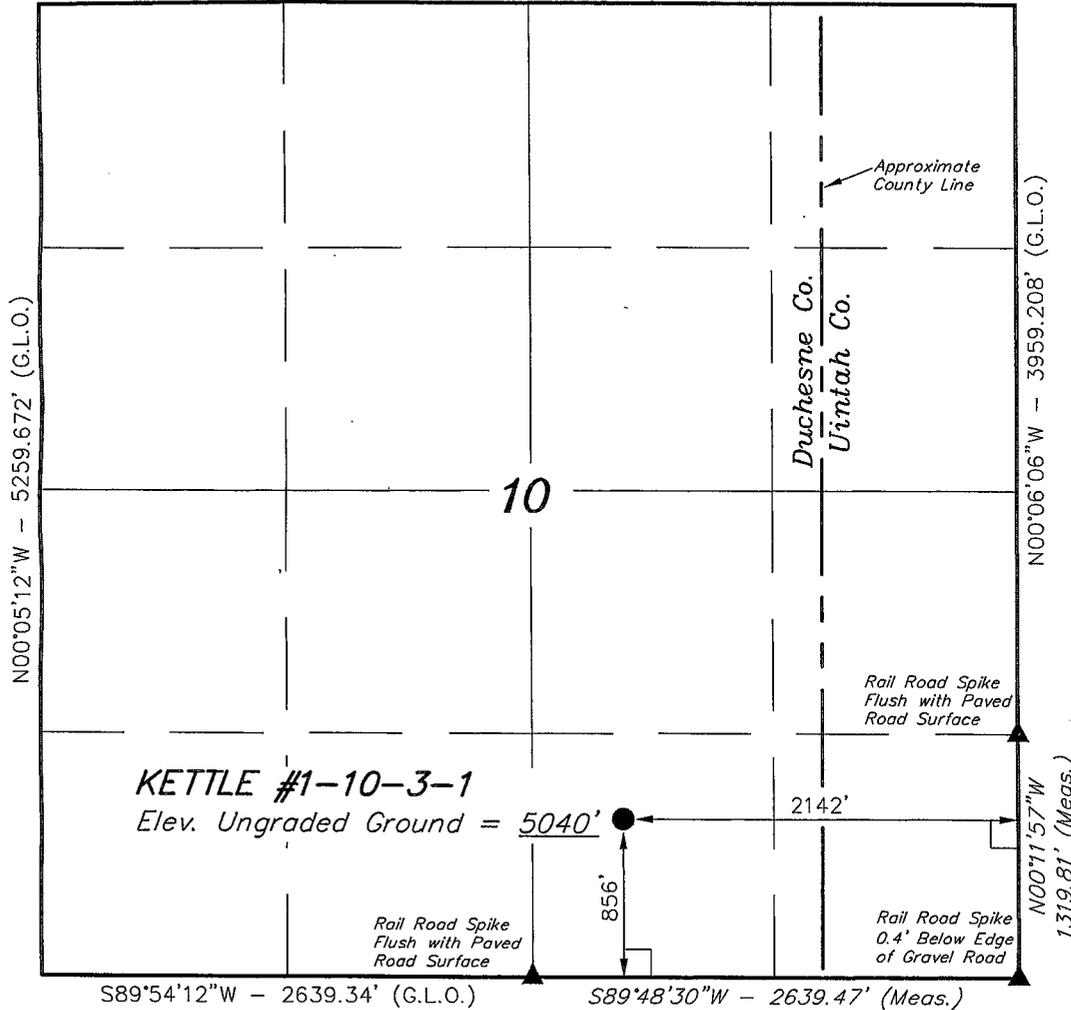
S89°05'18"W 1316.70' (G.L.O.)
 S89°52'36"W 1320.66' (G.L.O.)
 S89°49'54"W 1319.01' (G.L.O.)
 S89°58'18"W 1320.33' (G.L.O.)

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 20, T3S, R2W, U.S.B.&M. TAKEN FROM THE MYTON, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5148 FEET.

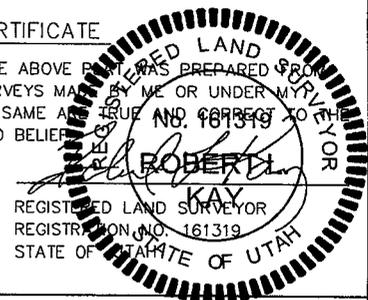
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 40°13'55.66" (40.232128)
 LONGITUDE = 109°58'49.65" (109.980458)
 (NAD 27)
 LATITUDE = 40°13'55.80" (40.232167)
 LONGITUDE = 109°58'47.12" (109.979756)

| | | |
|--|-------------------------------------|-------------------------|
| UINTAH ENGINEERING & LAND SURVEYING | | |
| 85 SOUTH 200 EAST - VERNAL, UTAH 84078 | | |
| (435) 789-1017 | | |
| SCALE 1" = 1000' | DATE SURVEYED: 05-21-10 | DATE DRAWN: 05-28-10 |
| PARTY M.A. C.H. K.G. | REFERENCES G.L.O. PLAT | |
| WEATHER WARM | FILE HARVEST (US) HOLDINGS, INC. | |



CONFIDENTIAL

HARVEST (US) HOLDINGS, INC.

AFFIDAVIT OF NOTICE

My name is Gil S. Porter. I am the Land Manager for Harvest (US) Holdings, Inc, ("Harvest"). Harvest has submitted Sundry Notices to commingle production from the Wasatch and Green River Formations in the Kettle 1-10-3-1 Well located in the SWSE of Section 10, Township 3 South, Range 1 West. In compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the Sundry Notices, by certified mail, to the owner as listed on the attached Exhibit "A" of all contiguous oil and gas leases or drilling units overlying the pool.

Date: November 9, 2010

Affiant



Gil S. Porter

Exhibit 'A'

Sundry Notices

Kettle 1-12-3-1 Pooled Unit

SE10 T3S, R1W

Duchesne and Uintah Counties, Utah

| | |
|--|--|
| Bureau of Indian Affairs for Heirs of Allotment No 687 MUNC 294: Cora Chegar P.O. Box 130 988 South 7500 East Ft. Duchesne, UT 84026 | |
| Bureau of Indian Affairs for Heirs of Allotment No 687 MUNC 301: Tab-by-a-cheek P.O. Box 130 988 South 7500 East Ft. Duchesne, UT 84026 | Brandon Chavez, Bryan Chavez and Kristie Chavez P.O. Box 1388 Shiprock, NM 87420 |
| Ruben Chavez P.O. Box 1514 Kirkland, NM 87417 | |
| Bureau of Indian Affairs for Heirs of Allotment No 687 MUNC 557: Gardner Cohoe P.O. Box 130 988 South 7500 East Ft. Duchesne, UT 84026 | Brandon Chavez, Bryan Chavez and Kristie Chavez P.O. Box 1388 Shiprock, NM 87420 |
| Ruben Chavez P.O. Box 1514 Kirkland, NM 87417 | |
| Johnnie Jenkins Vickie Jenkins 2132 Twin Pines Lane Idaho Falls, ID 83401 | Morris Dale Jenkins 1595 South 1000 West Vernal, UT 84078 |
| Teresa Ellen Jenkins 56540 El Dorado Drive Yucca Valley, CA 92284 | Louiza P. Jenkins 6205 Riverside Blvd., Apt. #125 Sacramento, CA 98531 |
| Clifton W. Jenkins David W. Jenkins Melissa J. Huntington 3020 Old Highway Road Morgan, UT 84050 | Carol Ann Butterfield 7986 Collidge Midvale, UT 84047 |
| Kathy Jepsen 862 West 1875 South Preston, ID 83263 | Janalyn Hilton 12122 South 2160 West Riverton, UT 84065 |
| Mark Butterfield 6807 Cub River Preston, ID 83263 | Wendy Smith Dewey 395 West Center Street Midvale, UT 84047 |
| Margie Louise Edwards Nelson 45 North 750 East Kaysville, UT 84037 | Valeria O. Anderson 688 South Park Avenue Shelly, ID 83274 |

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective

5/17/2011

| | |
|---|--|
| FROM: (Old Operator): N3520-Harvest (US) Holdings, Inc 1177 Enclave Parkway, Suite 300 Houston, TX 77077 Phone: 1 (281) 899-5700 | TO: (New Operator): N2695-Newfield Production Company 1001 17th St, Suite 2000 Denver, CO 80202 Phone: 1 (303) 893-0102 |
|---|--|

CA No.

Unit:

| WELL NAME | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|--------------------------|-----|-----|-----|--------|-----------|------------|-----------|-------------|
| SEE 10 ATTACHED SUNDRIES | | | | | | | | |

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on 6/22/2011
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/22/2011
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/22/2011
- Is the new operator registered in the State of Utah: yes Business Number: 755627-0143
- If **NO**, the operator was contacted on:
- (R649-9-2) Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete or n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM n/a BIA n/a
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/30/2011
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2011
- Bond information entered in RBDMS on: 6/30/2011
- Fee/State wells attached to bond in RBDMS on: 6/30/2011
- Injection Projects to new operator in RBDMS on: n/a
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: WY000483
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number B001834
- The **FORMER** operator has requested a release of liability from their bond (n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 7/12/2011

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

| | | | |
|---|--|--|--|
| SUNDRY NOTICES AND REPORTS ON WELLS | | | 5. LEASE DESIGNATION AND SERIAL NUMBER: FEE |
| <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small> | | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A |
| 1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____ | | | 7. UNIT or CO. AGREEMENT NAME: N/A |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY <i>N 2695</i> | | | 8. WELL NAME and NUMBER: KETTLE #1-10-3-1 |
| 3. ADDRESS OF OPERATOR: 1001 17TH ST, SUITE 2000 CITY: DENVER STATE: CO ZIP: 80202 | | | 9. API NUMBER: 4301350396 |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 981 FSL & 2141 FEL | | | 10. FIELD AND POOL, OR WILDCAT: WILDCAT |
| QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 10 3S 1W | | | COUNTY: DUCHESNE |
| | | | STATE: UTAH |

| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | |
|--|---|---|--|
| TYPE OF SUBMISSION | TYPE OF ACTION | | |
| <input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>5/17/2011</u> | <input type="checkbox"/> ACIDIZE | <input type="checkbox"/> DEEPEN | <input type="checkbox"/> REPERFORATE CURRENT FORMATION |
| <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: | <input type="checkbox"/> ALTER CASING | <input type="checkbox"/> FRACTURE TREAT | <input type="checkbox"/> SIDETRACK TO REPAIR WELL |
| | <input type="checkbox"/> CASING REPAIR | <input type="checkbox"/> NEW CONSTRUCTION | <input type="checkbox"/> TEMPORARILY ABANDON |
| | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | <input checked="" type="checkbox"/> OPERATOR CHANGE | <input type="checkbox"/> TUBING REPAIR |
| | <input type="checkbox"/> CHANGE TUBING | <input type="checkbox"/> PLUG AND ABANDON | <input type="checkbox"/> VENT OR FLARE |
| | <input type="checkbox"/> CHANGE WELL NAME | <input type="checkbox"/> PLUG BACK | <input type="checkbox"/> WATER DISPOSAL |
| | <input type="checkbox"/> CHANGE WELL STATUS | <input type="checkbox"/> PRODUCTION (START/RESUME) | <input type="checkbox"/> WATER SHUT-OFF |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | <input type="checkbox"/> RECLAMATION OF WELL SITE | <input type="checkbox"/> OTHER: _____ |
| | <input type="checkbox"/> CONVERT WELL TYPE | <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Effective 05/17/2011, Newfield Production Company will take over operations of the referenced well.
The previous owner/operator was:
Harvest (US) Holdings, Inc.
1177 Enclave Parkway
Houston, TX 77077

Effective 05/17/2011, Newfield Production Company is responsible under the terms and conditions of the leases for operations conducted on the leases lands or a portion thereof under BLM Bond No. ~~RLB0010466~~ B001834

Harvest (US) Holdings, Inc.
Print Name: Patrick R. Oenbring *N3520* Title: President and CEO

Seller Signature: *Patrick R Oenbring* Date: 05/17/2011

NAME (PLEASE PRINT) KELLY DONOHUE TITLE RM LAND MANAGER
SIGNATURE *Kelly Donohue* DATE 5/17/2011

(This space for State use only)

APPROVED 6/13/2011
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED
JUN 22 2011
DIV. OF OIL, GAS & MINING

| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
|--|---|---|
| SUNDRY NOTICES AND REPORTS ON WELLS | | 5. LEASE DESIGNATION AND SERIAL NUMBER: Fee |
| Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | | 7. UNIT or CA AGREEMENT NAME: |
| 1. TYPE OF WELL Oil Well | 8. WELL NAME and NUMBER: KETTLE #1-10-3-1 | |
| 2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY | 9. API NUMBER: 43013503960000 | |
| 3. ADDRESS OF OPERATOR: 1001 17th Street, Suite 2000 , Denver, CO, 80202 | PHONE NUMBER: 303 382-4443 Ext | 9. FIELD and POOL or WILDCAT: NORTH MYTON BENCH |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0981 FSL 2141 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 10 Township: 03.0S Range: 01.0W Meridian: U | COUNTY: DUCHESNE | |
| | STATE: UTAH | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/7/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER | |
| OTHER: <input type="text" value="Site Facility/Site Security"/> | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. | | |
| SEE ATTACHED REVISED SITE FACILITY DIAGRAM | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 28, 2013 | | |
| NAME (PLEASE PRINT) Jill L Loyle | PHONE NUMBER 303 383-4135 | TITLE Regulatory Technician |
| SIGNATURE N/A | DATE 1/25/2013 | |

NEWFIELD PRODUCTION COMPANY

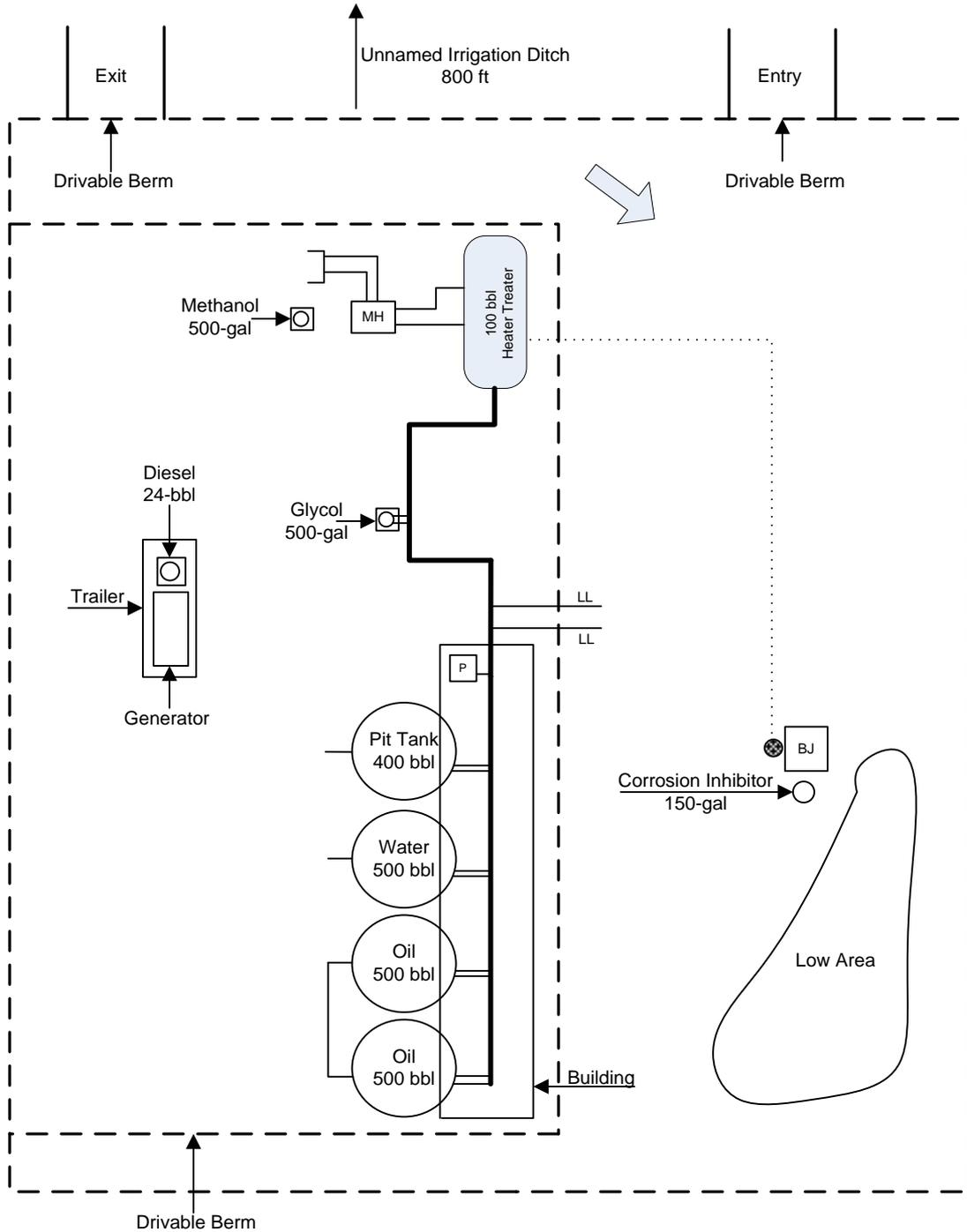
KETTLE 1-10-3-1
 SEC.10 T3S R1W
 DUCHESNE COUNTY, UTAH



NOT TO SCALE

LEGEND

- FENCE
- - - BERM
- ABOVEGROUND PIPING
- UNDERGROUND PIPING (LOCATION APPROXIMATE)
- [MH] METER HOUSE
- ← DIRECTION OF FLOW
- bbbl BARREL(S)
- LL LOAD LINE
- ⊗ WELL HEAD
- [BJ] BELT JACK
- [P] PUMP
- PIPING CONDUIT



ALL UNDERGROUND PIPING IS FOR
 PROCESS FLOW DEMONSTRATION ONLY

