



April 3, 2001

Lisha Cordova
State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801
(sent via facsimile and regular mail)

Re: On-site Predrill Evaluation
~~Osmond~~ # 3-4 *X Nm c. g. 4-11-01. Jc*
Township 12 South, Range 15 East
Section 3: SE/4SE/4
Carbon County, Utah

Dear Lisha:

In reference to our recent phone conversation, Wasatch Oil & Gas, LLC is requesting that an On-site Predrill Evaluation be conducted on April 9, 2001, a date which is prior to the DOGM receiving an APD for the above referenced. This request is made pursuant to R649-3-18.

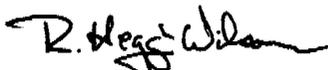
Dennis Ingram has been notified of this request and will be present for the on-site.

Wasatch is making this request to address any concerns the Division may have in regards to the proposed location prior to an official survey being made. We do not anticipate that this will be an exception location, but in order to expedite the permitting process we would like to proceed in this manner.

As previously discussed, this location will be on fee surface and SITLA minerals.

We anticipate that a surveyor, a representative of the surface owner, a representative of Wasatch will be present as well as Dennis Ingram from the DOGM. Please advise me if a representative from SITLA needs to be present. This well is located on SITLA lease ML-47555.

Sincerely,


R. Heggie Wilson
Agent

RECEIVED

APR 05 2001

DIVISION OF
OIL, GAS AND MINING

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47555
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. UNIT or CA AGREEMENT NAME: N/A
2. NAME OF OPERATOR: Wasatch Oil & Gas LLC		8. WELL NAME and NUMBER: Hunt Ranch #3-4
3. ADDRESS OF OPERATOR: PO Box 699 CITY Farmington STATE UT ZIP 84025		9. FIELD AND POOL, OR WILDCAT: Nine Mile Canyon
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 781' FSL, 775' FEL 4405390N AT PROPOSED PRODUCING ZONE: Same 567143E		10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 3 12S 15E
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 35 Miles Southwest of Myton, UT		11. COUNTY: Carbon
		12. STATE: UTAH
14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 539 feet	15. NUMBER OF ACRES IN LEASE: 166	16. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) N/A (first well on lease)	18. PROPOSED DEPTH: 5,000	19. BOND DESCRIPTION: Individual Well Bond: #RLB0003145
20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,626' GR	21. APPROXIMATE DATE WORK WILL START: 4/23/2001	22. ESTIMATED DURATION: 15 days

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
24"	16" 25" well	40	Ready Mix 5 yds
12-1/4"	8-5/8" K-55 32#	500	Class "G" 360 sx 1.17 15.8#
7-7/8"	4-1/2" K-55 11.60#	5,000	Thixotropic 400 sx 1.50 14.6#

24. **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"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input checked="" type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Todd Cusick TITLE President

SIGNATURE *Todd Cusick* DATE 4/10/2001

(This space for State use only)

API NUMBER ASSIGNED: 43-007-30775

**Approved by the
Utah Division of
Oil, Gas and Mining**

APPROVAL:
Date: 04-24-01
By: *[Signature]*

(See instructions on back of form)

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DIVISION OF
OIL, GAS AND MINING

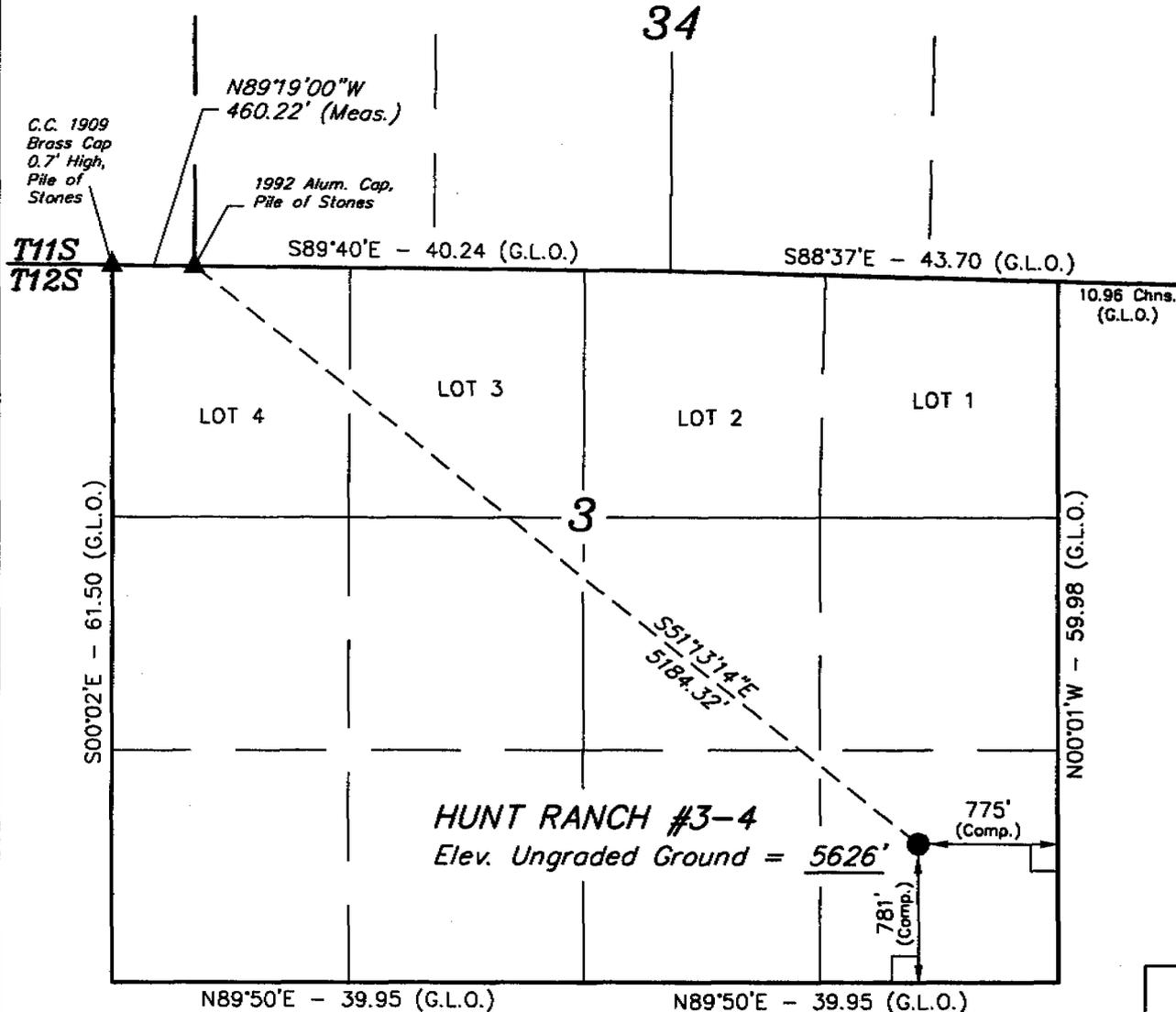
T12S, R15E, S.L.B.&M.

BASIS OF BEARINGS

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

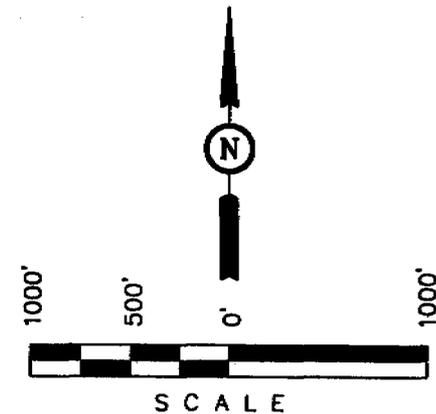
WASATCH OIL & GAS LLC.

Well location, HUNT RANCH #3-4, located as shown in the SE 1/4 SE 1/4 of Section 3, T12S, R15E, S.L.B.&M. Carbon County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION AT AN INTERSECTION LOCATED IN THE SE 1/4 CORNER OF SECTION 32, T11SS, R15E, S.L.B.&M. TAKEN FROM THE CURRANT CANYON QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5774 FEET.



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 Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

LEGEND:

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

LATITUDE = 39°47'52"
 LONGITUDE = 110°12'56"

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

SCALE 1" = 1000'	DATE SURVEYED: 4-9-01	DATE DRAWN: 4-10-01
PARTY J.F. P.J. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE WASATCH OIL & GAS LLC.	



Fax Cover Page

Date: 4/23/01

To: Utah Division of Oil, Gas, & Mining
Al McKee
Phone: 801-538-5274
Fax: 801-359-3940

From: Todd Cusick
Phone: 801-451-9200
Fax: 801-451-9204

Pages:

Subject:

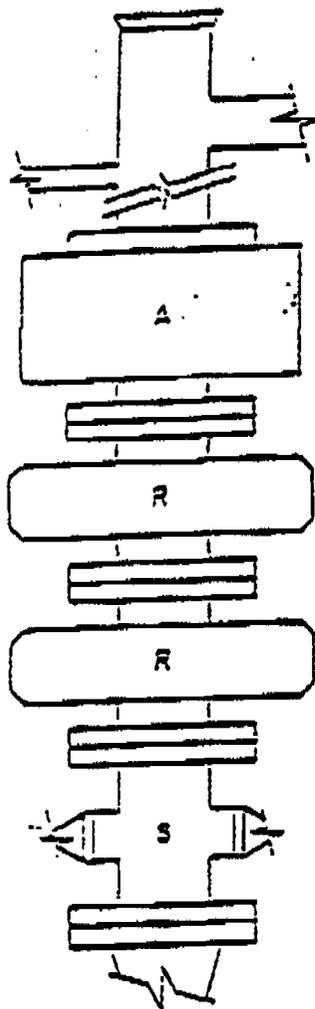
Al:

We apologize for the oversight. Here is the BOP schematic.

Thanks!

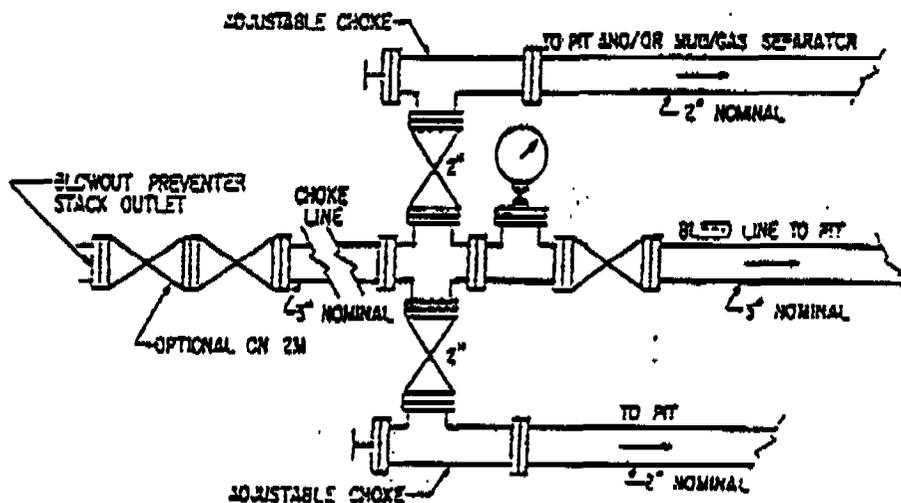
Todd

BOP Schematic
Wasatch Oil & Gas LLC
Hunt Ranch #3-4
SESE, Sec. 3, T 12 S, R 15 E
Carbon County, Utah



BOP Schematic - 3000 PSI Working Pressure
Arrangement SRRA

Choke Manifold Schematic
3,000 PSI Working Pressure





Thursday, April 12, 2001

Lisha Cordova (via fax: 359-3940)
Utah Division of Oil, Gas, & Mining
1594 West North Temple Suite 1210
Salt Lake City, UT 84114-5801

Dear Lisha:

The surface owner for the Hunt Ranch #3-4 location is Hunt Oil Company. The contact for our surface agreement with them is:

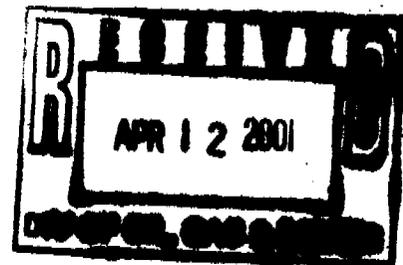
Hunt Oil Company
ATTN: Mary Lou Bray
Fountain Place, 1445 Ross at Field
Dallas, TX 75202-2785
Phone: 214-978-8723
Fax: 214-855-6788

Thanks for your help!

Sincerely,

A handwritten signature in black ink that reads "Todd Cusick".

Todd Cusick
President





Wednesday, April 18, 2001

Lisha Cordova (via fax: 359-3940; and U.S. Mail)
Utah Division of Oil, Gas, & Mining
1594 West North Temple Suite 1210
Salt Lake City, UT 84114-5801

Re: Hunt Ranch #3-4 Affidavit of Surface Agreement

Dear Lisha:

Attached you will find an Affidavit confirming that we have a surface agreement with Hunt Oil Company for the drilling of the above referenced well. You will receive originals via mail tomorrow.

On another note, the bond is in SITLA's office. However, Ed Bonner is out of the office until tomorrow. I assume that when he gets in tomorrow he can confirm for you that the bond is in place.

Please let me know if there is anything else we need to do to get this permit completed.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd Cusick".

Todd Cusick
President

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APR 19 2001

DIVISION OF
OIL, GAS AND MINING

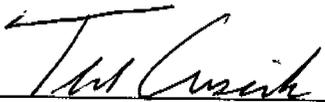
AFFIDAVIT

STATE OF UTAH }
 }
COUNTY OF DAVIS }

Todd Cusick, of lawful age and duly sworn, deposes and states:

1. That I am the President of Wasatch Oil & Gas LLC located in Farmington, Utah.
2. Wasatch Oil & Gas LLC has a Right OF Way And Surface Damage Agreement with Hunt Oil Company regarding the conditions of surface use to lands owned by Hunt Oil Company in the drilling, completing and operating of Wasatch's proposed well to be located in Section 3: SE/4SE/4 of Township 12 South, Range 15 East in Carbon County, Utah. The proposed well is known as the Hunt Ranch # 3-4.

Further, Affiant sayeth not.

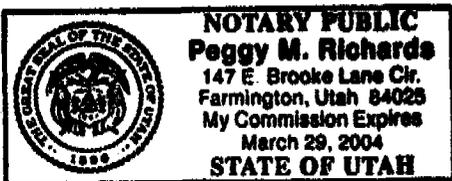


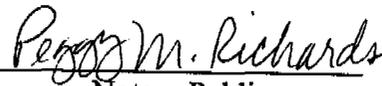
Todd Cusick

Subscribed and sworn to before me, a notary public, this 18th day of April, 2001, by Todd Cusick.

Witness my hand and official seal.

My commission expires: 3/29/04





Notary Public

Wasatch Oil & Gas LLC

Drilling Prognosis Hunt Ranch #3-4 SESE Sec. 3-T12S-R15E Carbon County, Utah

April 10, 2001

General

NOTE: This well is to be drilled as a tight hole. Unauthorized personnel are not to be allowed on rig floor. All information is to be kept confidential.

Surface Location: 781' FSL and 775' FEL
SESE Sec. 3-T12S-R15E
Carbon County, Utah

Bottomhole Location: Same

Proposed Total Depth: 5,000'

Elevation: 5,626' (Ground Level)

Drilling Contractor: Sauer Drilling Co. – Rig #30

Drilling Procedure

Location

- 1) Build location, dig and line reserve pit as per pad layout specifications.
- 2) Move in rathole driller. Drill 20" hole to 40'. Run 40' of 16" conductor casing and cement w/ ready mix to surface.
- 3) Drill rat hole and mouse hole.

Surface Hole

- 1) Move in and rig up drilling rig.
- 2) Drill a 12-1/4" surface hole to 500' Notify DOGM as to surface casing / BOP pressure test.
- 3) Circulate and condition as required. Trip out of hole.
- 4) Run and cement 500' of 8-5/8", 32#, K-55, ST&C, 8rd casing as per cement recommendation. If cement returns to surface are not obtained, run 1" pipe in casing/hole annulus and top out w/ neat cement. Wait 8 hrs on cement.
- 5) Weld on 8-5/8" X 3,000 PSI, W-92 casing head w/ 11" drilling flange.
- 6) Nipple up and pressure test BOPE and 8-5/8" casing.

Production Hole

- 1) Trip in hole w/ 7-7/8" bit. Drill out float collar and guide shoe.
- 2) Drill 7-7/8" production hole from base of surface casing to T.D.
- 3) Drillstem tests may be run in the Wasatch (contingent on shows and/or drilling breaks)
- 4) Drilling samples will be caught every 20' from surface to 500'. Mudloggers will be on location and rigged up by 500'. 10' samples will be caught from 500' to T.D. or as directed by wellsite geologist.
- 5) Well will be drilled to a depth of 5,000'

Page 2
Hunt Ranch #3-4
Drilling Prognosis

- 6) At T.D., condition hole for running openhole logs as per mud program.
- 7) Run openhole logs as per logging program.

Decision Point: Producible/Dryhole

Producible

- 1) Trip in hole w/ bit and drill string. Condition hole for running pipe. Trip out of hole laying down drill-pipe and collars.
- 2) Run and cement 4-1/2" production casing according to cement recommendation.

Dryhole

- 1) Notify DOGM and receive plugging orders. Trip in hole open ended and plug well as per DOGM orders.
- 2) Release drilling rig. Reclaim location.

Estimated Tops of Geological Markers
 (Assuming KB elevation of 5,634')

<u>Formation</u>	<u>Top</u>	<u>Sub Surface</u>
Green River	Surface	
Green River Marker	722'	+ 4,949'
Uteland Butte Limestone	1,591'	+4,080'
Upper Wasatch	1,643'	+4,028'
Middle Wasatch	2,714'	+2,920'
North Horn	3,766'	+1,905'

Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations
 (Assuming KB elevation of 5,634')

<u>Formation</u>	<u>Top</u>	<u>Possible Formation Content</u>
North Horn	Sands from 3,800' to 4,500'	Gas

Pressure Control Equipment

- 1) Type: 11" X 3,000 psi WP, Shaffer "LWS" double-gate BOP and 11" X 3,000 psi WP spherical annular BOP with hydraulic closing unit.

The blowout preventer will be equipped as follows:

- 1) One set of blind rams
- 2) One set of pipe rams
- 3) Drilling spool with two side outlet (choke side: 3" minimum and kill side 2" minimum)
- 4) Kill line: Two-inch minimum

Page 3
Hunt Ranch #3-4
Drilling Prognosis

- 5) Two kill line valves, one of which will be a check valve (2" minimum)
- 6) Choke line: Three-inch minimum.
- 7) Two choke line valves: Three-inch minimum.
- 8) One manually operated choke: Three-inch minimum.
- 9) Pressure gauge on choke manifold.
- 10) Upper kelly cock with handle readily available.
- 11) Full opening internal blowout preventer or drill pipe safety valve able to fit all connections.
- 12) Fill-up line to be located above uppermost preventer.

2) PRESSURE RATING: 3,000 PSI

3) TESTING PROCEDURE

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the approved BOP stack. (if isolated from the surface casing by means of a test plug) or 70% of the internal yield strength of the surface casing (if not isolated from the surface casing by means of a test plug). Pressure will be maintained for a period of at least ten minutes or until requirements of the test are met, whichever is longer.

At a minimum, this pressure test will be performed:

- 1) When the BOP is initially installed
- 2) Whenever any seal subject to test is broken.
- 3) Following related repairs.
- 4) At thirty day intervals.

In addition to the above, the pipe rams will be activated daily, and the blind rams will be activated on each trip (but not more frequently than once each day). All BOP tests and drills will be recorded in the IADC Driller's Log (tour sheet)

5) CHOKE MANIFOLD EQUIPMENT:

All choke lines will be straight lines, unless turns use tee-blocks, or are targeted with running tees. These lines will be anchored to prevent whip and vibration.

6) ACCUMULATOR:

The accumulator will have sufficient capacity to close all rams (plus the annular preventer, if applicable) and maintain a minimum of 200 psi above the precharge pressure without the use of the closing-unit pumps. The fluid reservoir capacity will be double the accumulator capacity and the fluid level will be maintain at the manufacturer's recommendation. The BOP system will have two independent power sources to close preventers. Nitrogen bottles (three minimum) will be considered one of these sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits.

7) MISCELLANEAUS INFORMATION:

The blowout preventer and related pressure-control equipment will be installed, tested, and maintained in compliance with the specifications in and requirements of the federal *Onshore Oil and Gas Order Number 2*. The choke manifold and BOP extension rods will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five feet from the wellhead, but will be readily accessible to the driller. Exact location and configuration of the hydraulic BOP closing unit will depend upon the particular drilling rig contracted to drill this hole.

Casing and Cementing Programs

1) PROPOSED CASING DESIGN

Size	Interval	Length	Description	SFt	SFc	SFb
16" Conductor	0'-40'	40'	0.25" WT			
8-5/8"	0' - 500'	500'	32#, K-55, STC			
4-1/2"	0' - 5,000'	5,000'	11.6#, K-55, LTC			

A regular guide shoe and insert float will be run on the bottom and top of the first joint on casing. The guide shoe and float collar will be made up with A.P.I. thread locking compound. On 4-1/2" casing, a stop ring and centralizer will be run in the middle of the shoe joint. Centralizers will be ran 1 joint above float and across all potential pay zones.

NOTE: Casing strings will be pressure tested to 0.22 psi/ft of casing string depth, or 1,500 psi, whichever is greater (not to exceed 70 % of the internal yield strength of the casing) after cementing and prior to drilling out from under the casing shoe.

2) PROPOSED CEMENTING PROGRAM

Casing / Hole Size	Cement Slurry	SX	PPG	Yield
8-5/8" / 12-1/4"	Class "G" w/ 2% CaCl ₂ & 0.25 PPS Flocele (100% excess)	360	15.8	1.17

Casing Equipment: 1 - Regular Guide Shoe
 1 - Insert float collar

NOTE: Precede cement w/ 50 bbls of fresh water. Have 100 sx "neat" cement on location and 1" line pipe to pump a cement top job if cement is not circulated to surface and/or cement falls back. All waiting-on - cement times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

Casing / Hole Size	Cement Slurry	SX	PPG	Yield
4-1/2" / 7-7/8"	Thixotropic cement w/ 2% CaCl ₂ , 0.25 PPS Flocele (30% excess)	400	14.6	1.50

NOTE: A two stage cement job may be required.

Casing Equipment: 1 - Regular guide shoe
 1 - Differential-fill float collar
 10 - Centralizers (Casing will be centralized on shoe jt and across all potential pay zones)

NOTE: Precede cement with 50 bbls of fresh water. Run compatibility test on proposed cement with actual make-up water. Cement design and volumes may be altered depending on results of caliper log and presence of lost circulation zones.

Drilling Fluids Program

SURFACE HOLE: 0' - 500' HOLE SIZE: 12-1/4" 8-5/8" CASING

Spud well and drill to 500' with fresh water using additions of a flocculant and gel / lime / polymer sweeps as necessary for solids settling and good hole cleaning.

Recommend Fluid Properties: Weight 8.4 - 9.0 PPG
 Viscosity 30-40 SEC / QT
 Water Loss N.C.

PRODUCTION HOLE: 500' - 5,000' HOLE SIZE: 7-7/8" 4-1/2" CASING

Drill out surface casing cement with water discarding contaminated fluid into reserve pit. Mud up with low-solids, non-dispersed mud system. Keep trip speeds down to reduce surge/swab pressure. Keep hole full at all times. Monitor pit levels to detect loss circulation and gas kicks. Sweep hole as dictated by hole conditions and prior to running production casing. Keep drill string moving at all times. Have 100-200 PPM nitrates in mud system prior to drilling any potential pay zones that may be DST'd.

Recommended Fluid Properties: Weight 8.6 - 9.2 PPG
 Viscosity 32-36 SEC / QT
 Water Loss 10 - 15 CCS

Evaluation Program

OPENHOLE LOGGING: Schlumberger's Platform Express

DRILLSTEM TESTING: Potential test of any significant shows. Unless otherwise indicated, recommended DST times will be as follows: IF (15 min) ISI (60 min) FF (60 – 90 min, depending on blow at surface) and FSI (2 x FF). Keep length of anchor to a minimum while testing. Test string should include dual packers, top and bottom pressure recorders, jars, safety joint, sample camber, and reverse circulating sub (pressure and bar activated).

CORING: None anticipated.

STIMULATION: All prospective zones will be perforated, flow tested and evaluated to determine if acidizing and/or fracturing is required. The drill site will be of sufficient size to accommodate all completion operations.

The proposed Evaluation Program may change at the discretion of the well-site drilling supervisor and geologist with the approval from the DOGM.

Two copies of all logs, core descriptions, core analyses, DST test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during drilling, workover, and/or completion operations will be filed on form 8. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Utah DOGM.

Abnormal Conditions

No abnormal temperature or pressures are anticipated in the drilling of the Hunt Ranch #3-4

Anticipated Starting Date and Miscellaneous

- 1) ANTICIPATED STARTING DATE:
- | | |
|-----------------------|----------------|
| Location Construction | April 23, 2001 |
| Spud Date | April 30, 2001 |
| Drilling Days | 10 days |
| Completion Days | 5 days |

3) MISCELLANEOUS

There will be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices will be observed.

All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with R649-3-5. There will be a sign or marker with the name of the operator, lease serial number, well name and number and survey description of the well.

Page 7
Hunt Ranch #3-4
Drilling Prognosis

Any changes in operation must have prior approval from the Utah DOGM. Pressure test will be performed before drilling out from under of all casing strings set and cemented in place. Blowout preventers controls will remain in use until the well is either completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and inspection will be recorded on the daily drilling report. All BOP test will be recorded on the daily drilling report.

The spud date will be orally reported to the DOGM twenty-four (24) hours prior to spudding.

The operator will file Form 6, Entity Action Form with the DOGM within five working days of spudding in well.

Operator will conduct a stabilized production test of at least 24 hours duration within 15 days following the completion of the well. Results of the test will be reported within 15 days after the completion of the test.

All undesirable events (fires, accidents, blowouts, spills, discharges) will be reported to the DOGM. Major events will be reported immediately and will be followed with a written report within fifteen (15) days, "Other than major events" will be reported in writing within fifteen days.

No well abandonment operations will be commenced without the prior approval of the DOGM. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the DOGM. A *Notice of Intention to Abandon* (Form DOGM-9) will be filed with the DOGM within five (5) days following the granting of oral approval to plug and abandon.

Upon completion of approved plugging, a regulation marker will be erected in accordance with R649-3-24-7. The following information will be permanently placed on the marker with a plate, cap, or beaded-on with a welder: Company Name and Number, Location by Quarter/Quarter, Section, Township, Range and State Lease Number.

A *Subsequent Report of Abandonment* (Form DOGM-9) will be submitted within five (5) days following the actual plugging of the well bore. This report will indicate where plugs were placed and the current status of surface restoration operations. If surface restoration has not been completed at that time, a follow-up report on Form DOGM-3 will be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

Date:

4/11/01

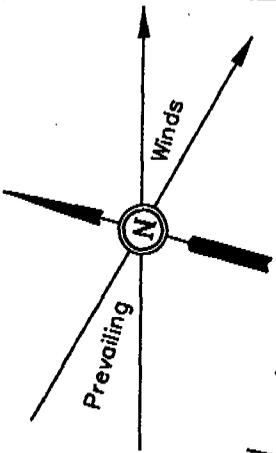
Prepared by:

Eric Noblitt
Eric Noblitt, Agent
Wasatch Oil & Gas LLC

WASATCH OIL & GAS LLC.

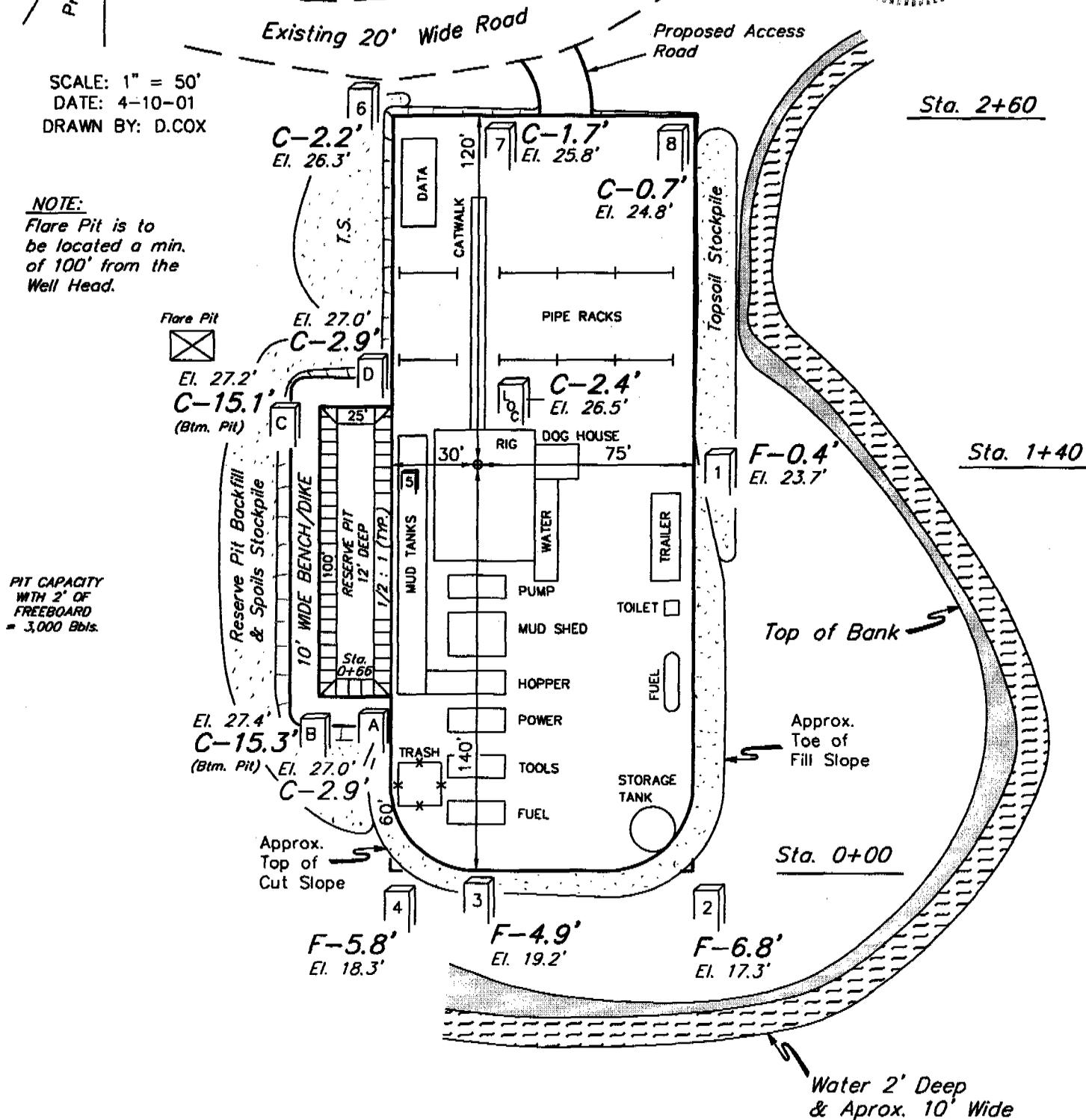
LOCATION LAYOUT FOR

HUNT RANCH #3-4
SECTION 3, T12S, R15E, S.L.B.&M.
781' FSL 775' FEL



SCALE: 1" = 50'
DATE: 4-10-01
DRAWN BY: D.COX

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.



PIT CAPACITY WITH 2' OF FREEBOARD = 3,000 Bbls.

Elev. Ungraded Ground at Location Stake = 5626.5'
Elev. Graded Ground at Location Stake = 5624.1'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

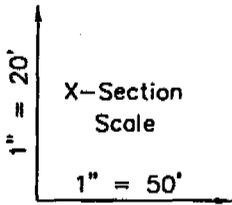
WASATCH OIL & GAS LLC.

TYPICAL CROSS SECTIONS FOR

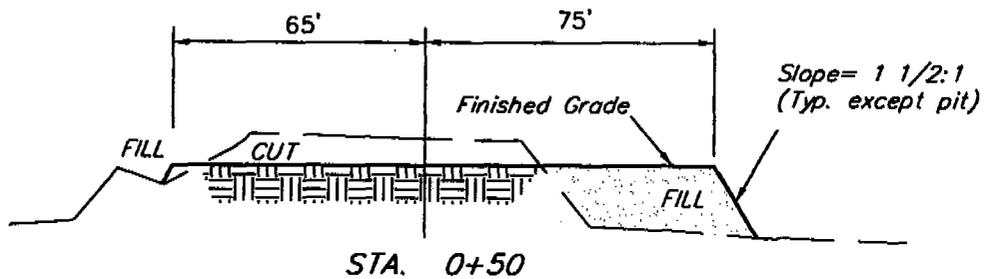
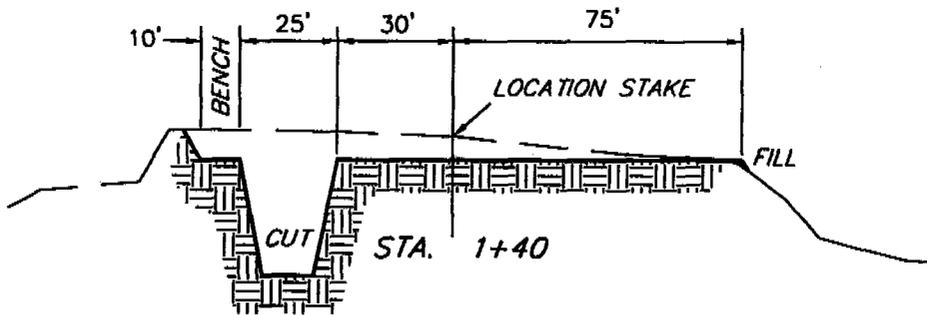
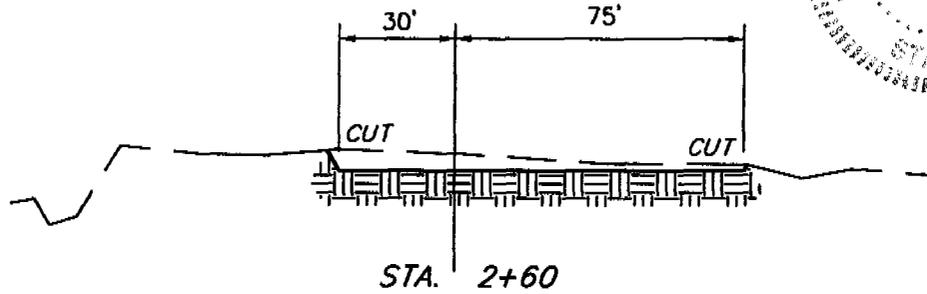
HUNT RANCH #3-4

SECTION 3, T12S, R15E, S.L.B.&M.

781' FSL 775' FEL

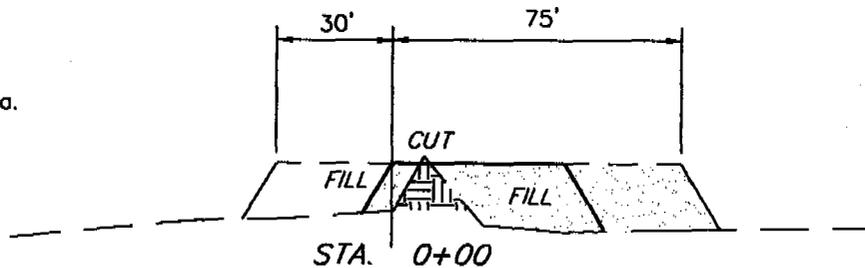


DATE: 4-10-01
DRAWN BY: D.COX



NOTE:

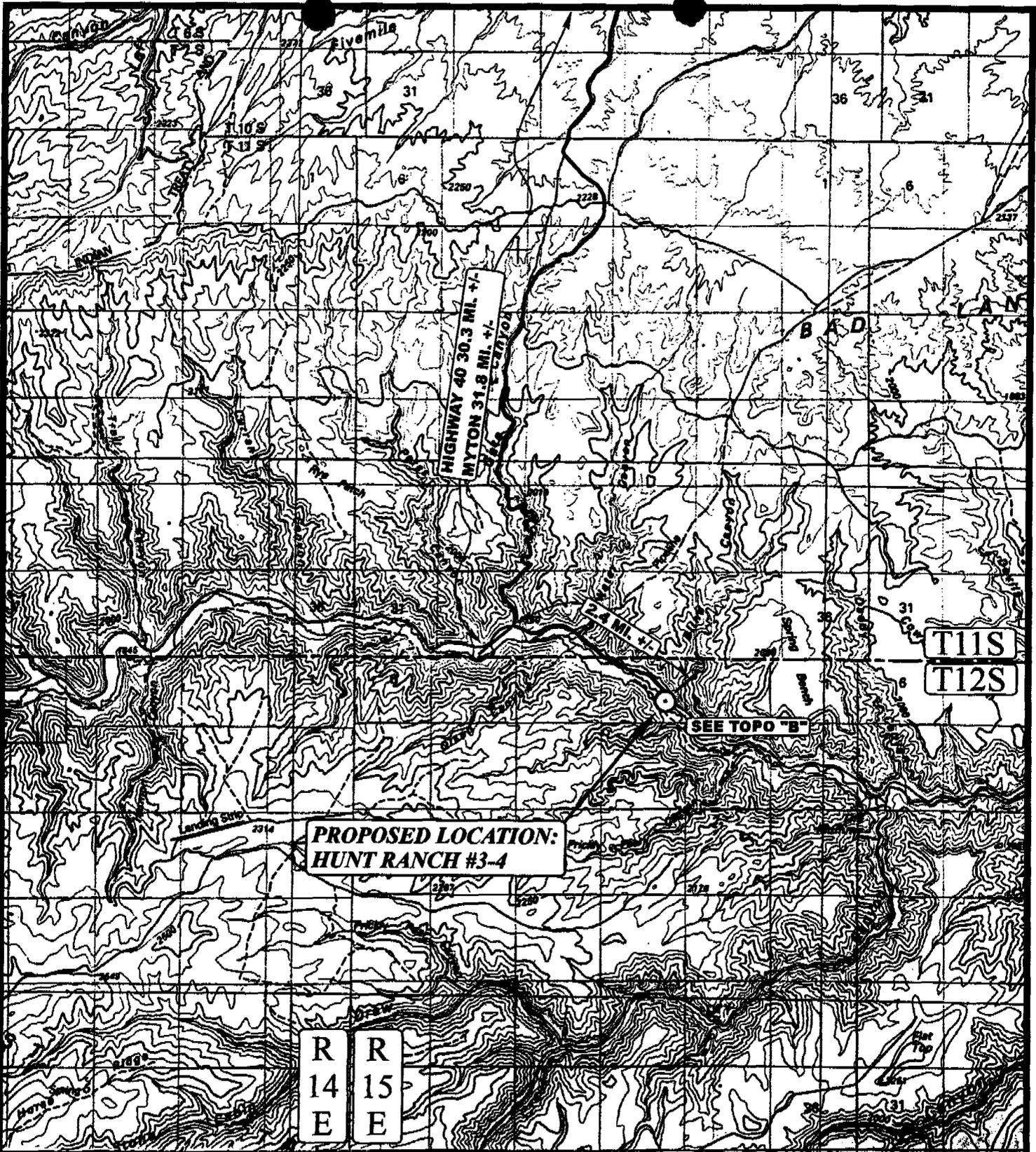
Topsoil should not be Stripped Below Finished Grade on Substructure Area.



APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	=	580 Cu. Yds.
Remaining Location	=	2,060 Cu. Yds.
TOTAL CUT	=	2,640 CU.YDS.
FILL	=	1,580 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	980 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	980 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.



LEGEND:

⊙ PROPOSED LOCATION

N

WASATCH OIL & GAS, LLC.

HUNT RANCH #3-4

SECTION 3, T12S, R15E, S.L.B.&M.

781' FSL 775' FEL



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



TOPOGRAPHIC
MAP

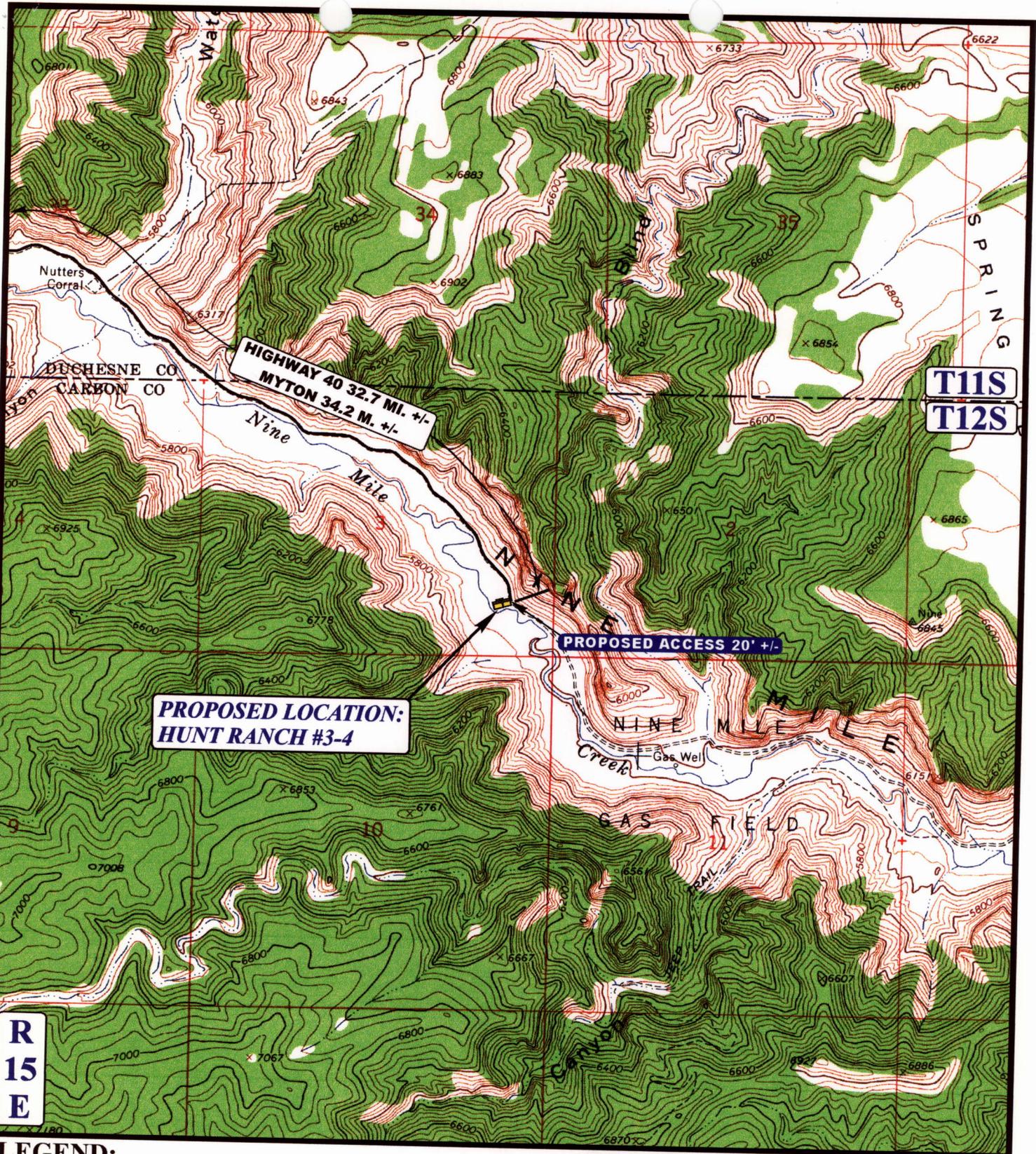
4 **1001**
 MONTH DAY YEAR

SCALE: 1: 100,000

DRAWN BY: K.G.

REVISED: 00-00-00





**PROPOSED LOCATION:
HUNT RANCH #3-4**

PROPOSED ACCESS 20' +/-

**HIGHWAY 40 32.7 MI. +/-
MYTON 34.2 M. +/-**

**T11S
T12S**

**R
15
E**

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



WASATCH OIL & GAS, LLC.

**HUNT RANCH #3-4
SECTION 3, T12S, R15E, S.L.B.&M.
781' FSL 775' FEL**



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

TOPOGRAPHIC MAP **4 10 01**
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: K.G. REVISED: 00-00-00

**B
TOPO**



Wednesday, April 11, 2001

Lisha Cordova
Utah Division of Oil, Gas, & Mining
1594 West North Temple Suite 1210
Salt Lake City, UT 84114-5801

Re: Evidence of Division of Water Rights Approval for Use of Water, APD attachment to Hunt Ranch #3-4 well

Dear Lisha:

The Water Right number is **90-1542**. This source is owned by SITLA and a copy of their Water Rights description is attached along with a copy of our Right of Entry #4366 to use the water well.

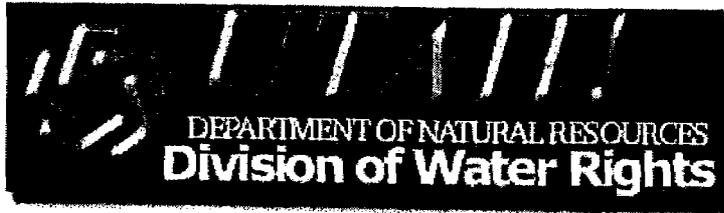
This water source has been previously approved by the DOGM for drilling operations on our Peters Point #3A (API# 43-007-30709).

Please let me know if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Todd Cusick". The signature is written in a cursive style with a prominent horizontal line at the top.

Todd Cusick
President



WRPRINT Water Right Information Listing

Version: 2000.10.23.00 Rundate: 04/11/2001 10:17 AM

Water Right 90-1542

[View Documents](#)

[WRPRINT] ***WR#: 90 1542 has been PRINTED!!

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 04/

WRNUM: 90-1542 APPLICATION/CLAIM NO.: A44936 CERT. NO.:

OWNERSHIP*****

NAME: State of Utah School & Institutional Trust Lands Admin OWNER MISC:
ADDR: 675 East 500 South, 5th Floor
CITY: Salt Lake City STATE: UT ZIP: 84102 INTEREST:
LAND OWNED BY APPLICANT?

DATES, ETC.*****

FILING: / / | PRIORITY: 04/21/1975 | ADV BEGAN: / / | ADV ENDED: / / | NEWSPAPER:
PROTST END: / / | PROTESTED: [] | APPR/REJ: [] | APPR/REJ: / / | PROOF DUE: / / | EXTE
ELEC/PROOF: [Election] | ELEC/PROOF: / / | CERT/WUC: 03/19/1976 | LAP, ETC: / / | PROV LETR: / / | RENO
PD Book No. Type of Right: APPL Status: WUCS Source of Info: WUC Map: 406 Date Verified: 11/02/1989

LOCATION OF WATER RIGHT*****

FLOW: 0.015 cfs SOURCE: UGW Well
COUNTY: Carbon COMMON DESCRIPTION:

POINT OF DIVERSION -- UNDERGROUND:
(1) S 800 ft W 2300 ft from NE cor, Sec 32, T 12S, R 16E, SLBM DIAM: 7 ins. DEPTH: 280 to ft. YEAR DRILLED
Comment:

RIGHT OF ENTRY NO. 4366

This RIGHT OF ENTRY Agreement is entered into as of the 1st day of November, 2000 between the State of Utah, through its SCHOOL AND INSTITUTIONAL TRUST LANDS ADMINISTRATION, (the "Trust Lands Administration") and WASATCH OIL & GAS, LLC, P.O. Box 699, Farmington, Utah 84025 (hereinafter "Permittee").

Now therefore, in consideration of the payment of \$ 600.00, which includes a \$50.00 application fee, and a \$50.00 processing fee, receipt of which is hereby acknowledged, and the performance of the parties' respective obligations hereunder, the Trust Lands Administration authorizes Permittee to occupy the state land described below for the following express uses: for the purpose of utilizing an existing water well and a portable water storage tank. The well is filed in the name of Trust Lands Administration. (the "Permitted Uses"):

The Property subject to this right of entry is described as follows ("the Permitted Property"):

CARBON COUNTY

Township 12 South, Range 16 East SLB&M
Section 32: NW4 (within)
Containing 1.00 acres, more or less

The terms upon which this permit is issued are as follows:

1. In consideration of the grant of this permit, Permittee shall pay to the Trust Lands Administration the following amounts, payable as hereinafter stated: The amount of \$ 600.00 which includes a \$50.00 application fee and a \$50.00 processing fee.
2. The term of this right of entry shall be for one year commencing on November 1, 2000 and expiring October 31, 2001.
3. Permittee shall be responsible to notify holders of state issued interests in the Permitted Property, as shown on Exhibit "A" attached hereto, of Permittee's rights and plans hereunder. Permittee accepts this agreement subject to all such existing interests and accepts responsibility for coordination of its activities with such other interested parties.
4. Permittee shall be responsible for all damages and claims incurred in connection with the activities conducted by it on or about the Permitted Property. Accordingly, Permittee agrees to indemnify, defend and hold the Trust Lands Administration harmless from any and all claims.

suits, damages, losses, expenses, costs and liabilities (including interest, penalties and attorneys fees) arising out of or in any way related to the use of the Permitted Property by Permittee, its servants, employees, agents, sublessees, assignees, or invitees, including but not limited to claims for personal injury, death, property damage, and including without limitation, any such injuries or damages caused in whole or in part by the negligence of the Trust Lands Administration and regardless of whether liability without fault is sought to be imposed upon the Trust Lands Administration, except to the extent that such injury or damage was caused by the willful misconduct of the Trust Lands Administration. In addition, Permittee agrees to indemnify and hold the Trust Lands Administration harmless from any and all claims, suits, damages, losses, expenses, costs and liabilities (including interest, penalties and attorneys fees) arising out of or in any way related to any noncompliance by Permittee, its servants, employees, agents, sublessees, assignees, or invitees with any environmental law, rule or regulation or any other law, rule or regulation of any county, state or federal authority.

5. Permittee acknowledges that it has been afforded an opportunity to inspect the Permitted Property and, based upon such inspection, hereby accepts the Permitted Property in its existing, as is condition, subject to all existing hazards to person or property - whether natural or manmade. Based on such acknowledgment and acceptance and in consideration for the grant of this Right of Entry, Permittee does hereby release and forever discharge the Trust Lands Administration, and its officers and employees, from any and all liability, claims, damages, causes of action or expenses for any bodily injury, death or property damage which is suffered by Permittee or any person claiming by, through or under Permittee and occurs in connection with the use of the Permitted Property.

6. Permittee agrees that it will only conduct those activities expressly authorized in the Permitted Uses stated above. It is expressly understood that there will be no permanent structures constructed nor shall any surface-disturbing activities be committed upon the Permitted Property unless specifically authorized in this agreement. Use of existing roads within the Permitted Property is expressly permitted unless stated otherwise herein; provided that any damage done to existing roads within the Permitted Property shall be repaired at Permittee's expense and all roads used shall be left in good condition.

7. In the event Permittee shall observe any site or specimen appearing to be a potential paleontological or archaeological resource (hereinafter a "Site or Specimen"), Permittee shall promptly notify the Division of State History and the Trust Lands Administration and shall not damage or disturb such Site or Specimen. In the event one of the Permitted Uses of this right of entry is the conduct of seismic survey activity, Permittee, prior to conducting any such activities shall first cause an archaeological survey to be conducted of the Permitted Property. In the event at any time during the term of this Right of Entry a Site or Specimen is identified, Permittee will cease all seismic activity in regards to the line associated with the known Site or Specimen until granted written permission otherwise from the Trust Lands Administration.

8. Permittee acknowledges that scraping and removing trees or vegetation is prohibited unless specifically authorized by this agreement. In any area wherein scraping is done or the

natural condition of the soil is materially disturbed, upon completion of the activity, the soils shall be returned to their natural condition with seeding of grasses and/or native plants as required by the Trust Lands Administration.

9. Permittee agrees to reimburse the Trust Lands Administration for the costs of suppressing fires caused by Permittee or its servants, employees, agents, sublessees, assignees, or invitees. In the event a fire should occur, Permittee shall take all immediate action necessary to suppress and control the fire. The actions will be at no cost to the Trust Lands Administration. In the event it is necessary that the Administration take action to suppress the fire, all costs associated therewith shall be borne by the Permittee.

10. Permittee will maintain the Permitted Property in a clean, well maintained condition at all times. Upon completion of activities, Permittee will remove all trash and debris from the Permitted Property.

11. If drilling is authorized by this agreement, any mud used must be properly contained in pits, and upon completion, these pits must be filled and restored to their natural contour with the land left in a restored condition with seeding of grass and native plants as required by the Trust Lands Administration.

12. The Trust Lands Administration reserves the right to inspect the Permitted Property subsequent to the expiration of this agreement and to recall Permittee for correction of any violations of any of the covenants set forth herein. All provisions of this agreement pertaining to the Permittee's responsibilities hereunder shall be deemed to survive the expiration or earlier termination of this agreement.

13. The Permittee agrees that, for reasonable cause shown, at any time during the term of this permit, the Trust Lands Administration may require that the amount of an existing bond be increased or if a bond has not been previously required, Trust Lands Administration may require Permittee to post with the Trust Lands Administration a bond with an approved corporate surety company authorized to transact business in the State of Utah, or such other surety as may be acceptable to the Trust Lands Administration, in a penal sum to be determined by the Trust Lands Administration, said bond to be conditioned upon full compliance with all terms and conditions of this permit and the rules relating hereto. The amount of this bond shall not be deemed to limit any liability of Permittee. Any bond issued hereunder shall be for a term expiring at least ninety (90) days following the expiration of this agreement.

14. Permittee agrees that no firewood will be used on or removed from the Permitted Property described in the agreement unless authorized by a small forest products permit issued by the Trust Lands Administration.

15. Permittee shall carry public liability insurance covering bodily injury, loss of life or property damage arising out of or in any way related to Permittee's activities on the Permitted Property, with coverage in a "Combined Single Limit" of not less than One Million Dollars

(\$1,000,000) for total claims for any one occurrence. The insurance may be in the form of a blanket liability coverage so long as such blanket policy does not act to reduce the limits or diminish the coverage required hereunder. The Permittee must maintain a current authenticated certificate of insurance on file with the Trust Lands Administration. Failure to do so is cause for suspension and termination of the right-of-entry. In addition, the policy shall:

- (a) state that the insurance company shall have no right of subrogation against the Trust Lands Administration.
- (b) name the Trust Lands Administration as an insured and expressly provide for specific coverage of the Permittee's assumed obligation to indemnify the Trust Lands Administration.
- (c) stipulate that the Trust Lands Administration shall be notified thirty (30) days in advance of the termination or modification of the policy. The name of the insured on the insurance policy must be the same as the name on the right-of-entry.

16. Permittee(s) shall comply with all applicable County, State and Federal laws and regulations existing or hereafter enacted or promulgated which pertains in any regard to Permittee's activities to be conducted upon the Permitted Property.

17. Permittee shall reclaim all surface disturbances authorized pursuant to this agreement to the satisfaction of the Trust Lands Administration.

This agreement is entered into as of the day first above written.

THE STATE OF UTAH
SCHOOL AND INSTITUTIONAL
TRUST LANDS ADMINISTRATION

Wasatch Oil & Gas, LLC
P.O. Box 699
Farmington, Utah 84025

By: *Scott M. Higgins*
Realty Specialist

By: *Tom Cruise*
Its: President

APPROVED AS TO FORM:
JAN GRILLAM
ATTORNEY GENERAL.

By: s/John Andrews
Special Assistant Attorney General

Date: November 1, 2000

Right of Entry No. 4366
Exhibit A

Township 12 South, Range 16 East SLR&M
Section 32: NW4 (within)

Grazing Permit No. 21827 - Hunt Oil Company
1445 Ross At Field Fountain Place
Dallas, TX 75202-2785

Mineral Lease No. 43541- Mission Energy LLC
531 Encinitas Blvd, Suite 200
Encinitas, CA. 92024-3773

Mineral Lease No. 43541 A- Wasatch Oil & Gas Corporation
P.O. Box 699
Farmington, UT. 84025-0699

Mineral Lease No. 43798- Wasatch Oil & Gas Corporation
P.O. Box 699
Farmington, UT. 84025-0699

Easement No. 125 - Bureau of Land Management (BLM)
Attn: Field Office Manager
82 East Dogwood Drive
Moab, Utah 84532

APR-11-01 WED 10:06

1102

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

FORM 5

DESIGNATION OF AGENT OR OPERATOR

The undersigned is, on record, the holder of oil and gas lease

LEASE NAME: SITLA
LEASE NUMBER: ML-47555

and hereby designates

NAME: Wasatch Oil & Gas LLC
ADDRESS: PO Box 699
city Farmington state UT zip 84025

as his (check one) agent G (operator), with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the Division Director or Authorized Agent may serve written or oral instructions in securing compliance with the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah with respect to:

(Describe acreage to which this designation is applicable. Identify each oil and gas well by API number and name. Attach additional pages as needed.)
State Lease ML-47555 (165.80 acres)
T12 S. R15E, S.L.B.&M.
Section 3: Lot 4 (42.88), NW/4SE/4, SE/4SE/4
Section 4: Lot 1 (42.92)
Carbon County, Utah

It is understood that this designation of agent/operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Conservation General Rules and Procedural Rules of the Board of Oil, Gas and Mining of the State of Utah. It is also understood that this designation of agent or operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated agent/operator, the lessee will make full and prompt compliance with all rules, lease terms or orders of the Board of Oil, Gas and Mining of the State of Utah or its authorized representative.

The lessee agrees to promptly notify the Division Director or Authorized Agent of any change in this designation.

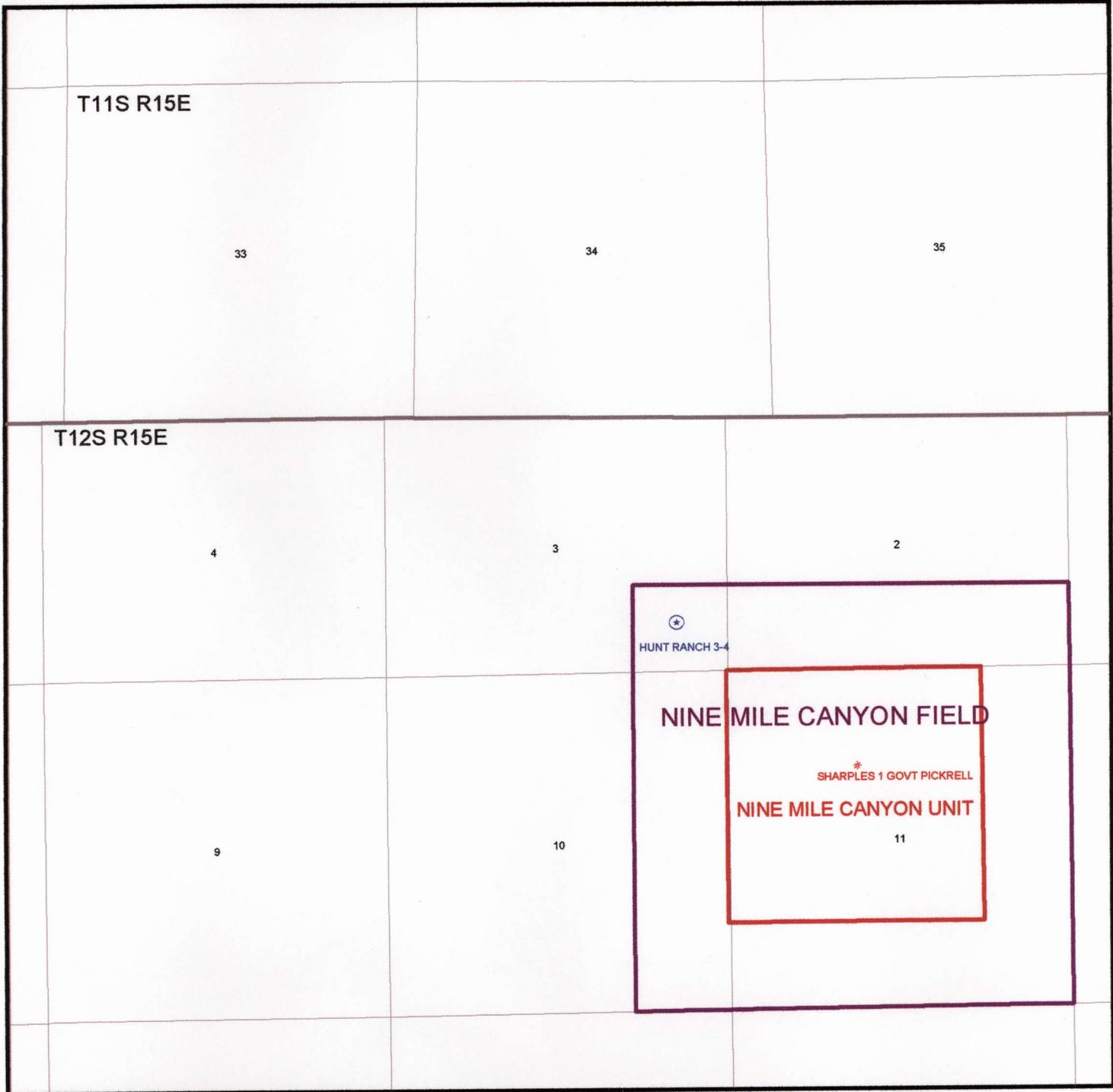
Effective Date of Designation: 04/01/2001

BY: (Name) John C. Osmond
(Signature) [Signature]
(Title) Lessee
(Phone) (720) 904-5341

OF: (Company) _____
(Address) 1645 Court Place # 337
city Denver
state CO zip 80202



OPERATOR: WASATCH O&G LLC (N4520)
SEC. 3, T12S, R15E
FIELD: NINE MILE CANYON (035)
COUNTY: CARBON SPACING: R649-3-2/GEN ST



04-01 Wasatch Hunt 3-4

Casing Schematic

Surface

8-5/8"
MW 8.4
Frac 19.3

TOC @
0.

~ w/ 23% wash-out

Surface
500. MD

BOP

$$.052 (9.2) 5000 = 2392$$

$$.12 (5000) = \langle 600 \rangle$$

$$\underline{\underline{1792 \text{ psi}}}$$

3 M- SRRA BOPE Adequate

RAM. 4/23/01

Next Schematic

TOC @
3219.

~ w/ 15% wash-out

4-1/2"
MW 9.2

Production
5000. MD

Well name:	04-01 Wasatch Hunt 3-4	
Operator:	Wasatch Oil and Gas	Project ID:
String type:	Production	43-007-30775
Location:	Carbon Co.	

Design parameters:

Collapse

Mud weight: 9.200 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi
 Internal gradient: 0.478 psi/ft
 Calculated BHP: 2,390 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: 4,312 ft

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 135 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 375 ft

Cement top: 3,219 ft

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	5000	4.5	11.60	K-55	LT&C	5000	5000	3.875	17127
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	2390	4960	<u>2.08</u>	2390	5350	<u>2.24</u>	58	180	<u>3.10 J</u>

Prepared by: R.A. McKee
 Utah Dept. of Natural Resources

Date: April 23, 2001
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 5000 ft, a mud weight of 9.2 ppg. The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

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

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

Operator Name: Wasatch Oil & Gas LLC
Name & Number: Hunt Ranch #3-4
API Number: 43-007-30775
Location: 1/4,1/4 SE/SE Sec. 3 T. 12S R. 15E

Geology/Ground Water:

Wasatch has proposed setting 500 feet of surface casing at this location. The depth to the base of the moderately saline ground water is estimated to be at 2,000 feet. A search of Division of Water Rights records indicates that no water wells are located within a 10,000 foot radius of the center of Section 3. The surface formation at this location is Quaternary alluvium overlying the Green River Formation. The Green River Formation is made up of interbedded limestones, sandstones and shales. The proposed location is in a recharge area for shallow aquifers for the Green River Formation. An active stream is located just off of location which must be protected from spills, drilling and production fluids. The proposed casing and cementing program should adequately protect any useable ground water in this area.

Reviewer: Brad Hill
Date: 04/23/2001

Surface:

A presite investigation of the surface area was done by the DOGM staff to take input and address surface issues regarding the drilling of said well. The Hunt Oil Company was contacted by DOGM on 04/17/01 where Mary Lou Bray explained that Jim Brown would represent them on the onsite visit. Mr. Brown was also contacted and attended meeting. No issues or concerns regarding surface use or development of this well by the landowner were noted. DOGM did ask the landowner representative about flood potential along this piece of ground. Mr. Jim Brown wasn't aware of any past flooding or flash flooding potential. A discussion was had regarding contamination of ground and stream water and stability of reserve pit. A berm just west of reserve pit wall and east of location corner #4 shall be constructed to protect stream in case of dike failure on reserve pit. Furthermore, the location shall be bermed on all sides of the location that would allow any spill during the drilling process, or production, from entering waterway.

Reviewer: Dennis L. Ingram
Date: April 17, 2001

Conditions of Approval/Application for Permit to Drill:

1. A 12 mil synthetic liner with an underlying felt pad shall be used to line and maintain the integrity of the reserve pit. After closure of the reserve pit, all fluids shall be blown or collected in a steel tank with no onsite pits allowed on location.
2. A berm sufficient to contain any spills or failures of the reserve pit along the west boundary of same, placed somewhere between reserve pit spoils pile and location corner #4. Furthermore, the location shall be bermed on all sides that would allow a spill to reach the waters of Nine Mile Creek.
3. Silt fences shall be placed at the base of all fill slopes adjacent to Nine Mile Creek.
4. The surface casing shall be cemented to surface.

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: Wasatch Oil & Gas Corporation
WELL NAME & NUMBER: Hunt Ranch #3-4
API NUMBER: 43-007-30775
LEASE: FEE _____ FIELD/UNIT: _____
LOCATION: 1/4, 1/4 SE/SE Sec: 3 TWP: 12S RNG: 15E 781' FSL 775' FEL
LEGAL WELL SITING: 460F SEC. LINE; 460F 1/4, 1/4 LINE; 920F ANOTHER WELL.
GPS COORD (UTM): 12 567121E; 4405622N
SURFACE OWNER: Mary Lou Bray ((214)978-8723 for Hunt Oil Company

PARTICIPANTS

Eric Noblitt (Wasatch Oil & Gas); Jim Brown (Represent Landowners);
Jim Oldem (dirt contractor); Dennis L. Ingram (DOGM).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Immediately south of Nine Mile Road staked between Nine Mile Creek
and road along flood plain, approximately 2.0 miles east of junction
of the Nine Mile Road and Gate Canyon Road.

SURFACE USE PLAN

CURRENT SURFACE USE: Cattle grazing and wildlife use

PROPOSED SURFACE DISTURBANCE: Location is butted against county road,
260'x 100' plus reserve pit and spoils stock pile off location.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: See attached map
from GIS data base

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Gas sales line is
Proposed to run south across Nine Mile Creek and tie into existing gas
line.

SOURCE OF CONSTRUCTION MATERIAL: Native cut & fill or borrowed

ANCILLARY FACILITIES: None requested

WASTE MANAGEMENT PLAN:

Submitted to DOGM with Application to Drill

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Located adjacent to creek in
Flood plain

FLORA/FAUNA: Chest high greasewood, some sagebrush and grass with
prickly-pear cactus; elk, deer, mountain lion, bear, chukker, raccoon,
bobcat, rabbit, birds of prey and other small birds typical to area.

SOIL TYPE AND CHARACTERISTICS: Tan to light brown sandy loam with
Some clays.

SURFACE FORMATION & CHARACTERISTICS: Green River Formation

EROSION/SEDIMENTATION/STABILITY: Active erosion and active

sedimentation are evident in adjacent stream.

PALEONTOLOGICAL POTENTIAL: None observed at onsite review.

RESERVE PIT

CHARACTERISTICS: Proposed in cut on north side of location and parallel to well bore and prevailing winds, measuring 100'x 25'x 12' deep.

LINER REQUIREMENTS (Site Ranking Form attached): 85 points

SURFACE RESTORATION/RECLAMATION PLAN

According to landowner agreement

SURFACE AGREEMENT: No

CULTURAL RESOURCES/ARCHAEOLOGY: Not done or requested by landowner

OTHER OBSERVATIONS/COMMENTS

Location surface dropped approximately 6' in half circle around southern, western, and northern portions starting and included stakes #1, #2, #3, and #4 and will be in fill. Also, reserve pit dikes have a rather narrow berm wall in cut. This well is set along Nine Mile Canyon corridor where petroglyphs are common. Another location just south of present staking would possibly allow more surface use room but operator would need to cross Nine Mile Creek with access road (that site appears to also be in the window of Tolerance on spacing orders).

ATTACHMENTS:

Photos of all

Dennis L. Ingram
DOGM REPRESENTATIVE

02/17/01 10:00 am
DATE/TIME

**Evaluation Ranking Criteria and Ranking Scale
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>25</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>15</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>20</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>15</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>10</u>
Final Score		<u>85 points</u>



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

April 24, 2001

Wasatch Oil and Gas, LLC
PO Box 699
Farmington, UT 84025

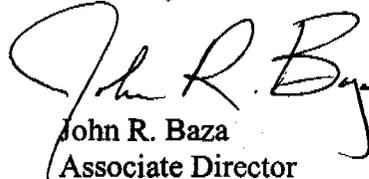
Re: Hunt Ranch 3-4 Well, 781' FSL, 775' FEL, SE SE, Sec. 3, T. 12 South, R. 15 East,
Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

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. The API identification number assigned to this well is 43-007-30775.

Sincerely,


John R. Baza
Associate Director

er

Enclosures

cc: Carbon County Assessor
SITLA

Operator: Wasatch Oil and Gas, LLC
Well Name & Number Hunt Ranch 3-4
API Number: 43-007-30775
Lease: ML 47555

Location: SE SE Sec. 3 T. 12 South R. 15 East

Conditions of Approval

1. **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.

2. **Notification Requirements**

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

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

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

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. **Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.**

5. **Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)**

Stonegate Resources, L.L.C.

R. Heggie Wilson
4994 E. Meadows Dr.
Park City, Utah 84098
(435) 647-9712
Fax 647-9713

Eric Noblitt
710 23¹/₄ Road
Grand Junction, Colorado 81505
(970) 245-3951
Fax 241-5730

June 28, 2001

State of Utah
Division of Oil, Gas and Mining
P.O. Box 14581
Salt Lake City, UT. 84114-5801

RE: Hunt Ranch #3-4

Gentleman,

Enclosed in duplicate, please find a sundry notice updating the status of the Hunt Ranch #3-4 well.

Should you have any questions concerning the above sundries, please do not hesitate to contact the undersigned.

Sincerely,



Eric Noblitt
Agent, Wasatch Oil & Gas Corporation

RECEIVED

JUN 29 2001

DIVISION OF
OIL, GAS AND 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:

ML-47555

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

NA

7. UNIT or CA AGREEMENT NAME:

NA

8. WELL NAME and NUMBER:

Hunt Ranch #3-4

9. API NUMBER:

007-30775

10. FIELD AND POOL, OR WILDCAT:

Nine Mile Canyon

1. TYPE OF WELL

OIL WELL

GAS WELL

OTHER _____

2. NAME OF OPERATOR:

Wasatch Oil & Gas LLC

3. ADDRESS OF OPERATOR:

P.O. Box 699

CITY

Farmington

STATE

UT

ZIP

84025

PHONE NUMBER:

(801) 451-9200

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 781' FSL, 775' FEL

COUNTY: Carbon

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 3 12S 15E

STATE:

UTAH

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

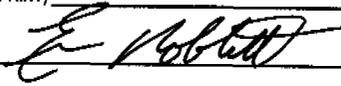
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input 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 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 checked="" 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.

Please be advised that Wasatch Oil & Gas LLC has moved in a completion rig and is currently conducting completion operations on the Hunt Ranch #3-4. Wasatch completed drilling operation on May 24, 2001.

NAME (PLEASE PRINT) Eric Noblitt

TITLE Agent

SIGNATURE 

DATE 6/28/2001

(This space for State use only)

RECEIVED

JUN 28 2001

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

FORM 6

ENTITY ACTION FORM

Operator: Wasatch Oil and Gas Operator Account Number: N 4520
 Address: PO Box 699
city Farmington
state UTAH zip 84405 Phone Number: 801-451-9200

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-007-30775	Hunt Ranch #3-4		SESE	3	12S	15E	Carbon
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	13158	5/2/01		6-12-01		
Comments: 6-12-01							

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)

Ryan Wall
 Name (Please Print)
[Signature]
 Signature
Manager Trans. & Exchange 6/11/01
 Title Date

TRANSACTION REPORT

P. 01

APR-26-2001 THU 08:27 AM

FOR: OIL, GAS & MINING

801 359 3940

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
APR-26	08:24 AM	4519204	3' 00"	6	SEND	OK	860	
TOTAL :						3M OS	PAGES:	6



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
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 Kathleen Clarke
 Executive Director
 Lowell P. Braxton
 Division Director

1594 West North Temple, Suite 1210
 PO Box 145801
 Salt Lake City, Utah 84114-5801
 801-538-5340
 801-359-3940 (Fax)
 801-538-7228 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING
 FACSIMILE COVER SHEET

DATE: April 26, 01

FAX #: 451-9204

ATTN: Todd Cusick

COMPANY: Wesatch Oil & Gas

DEPARTMENT: _____

NUMBER OF PAGES: (INCLUDING THIS ONE) 6

FROM: Lisa Condore

If you do not receive all of the pages, or if they are illegible, please call (801)538-5340.

**Wasatch Oil & Gas
Hunt Ranch 3-4
Routine Core Analysis Test Results**

June 1, 2001

Sample Number	Sample Depth (ft)	Overburden Pressure (psi)	Sample Length (in)	Sample Diameter (in)	Porosity (%)	Dry Bulk Density (g/cc)	Grain Density (g/cc)	Gas Permeability (md)	Saturation			Lithology
									Water (%)	Oil (%)	Total Fluid (%)	
1	990.00	Ambient	1.160	0.915	16.26	2.27	2.712	15.640	36.22	34.71	70.93	ss, lt gy, vfgr, calc
2	1000.00	Ambient	1.235	0.905	17.16	2.25	2.716	11.101	46.25	28.67	74.91	ss, lt gy, vfgr, calc
3	1448.00	Ambient	0.632	0.914	5.32	2.55	2.697	0.354	54.11	18.14	72.25	ms, dk gy, calc, pyr
4	1498.00	Ambient	1.499	0.913	4.67	2.64	2.772	0.990	6.53	20.12	26.65	ls, gy, f-mgy, inbd
5	2742.00	Ambient	1.218	0.911	8.46	2.40	2.621	0.030	89.40	0.00	89.40	ss, lt gy, vfgr, calc
6	2748.00	Ambient	1.183	0.911	10.49	2.41	2.692	0.203	88.40	0.00	88.40	ss, lt gy, fgr, calc
7	2836.00	Ambient	1.035	0.911	12.01	2.37	2.698	0.405	92.45	0.00	92.45	ss, lt gy, fgr, calc
8	3068.00	Ambient	1.238	0.912	10.18	2.42	2.691	0.121	85.04	0.00	85.04	ss, lt gy, vf-fgr, calc
9	3072.00	Ambient	1.099	0.910	11.28	2.39	2.694	0.323	73.61	0.00	73.61	ss, lt gy, vfgr, calc
10	3076.00	Ambient	1.165	0.913	11.19	2.39	2.686	0.340	75.80	0.00	75.80	ss, pk-gy, fgr, calc
11	3298.00	Ambient	1.180	0.912	10.08	2.42	2.694	0.115	75.64	0.00	75.64	ss, lt gy, fgr, calc
12	3308.00	Ambient	1.032	0.741	6.84	2.51	2.696	n/a	96.36	0.00	96.36	ss, lt gy, fgr, calc, mdy ripups
13	3714.00	Ambient	1.164	0.911	9.60	2.43	2.683	0.199	62.87	0.00	62.87	ss, lt gy, fgr, calc
14	3716.00	Ambient	0.601	0.911	9.29	2.42	2.667	0.396	66.43	0.00	66.43	ss, lt gy, vf-fgr, calc
15	3764.00	Ambient	1.255	0.913	4.58	2.56	2.680	0.031	80.66	0.00	80.66	ss, lt gy, mgr, calc
16	3768.00	Ambient	1.280	0.909	9.84	2.41	2.673	n/a	45.39	0.00	45.39	ss, lt gy, mgr, calc
17	3772.00	Ambient	1.285	0.913	8.40	2.46	2.686	0.187	58.93	0.00	58.93	ss, lt gy, fgr, calc

TerraTek

University Research Park
400 Wakara Way - Salt Lake City, Utah 84108
Telephone (801) 584-2400
FAX (801) 584-2406

Sample Number	Sample Depth (ft)	Overburden Pressure (psi)	Sample Length (in)	Sample Diameter (in)	Porosity (%)	Dry Bulk Density (g/cc)	Grain Density (g/cc)	Gas Permeability (md)	Saturation			Lithology
									Water (%)	Oil (%)	Total Fluid (%)	
18	4478.00	Ambient	1.087	0.910	7.15	2.49	2.681	0.160	65.24	0.00	65.24	ss, lt gy, fgr, calc
19	4482.00	Ambient	1.063	0.911	6.81	2.49	2.672	0.156	67.09	0.00	67.09	ss, lt gy, mgr, calc
20	4484.00	Ambient	1.282	0.909	6.00	2.52	2.685	0.094	80.18	0.00	80.18	ss, lt gy, fgr, calc
21	4628.00	Ambient	1.236	0.912	7.11	2.50	2.692	0.090	60.00	0.00	60.00	ss, lt gy, vfgr, calc
22	4632.00	Ambient	0.985	0.909	9.35	2.48	2.734	0.121	53.11	0.00	53.11	ss, lt gy, fgr, calc
23	4636.00	Ambient	1.035	0.910	8.06	2.47	2.686	0.202	60.92	0.00	60.92	ss, lt gy, fgr, calc

TerraTek

University Research Park
 400 Wakara Way • Salt Lake City, Utah 84108
 Telephone (801) 584-2400
 FAX (801) 584-2406

Description Scheme for Carbonate Sedimentary Rocks:

Rock Type, Color, Grain Size or Crystal Size, Porosity Type, Accessories

Description Scheme for Clastic Sedimentary Rocks:

Rock Type, Color, Grain Size, Cement, Structures and Accessories

Key to Abbreviations:

aff	- anhydrite filled fracture	gr	- grain(ed)	sa	- salty
alt	- altered	grnl	- granule	sdv	- sandy
anhy	- anhydrite(ic)	gy	- gray	sh	- shale
arg	- argillaceous	gyp	- gypsum(iferous)	shy	- shaley
bdd	- bedded	gypff	- gypsum filled fracture	sid	- siderite
bent	- bentonite	hem	- hematite(ic)	sil	- silica(eous)
bf	- buff	if	- incipient fracture	sl/	- slightly
biot	- bioturbated	incl	- inclusion	sltst	- siltstone
bit	- bitumen	intprt	- interparticle	slty	- silty
bl	- blue(ish)	intrprt	- intraparticle	ss	- sandstone
blk	- black	intxl	- intercrystalline	stn	- stain(ed)(ing)
bnd	- banded	lam	- laminated	str	- streak
brec	- breccia(ted)	lav	- lavender	styl	- stylolite
brn	- brown	lig	- lignite(ic)	suc	- sucrosic
bur	- burrowed	ls	- limestone	tan	- tan
c	- coarse	lt	- light	v/	- very
calc	- calcite(areous)	m	- medium	vc	- very coarse
carb	- carbonaceous	mar	- maroon	vf	- very fine
cff	- calcite filled fracture	mas	- massive	vgy	- vuggy
cgl	- conglomerate	mdy	- muddy	wh	- white
chky	- chalky	mic	- micro	wthrd	- weathered
chlor	- chlorite	mica	- micaceous	wvy	- wavy
cht	- chert	mol	- moldic	yel	- yellow
chty	- cherty	ms	- mudstone	xl	- crystalline
clst	- clast	mtx	- matrix		
cly	- clay(ey)	nod	- nodule(s)		
clyst	- claystone	o	- oil		
cob	- cobble	of	- open fracture		
dism	- disseminated	ool	- oolitic		
dk	- dark	org	- organic		
dff	- dolomite filled	ormg	- orange		
frac	- fracture	pbl	- pebble		
dol	- dolomite(ic)	pel	- peloids		
f	- fine	pff	- pyrite filled fracture		
fen	- fenestral	pis	- pisolitic		
fis	- fissile	pk	- pink		
flu	- fluorescence	pof	- partially open fracture		
fos	- fossil(iferous)	ppvgs	- pinpoint vugs		
frac	- fracture	ptg	- parting(s)		
fri	- friable	purp	- purple		
gff	- gouge filled fracture	pyr	- pyrite(ic)		
glauc	- glauconitic	qff	- quartz filled fracture		
gn	- green	qtz	- quartz		
		red	- red		

TerraTek

University Research Park
400 Wakara Way • Salt Lake City, Utah 84108
Telephone (801) 584-2400
FAX (801) 584-2406

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
ML-47555

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

7. UNIT or CA AGREEMENT NAME
N/A

8. WELL NAME and NUMBER:
Hunt Ranch #3-4

9. API NUMBER:
007-30775

10. FIELD AND POOL, OR WILDCAT
Nine Mile Canyon

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SESE 3 12S 15E

12. COUNTY
Carbon

13. STATE
UTAH

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 _____

2. NAME OF OPERATOR:
Wasatch Oil & Gas LLC

3. ADDRESS OF OPERATOR: P.O. Box 699 CITY **Farmington** STATE **UT** ZIP **84025** PHONE NUMBER: **(801) 451-9200**

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **781'FSL, 775' FEL**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **Same**
AT TOTAL DEPTH: **Same**

14. DATE SPUNDED: **5/2/2001** 15. DATE T.D. REACHED: **5/24/2001** 16. DATE COMPLETED: **7/5/2001** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **5,638'KB**

18. TOTAL DEPTH: MD **4,932** TVD **4,932** 19. PLUG BACK T.D.: MD **4,862** TVD **4,862** 20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____ 21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Schlumberger: PEX-AITH, ECS, CMS, NGS-C, DSI, CN/LD/GK
MUD LOG - 8-27-01 8-27-01

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
17-1/2 13	3/8" K-55	48#	0	188		"G" 495sxs	101	surface/cir	
12-1/4"	8-5/8" K-55	24#	0	506		"G" 360sxs	74	surface/cir	
7-7/8"	4-1/2" K-55	11.6#	0	4,904	50/50 Poz	672sxs	182	2,702/CBL	
					1,280	319sxs	75	surface/cir	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	3,696							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) North Horn	3,714	3,717			3,714 3,717	.45	6	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B) North Horn	3,764	3,773			3,764 3,773	.45	18	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C) North Horn	4,476	4,487			4,476 4,487	.45	22	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(D) North Horn	4,628	4,645			4,628 4,645	.45	34	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
3714'-17' & 3,764'-3,773'	Acid; 1,500 gal. 15% HCL Frac; 64,029 gals YF 125LGM w/ 145,400 lbs 20/40 Jordan
4,476'-4,487'	Acid; 1,200 gal 15% HCL Frac; 4,476'-87' & 4,628'-45' w/ 85,890 gal YF 125LGM w/ 194,180 lbs
4,628'-4,645'	Acid; 1,500 gal 15% HCL 20/40 Jordan

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: 7/13/2001		TEST DATE: 7/4/2001		HOURS TESTED: 6		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF: 185	WATER - BBL: 9	PROD. METHOD: Flowing
CHOKE SIZE: 32/64	TBG. PRESS. 103	CSG. PRESS. 360	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF: 739	WATER - BBL: 32	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED: 7/13/2001		TEST DATE: Tested w/"A"		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: 7/13/2001		TEST DATE: 6/24/2001		HOURS TESTED: 22		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF: 315	WATER - BBL: 7	PROD. METHOD: Flowing
CHOKE SIZE: 32/64	TBG. PRESS. 40	CSG. PRESS. 250	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF: 344	WATER - BBL: 8	INTERVAL STATUS: producing

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED: 7/13/2001		TEST DATE: Tested w/"C"		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.)

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)
Green River	981	1,030	Sandstone / Gas	Green River	0
North Horn	3,715	3,720	Sandstone / Gas	Green River Marker	698
North Horn	3,768	3,774	Sandstone / Gas	Uteland Butte Limestone	1,448
North Horn	4,475	4,482	Sandstone / Gas	Upper Wasatch	1,498
North Horn	4,626	4,641	Sandstone / Gas	Middle Wasatch	2,700
				North Horn	3,570

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) Eric Noblitt TITLE Agent
 SIGNATURE [Signature] DATE 8/23/2001

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 recording (CR) from a log 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

RECEIVED

AUG 27 2001

DIVISION OF
 OIL, GAS AND MINING

Stonegate Resources, L.L.C.

R. Heggie Wilson

4994 E. Meadows Dr.
Park City, Utah 84098
(435) 647-9712
Fax 647-9713

Eric Noblitt

710 23¹/₄ Road
Grand Junction, Colorado 81505
(970) 245-3951
Fax 241-5730

August 24, 2001

State of Utah
Division of Oil, Gas and Mining
P.O. Box 14581
Salt Lake City, Utah 84114-5801

RE: Hunt Ranch #3-4

Gentlemen,

Enclosed in duplicate, please find a completion report for the recently completed Hunt Ranch #3-4. Also enclosed, copies of the open-hole logs, geology report and core analysis. *Filed in log file*

Should you have any questions concerning the above information, please do not hesitate to contact the undersigned.

Sincerely,



Eric Noblitt
Agent, Wasatch Oil & Gas LLC

RECEIVED

AUG 27 2001

DIVISION OF
OIL, GAS AND MINING

PHONE CONVERSATION DOCUMENTATION FORM

This is the original form or a copy

Route this form to:

WELL FILE HUNT RANCH 3-4

SUSPENSE

OTHER

Section 03 Township 12S Range 15E
API number 43-007-30775

Return date _____

To: initials _____

Date of phone call: OCTOBER 23, 2001

Time: 3:15 PM

DOGMA employee (name) CAROL DANIELS ^{CD}

Initiated call?

Spoke with:

Name TODD KUSICK

Initiated call?

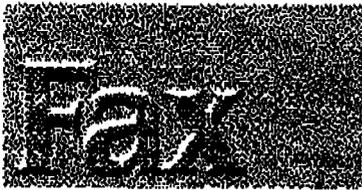
of (company/organization) WASATCH OIL & GAS LLC

Phone no. 801-451-9200

Topic of conversation: PRODUCING ZONE FOR HUNT RANCH 3-4 SHOULD BE NHORN AS REPORTED ON WCR.

Highlights of conversation: TODD KUSICK WANTED TO KNOW WHY WE NEEDED AN AMENDED WCR. I TOLD HIM JENNIFER WHITESIDES HAD SENT CAROLYN WILLIAMS, OUR PRODUCTION DATA ENTRY PERSON, A FAX STATING THE PZ SHOULD BE WSTC AND NOT NHORN. I HAD CHANGED THE PZ IN OUR COMPUTER SYSTEM TO WSTC. WE NEEDED AN AMENDED WCR SHOWING THE CHANGES IN THE PRODUCTION ZONE. SHE SAID SHE WOULD SEND ONE IN. TODD SAID THE PRODUCTION ZONE SHOULD BE NHORN AS REPORTED ON THE WCR. I TOLD HIM I WOULD CHANGE THE PZ IN OUR COMPUTER SYSTEM BACK TO NHORN FROM WSTC AND NO AMENDED WCR WOULD BE NEEDED. AFTER TALKING WITH TODD, I CHANGED THE PZ TO NHORN IN OUR COMPUTER SYSTEM. CAROLYN WILLIAMS WAS GONE FOR THE DAY. I NOTIFIED HER WEDNESDAY, 10/24/01, THE NEXT DAY, THAT THE PZ HAD BEEN CHANGED BACK TO NHORN. SHE SAID SHE WOULD CHANGE THE PRODUCTION VOLUMES FROM WSTC TO NHORN.

A COPY OF THE FAX AND COMPUTER PRINTS ARE ATTACHED.



Date: Tuesday, October 09, 2001

To: Division of Oil, Gas & Mining
Carolyn
Phone:
Fax: 801-359-3940

From: Wasatch Energy LLC
Jennifer Whitesides
Phone: 801-451-9200
Fax: 801-451-9204

Pages: 9

Subject: Hi Carolyn,
I checked on the name and it should be
Wasatch not North Horn.

(Fold Quicker) 4300730775

10-23-01- Operator called and said the P2 should be
3:15 PM kept as N Horn. Will inform Jennifer, P2 not to be WSTC.
I said "I would change P2 to N Horn in our Computer
system."

C. Daniels

Changed per FHX

Well Data



WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

WELL NAME API NUMBER WELL TYPE WELL STATUS

OPERATOR ACCOUNT ALT. ADDRESS FLAG FIRST PRODUCTION

FIELD NAME FIELD NUMBER LA/PA DATE

WELL LOCATION:

SURF LOCATION

Q. S. T. R. M.

COUNTY

UTM Coordinates:

SURFACE - N

SURFACE - E

BHL - N

BHL - E

CONFIDENTIAL FLAG

CONFIDENTIAL DATE

DIRECTIONAL | HORIZONTAL

HORIZONTAL LATERALS

FIELD TYPE

WILDCAT TAX FLAG

CB-METHANE FLAG

ELEVATION

BOND NUMBER

BOND TYPE

LEASE NUMBER

MINERAL LEASE TYPE

SURFACE OWNER TYPE

INDIAN TRIBE

C.A. NUMBER

UNIT NAME

CUMULATIVE PRODUCTION:

OIL

GAS

WATER

COMMENTS

Well Data

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

API NUMBER TYPE OF WORK UNIT NAME LEASE NUMBER TYPE

APD DATA

APD RECEIVED

APD APPROVED

APD EXTENSION DATE

AUTH CODE

PROPOSED WELL TYPE

SINGLE / MULTIPLE ZONES

LOCATION SURF - APD

LOCATION ZONE - APD

PROPOSED DEPTH - APD

PRODUCING ZONE - APD

PLANNED START DATE

WATER PERMIT

APD CONTACT

CONTACT PHONE

NEEDS RDCC REVIEW

RDCC REVIEW DONE

SPUD DATES

DRY

ROTARY

SUNDRY REPORT

INTENT RECEIVED

WORK COMPLETED

WORK CANCELED

WELL COMPLETION & SUNDRY DATA

WCR RECEIVED

LOCATION AT TD

DIRECT | HORIZ

LATERALS COMPL

COMPLETION DATE

TD - MD | TVD

PBTD MD | TVD

LOGS RUN

PRODUCING ZONE

MULT. ZONES COMPL

DIR SURV | CORED | DST

COMPLETION METHOD

WELL STATUS

WELL TYPE

PERFORATIONS

DATE FIRST PRODUCED

TEST DATE

OIL - 24HR TEST

GAS - 24HR TEST

WATER - 24HR TEST

TEST METHOD

CHOKE

TUBING PRES.

CASING PRES.

API GRAVITY

BTU - GAS

GAS-OIL RATIO

COMMENTS

011010 PZ CHG FR NHORN/FAX TRANS REC FR OPR 10/9/01 AND OUR GEOLOGISTS REVIEW OF WELL LOGS,AMENDED WCR REQ:

Get History

Create New Rec

Save

Cancel Change

Next Rec

Prev Rec

Print Recd

Export Recd

Changed after Telecom with Todd Klesick

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

WELL NAME API NUMBER WELL TYPE WELL STATUS

OPERATOR ACCOUNT ALT. ADDRESS FLAG FIRST PRODUCTION

FIELD NAME FIELD NUMBER LA | PA DATE

WELL LOCATION:

SURF LOCATION

Q. S. T. R. M.

COUNTY

UTM Coordinates:

SURFACE - N

SURFACE - E

BHL - N

BHL - E

CONFIDENTIAL FLAG

CONFIDENTIAL DATE

DIRECTIONAL | HORIZONTAL

HORIZONTAL LATERALS

FIELD TYPE

WILDCAT TAX FLAG

CB-METHANE FLAG

ELEVATION

BOND NUMBER

BOND TYPE

LEASE NUMBER

MINERAL LEASE TYPE

SURFACE OWNER TYPE

INDIAN TRIBE

C.A. NUMBER

UNIT NAME

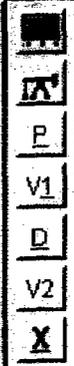
CUMULATIVE PRODUCTION:

OIL

GAS

WATER

COMMENTS



WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

API NUMBER **4300730775** TYPE OF WORK **DRILL** UNIT NAME _____ LEASE NUMBER **ML-47555** TYPE **3**

APD DATA

APD RECEIVED **4 11 2001**

APD APPROVED **4 24 2001**

APD EXTENSION DATE _____

AUTH CODE **R649-3-2**

PROPOSED WELL TYPE **GW**

SINGLE / MULTIPLE ZONES **S**

LOCATION SURF - APD **0781 FSL 0775 FEL**

LOCATION ZONE - APD **0781 FSL 0775 FEL**

PROPOSED DEPTH - APD **5000**

PRODUCING ZONE - APD **NHORN**

PLANNED START DATE **4 23 2001**

WATER PERMIT **90-1542**

APD CONTACT **TODD CUSICK**

CONTACT PHONE **801-451-9200**

NEEDS RDCC REVIEW _____

RDCC REVIEW DONE _____

SPUD DATES

DRY **5 2 2001**

ROTARY _____

SUNDRY REPORT

INTENT RECEIVED _____

WORK COMPLETED _____

WORK CANCELED _____

WELL COMPLETION & SUNDRY DATA

LOGS RUN **PEX-AITH,ECS,CMS,NGS-C,DSI,ML,CN/LD/GR**

WCR RECEIVED **8 27 2001**

LOCATION AT TD **0781 FSL 0775 FEL**

DIRECT | HORIZ _____

LATERALS COMPL _____

COMPLETION DATE **7 5 2001**

TD - MD | TVD **4932 4932**

PBTD MD | TVD **4862 4862**

PRODUCING ZONE **NHORN**

MULT. ZONES COMPL _____

DIR SURV. | CORED | DST **N Y N**

COMPLETION METHOD **OPEN HOLE**

WELL STATUS **P**

WELL TYPE **GW**

PERFORATIONS **4628-3717 OPEN HOLE**

DATE FIRST PRODUCED **7 13 2001**

TEST DATE **7 14 2001**

OIL - 24HR TEST _____

GAS - 24HR TEST **739**

WATER - 24HR TEST **36**

TEST METHOD **FLOW**

CHOKE **32/64**

TUBING PRES. **103**

CASING PRES. **360**

API GRAVITY **00.00**

BTU - GAS _____

GAS-OIL RATIO _____

COMMENTS

011010 PZ FR NHORN/FAX TRANS REC FR OPR 10/9/01:011023 CALL FR OPR PZ NHORN,CHG PZ FR WSTC:

Get History

Create New Rec

Save

Cancel Change

Next Rec

Prev Rec

Print Recd

Export Recd

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

API NUMBER 4300730775

PRODUCING ZONE NHORN

ENTITY NUMBER 13158

CUM OIL [ZONE] 0

WELL STATUS P

CUM GAS [ZONE] 13639

WELL TYPE GW

CUM WATER [ZONE] 0

Get Activity

Create New Rec

Save

Cancel Change

Next Rec

Prev Rec

Print Records

Export Records

API	ENTITY	PROD ZONE	CUM OIL ZONE	CUM GAS ZONE	CUM WATER ZONE	WELL STATUS
4300730775	13158	NHORN	0	13639	0	P

TOTAL OIL / GAS / WATER PRODUCTION

0

13639

0

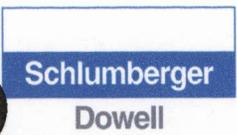
Customer WASATCH OIL & GAS CORPORATION						Job Number 20216080			
Well HUNT RANCH 3-4		Location (legal) SEC 3, T12S, R15E		Dowell Location Vernal, UT		Job Start 5/6/01			
Field NINE MILE		Formation Name/Type Surface		Deviation 1 °	Bit Size 11 in	Well MD 505 ft	Well TVD 505 ft		
County CARBON		State/Province UTAH		BHP 0 psi	BHST 85 F	BHCT 65 F	Pore Press. Gradient 0 psi/ft		
Rig Name		Drilled For Gas	Service Via Land		Casing/Liner				
Offshore Zone		Well Class New	Well Type Exploration		Depth, ft 505	Size, in 8.63	Weight, lb/ft 24	Grade K55	Thread 8RD
Drilling Fluid Type Bentonite		Max. Density 10 lb/gal	Plastic Viscosity 14 cp		Tubing/Drill Pipe				
Service Line Cementing		Job Type Cem Surface Casing		Depth, 0	Size, in 0	Weight, lb/ft 0	Grade 0	Thread 0	
Max. Allowed Tubing Pressure 1000 psi	Max. Allowed Ann. Pressure 0 psi	WellHead Connection Single cement head		Perforations/Open Hole					
Service Instructions Cement into place 505' of 8 5/8" casing with 360 sk Class G, + 2% CaCl + 0.25 #/sk Celoflake (Yield 1.15 Mix H2O 4.97 gal/sk Density 15.8 ppg), displace with water to float. Bump plug at 17:30 hr		Top, ft 0	Bottom, ft 0	spf 0	No. of Shots 0	Total Interval 0 ft		Diameter 0 in	
		Treat Down Casing	Displacement 29 bbl	Packer Type None		Packer Depth 0 ft		Open Hole Vol 0 bbl	
		Tubing Vol. 0 bbl	Casing Vol. 30 bbl	Annular Vol. 0 bbl					
Casing/Tubing Secured <input checked="" type="checkbox"/>		1 Hole Volume Circulated prior to Cementing		Casing Tools			Squeeze Job		
Lift Pressure: 220 psi		Pipe Rotated		Pipe Reciprocated		Shoe Type: Guide	Squeeze Type		
No. Centralizers: 0		Top Plugs: 1	Bottom Plugs: 0		Shoe Depth: 505 ft	Tool Type:			
Cement Head Type: Single		Job Scheduled For: 5/6/01 11:30		Arrived on Location: 5/6/01 18:30		Stage Tool Type	Tool Depth: 0 ft		
						Stage Tool Depth: 0 ft	Tail Pipe Size: 0 in		
						Collar Type: Float	Tail Pipe Depth: 0 ft		
						Collar Depth: 465 ft	Sqz Total Vol: 0 bbl		

Time	CumVol	Density	Elapsed Time	Pressure	TotFlowrate				Message
16:41	0	0	0	0	0	0	0	0	START ACQUISITION
16:41	0.	0.	0.	-3640	0.	0	0	0	
16:42	0.	0.	0.	-3640	0.	0	0	0	Hold Safety meeting
16:42	0.	0.	0.	-3640	0.	0	0	0	Pressure Test Lines
16:42	0.	8.38	1.01	0.	0.	0	0	0	
16:43	0.044	8.38	2.01	9.16	0.	0	0	0	
16:44	0.19	8.38	3.02	3379	0.	0	0	0	
16:45	0.19	8.38	3.02	3379	0.	0	0	0	Start Pumping Spacer total spacer 7 bbl
16:45	0.19	8.38	4.02	-9.16	0.	0	0	0	
16:46	1.75	8.27	5.03	-22.89	2.29	0	0	0	
16:47	5.3	8.3	6.04	-27.47	3.97	0	0	0	
16:48	9.29	8.3	7.05	-45.79	3.97	0	0	0	
16:49	9.29	8.3	7.05	-45.79	3.97	0	0	0	[CumVol]=10.69 bbl
16:49	9.29	8.3	7.05	-45.79	3.97	0	0	0	Reset Volume
16:49	9.29	8.3	7.05	-45.79	3.97	0	0	0	Start Cement Slurry
16:49	2.53	13.77	8.05	-41.21	3.97	0	0	0	
16:50	6.53	16.22	9.06	77.84	3.97	0	0	0	
16:51	10.53	14.56	10.06	59.52	3.97	0	0	0	
16:52	14.53	15.57	11.07	77.84	3.97	0	0	0	
16:53	18.53	14.99	12.08	73.26	3.97	0	0	0	
16:54	22.52	15.93	13.08	91.58	3.97	0	0	0	
16:55	22.52	15.93	13.08	91.58	3.97	0	0	0	Check density 15.8 ppg

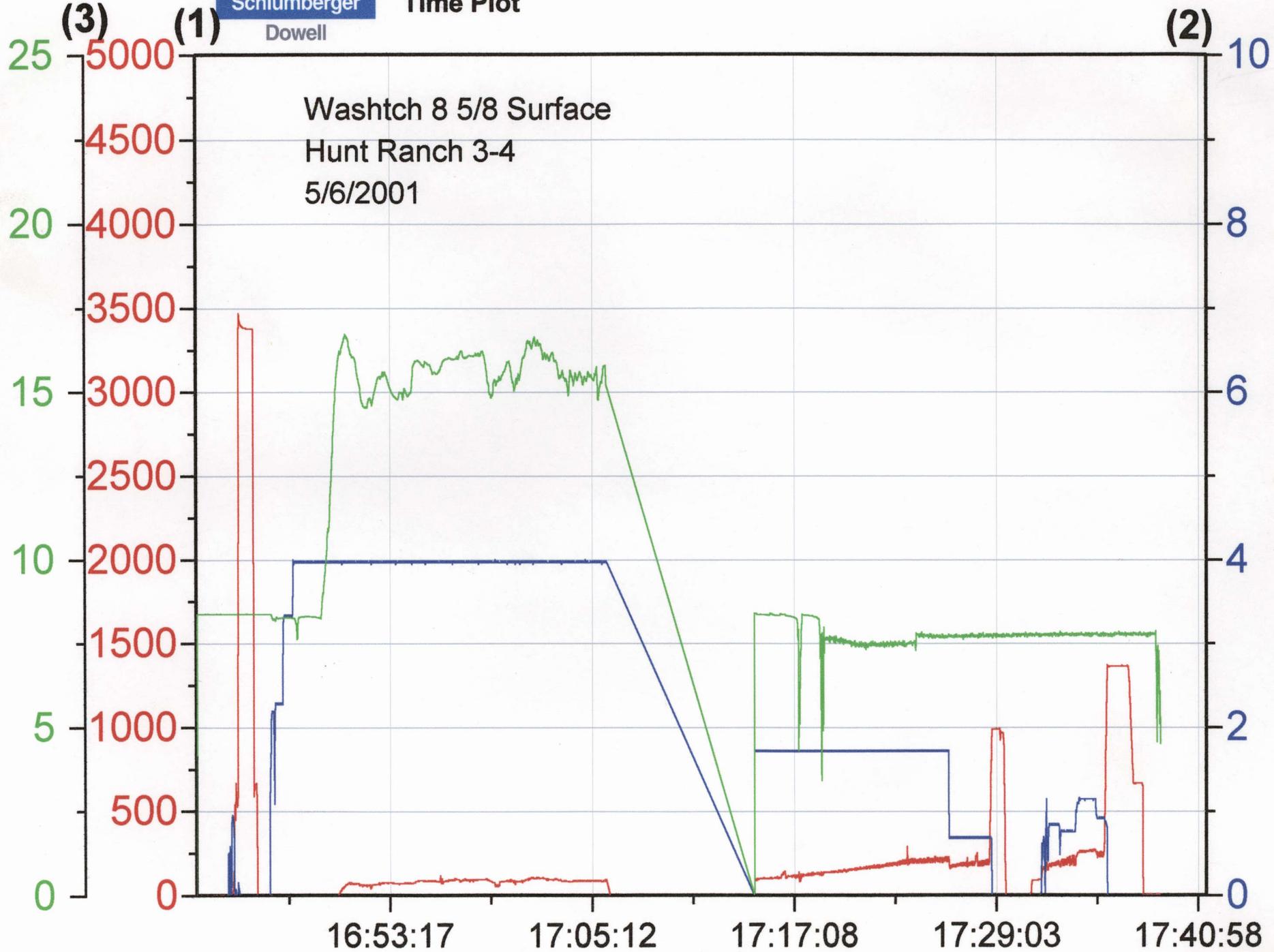
Well	Field	Service Date	Customer	Job Number				
HUNT RANCH #3-4	NINE MILE	5/4/01	HATCH OIL & GAS CORP	20216080				
Time	CumVol	Density	Elapsed Time	Pressure	TotFlowrate	Message		
24 hr clock	bbl	ppg	min	psi	bpm			
16:55	26.53	15.58	14.09	87	3.99	0	0	
16:56	30.52	15.97	15.1	91.58	3.95	0	0	
16:57	34.52	16.09	16.11	96.15	3.97	0	0	
16:59	38.52	15.66	17.11	100.7	3.99	0	0	
17:00	42.52	15.59	18.12	87	3.99	0	0	
17:01	46.52	15.57	19.13	87	3.97	0	0	
17:02	50.52	16.56	20.13	109.9	3.97	0	0	
17:03	54.51	15.93	21.14	96.15	3.97	0	0	
17:04	58.51	15.45	22.15	87	3.99	0	0	
17:05	62.51	15.56	23.15	91.58	3.97	0	0	
17:07	0.	0.	0.	-3640	0.	0	0	
17:14	0.	0.	0.	-3640	0.	0	0	Shut Down Drop Plug
17:14	0.029	8.41	0.017	91.58	1.71	0	0	Start Displacement
17:15	1.76	8.39	1.02	100.7	1.73	0	0	
17:16	3.5	8.32	2.03	114.5	1.73	0	0	
17:17	5.23	8.35	3.04	128.2	1.73	0	0	
17:18	6.96	7.55	4.04	137.4	1.71	0	0	
17:19	8.7	7.5	5.05	146.5	1.73	0	0	
17:20	10.44	7.5	6.06	160.3	1.71	0	0	
17:21	12.17	7.47	7.06	174.	1.73	0	0	
17:22	13.9	7.49	8.07	178.6	1.73	0	0	
17:23	15.64	7.52	9.08	201.5	1.71	0	0	
17:24	17.37	7.71	10.08	196.9	1.73	0	0	
17:25	19.11	7.74	11.09	196.9	1.73	0	0	3 bbl cement to surface
17:26	20.18	7.73	12.1	178.6	0.7	0	0	
17:27	20.87	7.7	13.1	247.3	0.7	0	0	
17:28	21.47	7.75	14.11	989.	0.	0	0	
17:29	21.47	7.75	14.11	989.	0.	0	0	Check Float
17:29	21.47	7.72	15.12	-4.58	0.	0	0	Float did not hold shut head in 500 psi
17:30	21.47	7.72	15.12	-4.58	0.	0	0	Bump Plug @ 17:30
17:30	21.47	7.78	16.12	0.	0.	0	0	
17:31	21.59	7.74	17.13	141.9	0.039	0	0	
17:32	22.38	7.77	18.14	192.3	0.778	0	0	
17:33	23.22	7.76	19.14	261.	1.17	0	0	
17:34	24.36	7.78	20.15	261.	0.953	0	0	
17:35	24.95	7.77	21.16	1364	0.	0	0	
17:36	24.95	7.75	22.16	1122	0.	0	0	
17:37	24.95	7.8	23.17	9.16	0.	0	0	End Job

Post Job Summary

Average Pump Rates, bpm				Volume of Fluid Injected, bbl			
Slurry	N2	Mud	Maximum Rate	Total Slurry	Mud	Spacer	N2
2	0	0	4	74	0	7	0
Treating Pressure Summary, psi				Breakdown Fluid			
Maximum	Final	Average	Bump Plug to	Breakdown	Type	Volume	Density
220	500	200	1000	0		0 bbl	15.8 lb/gal
Avg. N2 Percent	Designed Slurry Volume	Displacement	Mix Water Temp	<input checked="" type="checkbox"/> Cement Circulated to Surface?		Volume	
0 %	74 bbl	29 bbl	62 F	<input type="checkbox"/> Washed Thru Perfs		To	0 ft
Customer or Authorized Representative			Dowell Supervisor		CirculationLost		
Erick Noblitt			Jake Foreman		<input checked="" type="checkbox"/> Job Completed		



PRISM*
Time Plot



For: Dennis Ingraham
State of Utah

5. If **NO**, the operator was contacted on: N/A

6. (R649-9-2) Waste Management Plan has been received on: N/A

7. **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: N/A

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **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:

1. Changes entered in the **Oil and Gas Database** on: 05/21/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 05/21/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB0003816

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number:

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A

The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (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: N/A

COMMENTS:

6. (R649-9-2)Waste Management Plan has been received on: 05/21/2002

7. **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: N/A

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 05/24/2002

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **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:

1. Changes entered in the **Oil and Gas Database** on: 05/28/2002

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 05/28/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: LPM4138146

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A

The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (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: N/A

COMMENTS:



April 24, 2002

Mr. Jim Thompson
State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

Re: Transfer Title to Wasatch Oil & Gas, L.L.C.

Dear Mr. Thompson:

Enclosed please find an Assignment and Bill of Sale from Wasatch Oil & Gas Corporation to Wasatch Oil & Gas, L.L.C, effective July 1, 2000.

Please do not hesitate to contact me at (435) 647-9712 regarding this transfer.

Sincerely,

A handwritten signature in black ink, appearing to read "R. Heggie Wilson", with a long horizontal flourish extending to the right.

R. Heggie Wilson
Agent

RECEIVED

APR 25 2002

DIVISION OF
OIL, GAS AND MINING

ASSIGNMENT AND BILL OF SALE

FOR AND CONSIDERATION OF Ten and No/100 Dollars (\$10.00) and other good and valuable considerations, in hand paid to Wasatch Oil & Gas Corporation, ("ASSIGNOR"), by WASATCH OIL & GAS LLC, P.O. Box 699, Farmington, Utah, 84025-0699, ("ASSIGNEE") the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign and transfer unto Assignee all of the Assignor's right, title and interest in and to the following properties situated in Duchesne and Carbon Counties, Utah (hereinafter called the "Interest"):

- (a) The oil, gas and other mineral leasehold interests described in Exhibit "A" attached hereto and made a part hereof, insofar as such cover and affect the lands described in Exhibit "A", (hereinafter called the "Leases") together with Assignor's interest in any pooled, communitized, or unitized acreage derived by virtue of Assignor's ownership of the leases;
- (b) The wells described on Exhibit "A", equipment and facilities located on the Leases and used in the operation of the Leases, including, but not limited to pumps, well equipment (surface and subsurface), saltwater disposal wells, water wells, lines and facilities, compressors, compressor stations, dehydration facilities, treating facilities, pipeline gathering lines, flow lines, transportation lines (including long lines and laterals), valves, meters, separators, tanks, tank batteries and other fixtures but expressly excluding tools, vehicles, or other rolling stock, communication equipment, leased equipment, computer and software;
- (c) Oil, condensate, natural gas, and natural gas liquids produced after the Effective Date of this Assignment and Bill of Sale, including "line fill" attributable to the Interest;
- (d) To the extent transferable, all contracts and agreements concerning the Interest, including, but not limited to, unit agreements, pooling agreements, areas of mutual interest, farmout agreements, farmin agreements, saltwater disposal agreements, water injection agreements, road use agreements, operating agreements, gas transportation and processing agreements, and gas balancing agreements (excluding any spot sales contracts, storage or warehouse agreements, supplier contracts, insurance contracts, and construction agreements);
- (e) To the extent transferable, all surface use agreements, right-of-way, licenses, authorizations, permits, and similar rights and interests applicable to, or used or useful in connection with, any or all of the Interest;
- (f) To the extent transferable, all files and records of Assignor relating to the Interests including land, well, lease, geological, geophysical and accounting files and records;
- (g) All rights of Assignor to reassignments of interests in the Leases.

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APR 25 2002

DIVISION OF
OIL, GAS AND MINING

Assignor and Assignee, in consideration of the mutual benefits to be derived hereunder and, by their acceptance hereof, signify their understanding and agreement to the following terms and conditions:

1. Assignee hereby agrees that it has inspected the Lease(s), well(s), personal property and equipment assigned and conveyed herein and that it accepts the same in its present

condition. Assignee agrees to assume all responsibility for said well(s), the casing, leasehold equipment, plugging requirements or exceptions thereto, including bonding requirements, in and on said well(s), and all other personal property used on or in connection therewith, from and after the Effective Date of this Assignment and Bill of Sale. Assignee agrees to protect, defend, indemnify and hold Assignor and its employees free and harmless from and against any and all costs, expenses, claims, demands and causes of action of every kind and character arising out of, incident to, or in connection with Assignee's ownership of the above described lease(s), lands, well(s), casing, leasehold equipment and other personal property, or Assignee's or other parties' operations on said lease(s) and said lands, from and after the Effective Date of this Assignment and Bill of Sale.

2. All claims, liabilities and causes of action, including those of an environmental nature, of whatever source or cause which arise out of Assignor's ownership of the Interest prior to the Effective Date, regardless of when actually instituted, shall be borne by Assignor by Assignor, and Assignor agrees to save, protect, indemnify and hold harmless for any liability associated with its ownership thereof. All claims, liabilities and causes of action of whatever source or cause which arise out of ownership of the Interest after the Effective Date, shall be borne by, and Assignee agrees to save, protect, indemnify and hold Assignor harmless therefrom.
3. Assignee hereby assumes all obligations and duties imposed upon Assignor pursuant to the terms of the lease(s), contracts, agreements, licenses, easements and right-of-ways to which Assignor's interest is subject, but only insofar as they pertain to the interest hereby assigned and transferred.

TO HAVE AND TO HOLD the Interest unto the Assignee and its successors and assigns forever.

Executed this 27th day of October, but effective July 1, 2000.

ASSIGNOR
Wasatch Oil & Gas Corporation

By: Todd Cusick
Todd Cusick, President

ASSIGNEE
Wasatch Oil & Gas LLC

By: Todd Cusick
Todd Cusick, President

ACKNOWLEDGEMENT

STATE OF UTAH }
 }
COUNTY OF DAVIS }

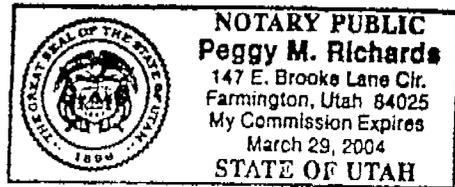
The foregoing instrument as acknowledged before me on this 27th day of October, 2000, by Todd Cusick as President of Wasatch Oil & Gas Corporation. on behalf of said Corporation.

WITNESS my hand and official seal.

My Commission Expires:

3/29/04

Peggy M. Richards
Notary Public



STATE OF UTAH }
 }
COUNTY OF DAVIS }

The foregoing instrument as acknowledged before me on this 27th day of October, 1999, by Todd Cusick as President of Wasatch Oil & Gas LLC on behalf of said Company. 2000

WITNESS my hand and official seal.

My Commission Expires:

3/29/04

Peggy M. Richards
Notary Public

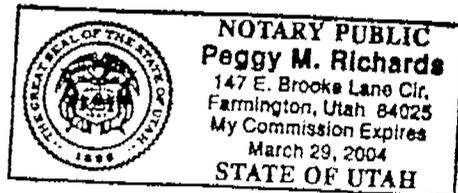


EXHIBIT "A"
LEASES

<u>Serial Number</u>	<u>Description</u>	<u>County</u>
SL-069551	<u>Township 12 South, Range 16 East</u> Section 33: All Containing 640.00 Acres Lease Date: 11-1-50 (HBP)	Carbon
SL-071595	<u>Township 12 South, Range 16 East</u> Section 34: S/2 Section 35: Lots 1-4, E/2W/2 Containing 620.27 Acres Lease Date: 2-1-51 (HBU)	Carbon
U-0681	<u>Township 12 South, Range 16 East</u> Section 25: S/2 Section 26: Lots 6, 7, E/2SW/4, SE/4 Section 35: E/2 Section 36: S/2 <u>Township 13 South, Range 16 East</u> Section 1: All Containing 1598.62 Acres Lease Date: 7-1-51 (HBU)	Carbon
U-0683	<u>Township 13 South, Range 16 East</u> Section 13: All Section 23: E/2 Containing 960.0 Acres Lease Date: 3-1-51 (HBU)	Carbon
U-0684	<u>Township 13 South, Range 17 East</u> Section 5: All Section 9: W/2 Containing 639.32 Acres Lease Date: 7-1-51 (HBU)	Carbon
U-0685	<u>Township 13 South, Range 17 East</u> Section 7: All Section 17: N/2 Containing 943.42 Acres Lease Date: 7-1-51 (HBU)	Carbon
U-0719	<u>Township 13 South, Range 16 East</u> Section 12: All Section 14: E/2 Containing 960.00 Acres Lease Date: 3-1-51 (HBU)	Carbon
U-0725	<u>Township 13 South, Range 17 East</u> Section 8: All Section 18: Lots 1, 2, NE/4, E/2NW/4 Containing 951.79 Acres Lease Date: 3-1-51 (HBU)	Carbon

<u>Serial Number</u>	<u>Description</u>	<u>County</u>
U-0737	<u>Township 12 South, Range 17 East</u> Section 31: S/2 Containing 312.50 Acres Lease Date: 3-1-51 (HBU)	Carbon
U-0741	<u>Township 13 South, Range 16 East</u> Section 24: All Containing 640.00 Acres Lease Date: 3-1-51 (HBU)	Carbon
U-0744	<u>Township 13 South, Range 17 East</u> Section 4: W/2 Section 6: All Containing 480.51 Acres Lease Date: 3-1-51 (HBU)	Carbon
U-01519-B	<u>Township 12 South, Range 15 East</u> Section 9: NE/4, E/2NW/4, SW/4NW/4 Section 10: S/2 Section 11: S/2 Section 13: N/2 Section 14: NE/4 Containing 1400.00 Acres Lease Date: 6-1-51 (HBU)	Carbon
U-03333	<u>Township 12 South, Range 17 East</u> Section 30: SW/4 Section 31: N/2 Section 32: S/2 Containing 784.50 Acres Lease Date: 1-1-52 (HBU)	Carbon
U-04049	<u>Township 12 South, Range 16 East</u> Section 36: NW/4, W/2NE/4, SE/4NE/4 Containing 280 Acres Lease Date: 5-1-51 (HBU)	Carbon
U-04049-A	<u>Township 12 South, Range 16 East</u> Section 36: NE/4NE/4 Containing 40.00 Acres Lease Date: 5-1-51 (HBU)	Carbon
U-08107	<u>Township 12 South, Range 16 East</u> Section 27: S/2 Section 34: N/2 Containing 640.00 Acres Lease Date: 11-1-50 (HBU)	Carbon
U-013064	<u>Township 12 South, Range 15 East</u> Section 11: W/2NE/4, NW/4 Containing 240.00 Acres Lease Date: 8-1-54 (HBU)	Carbon

<u>Serial Number</u>	<u>Description</u>	<u>County</u>
U-0137844	<u>Township 12 South, Range 15 East</u> Section 27: N/2, SE/4 Containing 480.00 Acres Lease Date: 4-1-64 (HBU)	Carbon
U-11604	<u>Township 12 South, Range 15 East</u> Section 22: All Section 23: All Section 35: N/2, SE/4 Containing 1760.00 Acres Lease Date: 5-1-79 (HBP)	Carbon
U-15254	<u>Township 12 South, Range 14 East</u> Section 11: W/2, W/2E/2, SE/4NE/4, E/2SE/4 Containing 600.00 Acres Lease Date: 8-1-71 (HBP)	Carbon
U-73006	<u>Township 12 South, Range 15 East</u> Section 7: All Section 8: All Section 9: S/2, NW/4NW/4 Section 10: NW/4 Section 17: E/2 Containing 2054.68 Acres Lease Date: 4-1-94, Exp. 3-31-04	Carbon
ML-21020	<u>Township 11 South, Range 14 East</u> Section 36: Lots 1-4, N/2SE/4, NE/4, N/2NW/4, SE/4NW/4 Containing 520.76 Acres Lease Date: 1-1-64 (HBU)	Duchesne
Freed Investment Bk187/P345	<u>Township 11 South, Range 14 East</u> Section 35: S/2NW, SW/4NE/4, NW/4SW/4 Section 36: NW/4SW/4	Duchesne
BK 152/P396	<u>Township 12 South, Range 14 East</u> Section 13: NE/SW/4 Section 24: SE/4NE/4 <u>Township 12 South, Range 15 East</u> Section 19: Lot 2 Lease Date: 3-21-79 (HBU)	Carbon
UTU-78431	<u>Township 11 South, Range 14 East, SLM</u> Section 33: NW/4, N/2SW/4, SE/4SW/4 Containing 280.0 acres Lease Date: 7-1-99, Exp. 6-30-09	Duchesne
UTU-79004	<u>Township 11 South, Range 15 East, SLM</u> Section 3: SW/4 Containing 160.0 acres Lease Date: 8-1-00, Exp. 7-31-10	Carbon

<u>Serial Number</u>	<u>Description</u>	<u>County</u>
Hunt Oil Company BK M292/P757	<u>Township 11 South, Range 15 East, SLM</u> Section 31: Lot 3, E/2SW/4, S2/SE Section 32: S/2SE4, NESE, S/2SW Section 33: SW/4, S/2SE/4 Containing 635.48 acres Lease Date: 4-26-00, Exp.4-26-03 (2 year option to extend)	Duchesne
UTU-77513 (SEGO)	<u>Township 12 South, Range 14 East, SLM</u> Section 23: N/2 Section 24: SW/4NE/4, S/2NW/4, SW/4, NW/4SE/4 Containing 640.0 acres Lease Date: 10-1-98, Exp. 9-31-08	Carbon
ML-48381	<u>Township 11 South, Range 14 East, SLM</u> Section 33: SW/4SW/4 Containing 40.0 acres Lease Date: 1-26-00, Exp. 1-31-10	Duchesne
ML-48385	<u>Township 13 South, Range 15 East, SLM</u> Section 2: Lots 1-4, S/2S/2 (All) Containing 313.52 Lease Date: 1-26-00, Exp. 1-31-10	Carbon
UTU-73665 (SKS)	<u>Township 12 South, Range 14 East, SLM</u> Section 10: E/2 Section 12: NW/4SW/4, S/2S/2 Section 13: NW/4, NW/4SW/4, N/2SE/4 Section 14: N/2NE/4, SE/4NE/4, NE/4NW/4 Containing 960.0 acres Lease Date: 1-1-95, Exp. 12-31-04	Carbon
UTU-74386 (SKS)	<u>Township 12 South, Range 14 East, SLM</u> Section 10: W/2 Section 11: NE/4NE/4 Section 12: N/2, NE/4SW/4, N/2SE/4 Section 13: S/2S/2 Section 14: SW/4NE/4, W/2NW/4, SE/4NW/4, S/2 Section 15: N/2, N/2SW/4, SE/4 Containing 2,000.0 acres Lease Date: 7-1-95, Exp. 6-30-05	Carbon
UTU-77060 (SKS)	<u>Township 12 South, Range 14 East, SLM</u> Section 23: SE/4 Containing 160.0 Lease Date: 4-1-98, Exp. 3-31-08	Carbon
UTU-73668 (SKS)	<u>Township 12 South, Range 15 East, SLM</u> Section 17: W/2 Section 18: All Containing 899.77 Lease Date: 1-1-95, Exp. 12-31-04	Carbon

<u>Serial Number</u>	<u>Description</u>	<u>County</u>
UTU-73670 (SKS)	<u>Township 12 South, Range 15 East, SLM</u> Section 21: All Section 27: SW/4 Section 28: ALL Containing 1,440.0 Lease Date: 1-1-95, Exp. 12-31-04	Carbon
UTU-73671 (SKS)	<u>Township 12 South, Range 15 East, SLM</u> Section 33: All Section 34: All Section 35: SW/4 Containing 1,440.0 Lease Date: 1-1-95, Exp. 12-31-04	Carbon
UTU-73896 (SKS)	<u>Township 12 South, Range 15 East, SLM</u> Section 24: All Section 25: All Section 26: All Containing 1,920.0 Lease Date: 4-1-95, Exp. 3-31-05	Carbon
UTU-74388 (SKS)	<u>Township 12 South, Range 15 East, SLM</u> Section 13: S/2 Containing 320.0 Lease Date: 7-1-95, Exp. 6-30-05	Carbon
UTU- 65319 (Mission)	<u>Township 11 South, Range 15 East, SLM</u> Section 34: W/2 Containing 320.0 gross/ 160.0 net acres Lease Date: 5-1-89 In Suspension 3-1-99	Duchesne
UTU-65767 (Mission)	<u>Township 11 South, Range 14 East, SLM</u> Section 20: All Section 21: W/2 Section 28: W/2 Section 29: All Containing 1920.0 gross/ 960.0 net acres Lease Date: 8-1-89 In Suspension 3-1-99	Duchesne
UTU-65773 (Mission)	<u>Township 12 South, Range 15 East, SLM</u> Section 14: S/2 Section 15: W/2, SE/4 Containing 800.0 gross/ 400.0 net acres Lease Date: 8-1-89 In Suspension 3-1-99	Carbon
UTU-65776 (Mission)	<u>Township 12 South, Range 15 East, SLM</u> Section 29: NE/4 Section 30: E/2 Containing 480.0 gross/ 240.0 net acres Lease Date: 8-1-89 In Suspension 3-1-89	Carbon

<u>Serial Number</u>	<u>Description</u>	<u>County</u>
UTU-72054 (Mission)	<u>Township 12 South, Range 15 East, SLM</u> Section 29: W/2, SE/4 Section 30: Lots 1-4, E/W/2 Section 31: Lots 1, 2, NE/4, E/2NW/4 Containing 1048.66 gross/ net acres Lease Date: 7-1-93, Exp. 6-30-03	Carbon
UTU-77059 (Mission)	<u>Township 12 South, Range 14 East, SLM</u> Section 17: All Section 20: N/2NE/4, SE/NE/4, NW/4 Section 25: N/2, SE/4 Containing 1400.0 gross/ net acres Lease Date: 4-1-98, Exp. 3-31-00	Carbon
ML-46708 (Mission)	<u>Township 12 South, Range 15 East, SLM</u> Section 16: All Containing 640.0 gross/ net acres Lease Date: 11-1-94, Exp. 10-31-04	Carbon
ML-46710 (Mission)	<u>Township 12 South, Range 15 East, SLM</u> Section 36: All Containing 640.0 gross/ net acres Lease Date: 11-1-94, Exp. 10-31-04	Carbon
ML-43798 (Mission)	<u>Township 12 South, Range 16 East, SLM</u> Section 32: S/2NE/4 Containing 80.0 gross/ net acres Lease Date: 4-1-88, (HBU Jack Canyon)	Carbon
ML-43541-A (Mission)	<u>Township 12 South, Range 16 East, SLM</u> Section 32: SW/4, E/2SE/4, SW/4SE/4, NW/4 N/2NE/4 Containing 520 acres Lease Date: 10-1-87, (HBU Jack Canyon)	Carbon
ML-43541	<u>Township 12 South, Range 16 East, SLM</u> Section 32: NW/4SE/4 Operating Rights Blow 3,398 Containing 40.0 gross/ net acres Lease Date: 10-1-87, (HBU Jack Canyon)	Carbon
UTU-65486 (Mission)	<u>Township 12 South, Range 16 East, SLM</u> Section 18: SE/4 Section 19: All Section 20: All Section 21: N/2, NW/4SW/4, SE/4 Containing 1,995.22 gross/ net acres Lease Date: 1-1-00, (HBU) In Suspension 3-1-99	Carbon
UTU-62890 (Mission)	<u>Township 12 South, Range 16 East, SLM</u> Section 15: SW/4 Containing 160.0 gross/ net acres Lease Date: 2-1-88, (HBU Jack Canyon Unit)	Carbon

<u>Serial Number</u>	<u>Description</u>	<u>County</u>
UTU-60470 (Mission)	<u>Township 12 South, Range 16 East, SLM</u> Section 31: Lots 3, 4, SE/4, E/2SW/4 Containing 318.18 gross/ net acres Lease Date: 4-1-88, (HBU Jack Canyon)	Carbon
UTU-69463 (Mission)	<u>Township 12 South, Range 16 East, SLM</u> Section 30: Lots 3, 4, E/2SW/4 Containing 157.96 gross/ net acres Lease Date: 4-1-92, (HBU Jack Canyon)	Carbon
UTU-66801 (Mission)	<u>Township 12 South, Range 16 East, SLM</u> Section 17: SW/4SW/4 Section 18: Lots 3, 4, E/2SW/4 Section 21: NE/4SW/4, S/2SW/4 Containing 317.64 gross/ net acres Lease Date 5-1-90, (HBU Jack Canyon)	Carbon
UTU-62645 (Mission-Burris)	<u>Township 12 South, Range 17 East, SLM</u> Section 3: Lots 1-3, SE, E/2SW/4 Section 10: E/2, E/2W/2 Section 11: All Section 15: W/2E/2, W/2 Section 17: S/S/2 Section 18: Lot 4, SE/4SW/4, S/2SE/4 Section 22: N/2N/2 Containing 2,433.37 gross/ net acres Lease Date: 12-1-87 Suspension Requested 5-26-00	Carbon
UTU-65783 (Mission-Burris)	<u>Township 12 South, Range 17 East, SLM</u> Section 20: N/2, N/2SW/4, SE/4 Section 21: N/2SE/4 Section 22: S/2NW/4, NW/4SW/4 Containing 760 gross/ 380 net acres Lease Date: 8-1-89 In Suspension	Carbon
UTU-65782 (Mission-Burris)	<u>Township 12 South, Range 17 East, SLM</u> Section 3: Lot 4, W/2SW/4 Section 4: Lots 1, 2, SE/4 Section 8: E/2, E/2W/2 Section 9: N/2 Section 10: W/2W/2 Containing 1,317.72 gross/ 658.86 net acres Lease Date: 8-1-89 In Suspension	Carbon

WELLS

<u>Wells</u>	<u>Legal Description</u> <u>Located in Carbon County, Utah:</u>
1. Stone Cabin #1-11	Township 12 South, Range 14 East, Section 11: SW/4SE/4
2. Government Pickrell	Township 12 South, Range 15 East, Section 11: SE/4NW/4
3. Stone Cabin Unit #1	Township 12 South, Range 14 East, Section 13: SW/4NE/4
4. Stobin Federal #21-22	Township 12 South, Range 15 East, Section 22: NE/4NW/4
5. Stone Cabin #2-B-27	Township 12 South, Range 15 East, Section 27: SE/4NW/4
6. Claybank Springs #33-1A	Township 12 South, Range 15 East, Section 33: SW/4NW/4
7. Jack Canyon #101A	Township 12 South, Range 16 East, Section 33: SW/4SE/4
8. Peters Point #2	Township 12 South, Range 16 East, Section 36: NE/4SW/4
9. Peters Point #9	Township 13 South, Range 16 East, Section 1: SE/4NE/4
10. Peters Point #14-9	Township 13 South, Range 16 East, Section 14: NE/4SE/4
11. Peters Point #4	Township 13 South, Range 16 East, Section 24: NW/4NW/4
12. Peters Point #5-14	Township 13 South, Range 17 East, Section 5: SE/4SW/4
13. Peters Point #1	Township 13 South, Range 17 East, Section 6: SW/4SW/4
14. Peters Point #3	Township 13 South, Range 17 East, Section 8: SW/4SE/4
	<u>Located in Duchesne County, Utah:</u>
15. PTS #33-36 State	Township 11 South, Range 14 East, Section 36: NW/4SE/4

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 ML-47555
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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: Hunt Ranch 3-4	
2. NAME OF OPERATOR: Bill Barrett Corporation		9. API NUMBER: 43-007- 30775
3. ADDRESS OF OPERATOR: 1099 18th St # 2300 CITY Denver STATE CO ZIP 80202	PHONE NUMBER: 303 293-9100	10. FIELD AND POOL, OR WILDCAT: Nine Mile
4. LOCATION OF WELL FOOTAGES AT SURFACE: 781' FSL and 775' FEL, SE4SE4, Section 3		COUNTY: Carbon
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 3 12S 15E S		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 (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<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 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 checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

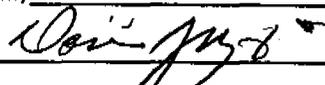
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that Bill Barrett Corporation has succeeded Wasatch Oil & Gas Corporation as Operator of the above described well effective April 1, 2002

Wasatch Oil & Gas Corporation



Todd Cusick, President April 30, 2002

NAME (PLEASE PRINT) <u>Dominic Bazile</u>	TITLE <u>Vice President of Operations</u>
SIGNATURE 	DATE <u>April 30, 2002</u>

(This space for State use only)

RECEIVED

MAY 06 2002

DIVISION OF
OIL, GAS AND MINING

BILL BARRETT CORPORATION

May 15, 2002

Mr. Jim Thompson
Utah Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114-5801

RE: Annual Waste Management Plan, Response Form, 2002 Report

Dear Jim,

Enclosed you will find *Call for Annual Waste Management Plans for Calendar Year 2002 – Response Form*.

Annual Waste Management Plan - 2002

Listed below are the facilities from which water will be hauled to the water disposal operation of RNI Disposal in Roosevelt. We anticipate disposing of all produced water with RNI from these facilities and any others. RNI is permitted and in good standing with the division.

Bill Barrett Corporation estimates that approximately 3,000 barrels of water will be produced from these facilities during 2002. This number may vary depending on rework and new drilling activities.

Wells

Government Pickrell
Stone Cabin #2-B-27
Peters Point #3A
Hunt Ranch #3-4

Legal Description

Located in Carbon County, Utah:

T12S, R15E, Section 11: SE/4NW/4
T12S, R15E, Section 27: SE/4NW/4
T13S, R17E, Section 8: SW/SE/4
T12S, R15E, Section 3: SE/4SE/4

Compressor Stations

Main Compressor
Airport Compressor

T11S, R15E, Section 23
T12S, R16E, Section 27

Please contact the undersigned if you have any questions.

Sincerely,



Dominic J. Bazile, II
Vice President, Operations
Enclosure

RECEIVED

MAY 21 2002

**DIVISION OF
OIL, GAS AND MINING**



May 23, 2002

Mr. Jim Thompson
State of Utah
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-5801

RECEIVED

MAY 24 2002

DIVISION OF
OIL, GAS AND MINING

Re: Transfer Title to Wasatch Oil & Gas, LLC.

Dear Mr. Thompson:

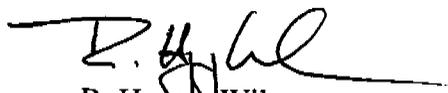
Pursuant to my April 24, 2002 letter and our recent conversation regarding the wells formally owned by Wasatch Oil & Gas LLC, please allow this letter to clarify that all the interest in the wells and well permits located in Carbon and Duchesne Counties previously owned by either Wasatch Oil & Gas Corporation or Wasatch Oil & Gas, LLC have been transferred to Bill Barrett Corporation effective April 1, 2002.

Effective July 1, 2000, Wasatch Oil & Gas Corporation attempted to transfer all their leasehold interest in State, Federal and Fee lands to Wasatch Oil & Gas, LLC. However, there was some apparent oversight in transferring the wells and units at the same time. Recently we made these transfers close to the same time Bill Barrett Corporation acquired the referenced wells.

Regardless of whether or not Wasatch Corp. or Wasatch LLC was shown as the operator of the wells on April 1, 2002, it is the intent that Bill Barrett Corporation is being transferred ownership.

Please do not hesitate to contact me if you have any further questions regarding this matter.

Sincerely,


R. Hegg Wilson

Call for Annual Waste Management Plans for Calendar Year 2002 – Response Form

In accordance with Rule R649-9-2.4 of the Utah Oil and Gas Conservation General Rules, the Utah Division of Oil, Gas and Mining requests that all oil and gas operators, who are active in Utah, inform the Division of their waste management plans for their Utah operations by returning this Response Form and, if a waste stream is anticipated during calendar year 2002, attaching an Annual Waste Management Plan.

Operator Name: Bill Barrett Corporation
Name and Title of Company Representative: Dominic J. Bazile II, Vice President, Operations
Date: May 15, 2002 Phone Number: 303 -293-9100

Three waste stream outcomes are defined below. Please select the one that fits your operational circumstances by placing an "X" on the underlined spaces in front of the selection:

1. No Exploration and Production (E&P) wastes of any kind are anticipated and an amended Waste Management Plan will be filed when and if E&P wastes are generated.
2. An E&P waste stream is probable but it is unlikely to include any produced water. We will file an amended Waste Management Plan when and if our operations generate any produced water. Attached please find our Annual Waste Management Plan (providing the information specified in Rule R649-9-2.4).
3. X Our E&P waste stream is likely to include produced water. We will probably dispose of our produced water in the approximate percentage(s) specified, using the disposition strategy(ies) selected, below:

 100 % by Permitted Class II Water Disposal well(s).
 % by Permitted Class II Injection well(s) in a waterflood project.
 % by Permitted Commercial Evaporative Pit(s).
 % by Permitted Private, Non-commercial Evaporative Pit(s).
 % by Onsite (Surface) Pit(s).
 % by operations utilizing produced water for drilling, completion and workover activities.
 % by Permitted UPDES surface discharge
 % by Out of State Transfer to (specify in Annual Waste Management Plan).
 % by Other Means (specify in Annual Waste Management Plan).
 100 % Total

and have attached the Annual Waste Management Plan to provide the information specified in Rule R649-9-2.4.

6. (R649-9-2)Waste Management Plan has been received on: 05/21/2002

7. **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: N/A

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 05/24/2002

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **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:

1. Changes entered in the Oil and Gas Database on: 05/28/2002

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 05/28/2002

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: LPM4138146

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: N/A

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A

The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (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: N/A

COMMENTS:

WASATCH OIL & GAS

HUNT RANCH #3-4

**781' FSL & 775' FEL
SECTION 3, T12S-R15E
CARBON COUNTY, UTAH**

GEOLOGY REPORT

by

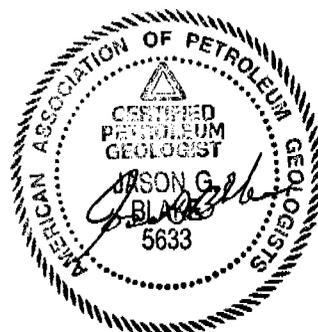
JASON G. BLAKE

CERTIFIED PETROLEUM GEOLOGIST #5633

TITAN ENERGY RESOURCES

PARK CITY, UTAH

(435) 658-3423



WELL SUMMARY

OPERATOR: WASATCH OIL & GAS

NAME: HUNT RANCH #3-4

LOCATION: 781 FSL & 775 FEL, SECTION 3, T12S-R15E

COUNTY/STATE: CARBON COUNTY, UTAH

ELEVATION: GR 5626', KB 5638'

SPUD DATE: 11:00 AM, 5/2/01

COMPLETION DATE: 6:30 AM, 5/19/01

DRILLING ENGINEER: ERIC NOBLITT, DON DONAHUE

WELLSITE GEOLOGY: JASON BLAKE

MUD LOGGING: TOTAL GAS ANALYSIS UTILIZING PAL (Portable Automated
Logger) FROM PASON USA; LOGGER-J. BLAKE

CONTRACTOR: SAUERS DRILLING, RIG #30

HOLE SIZE: 17 ½", SURF TO 188'; 12 ¼", 188' TO 515'; 7 7/8", 515' TO 4932'

CASING RECORD: 13 3/8" to 159' KB; 8 5/8" to 500', 4 ½" to 4932'

DRILLING MUD: NEWPARK DRILLING FLUIDS
ENGINEER: CHRIS GALLAGER
MUD TYPE: LOW SOLIDS, NON-DISPERSED

ELECTRIC LOGS: SCHLUMBERGER, Array Induction, Density/Neutron, Sonic, CMR
with Natural Gamma Ray and sidewall cores

SAMPLES 30': 515'-1700'; 20': 1700'-3500'; 10': 3500'-TOTAL DEPTH

TOTAL DEPTH: 4932' REACHED @ 6:30 AM, 5/19/01

DRILLING CHRONOLOGY

WASATCH OIL & GAS HUNT RANCH #3-4

DATE	DEPTH	DAILY	ACTIVITY
5/6/01	515'	0'	Rigged up Titan Energy geologic consulting with total gas analysis. Preparing to run surface casing. Slight water flow in surface hole. Mix mud, pump sweep, short trip, check flow. TOH & run 505' 13 3/8" surface casing, landed at 515' KB, cement pipe. WOC
5/7/01	515'	4'	Cut off casing, install wellhead and nipple up & test BOP. TIH and drill cement, float & shoe. Work on pump. Begin drilling new hole at 4:15 PM. Drill 4 feet, Shut down to work on mud pump.
5/8/01	519'	317'	Resume drilling at 6:15 AM. Drill to 628' & TOH. Level rig. PU mud motor, NB #5 & test. TIH & resume drilling @ 5:30PM. Drlg 628'-836'.
5/9/01	836'	591'	Drlg 836'-1427'.
5/10/01	1427'	789'	Drlg 1427'-2216'
5/11/01	2216'	548'	Drlg 2216'-2764'
5/12/01	2764'	387'	Drlg 2764'-2999'. CO & TOH for NB #6. TIH and resume drilling @ 6:30 PM. Drlg 2999'-3151'.
5/13/01	3151'	590'	Drlg 3151'-3741'.
5/14/01	3741'	395'	Drlg 3741'-4136'.
5/15/01	4136'	198'	Drlg 4136'-4334. Pump pill & TOH. LD downhole motor and bit. PU NB #7 and TIH.
5/16/01	4334'	174'	TIH w NB #7, circ out gas. Resume drilling @ 5:00 AM. Drlg 4334-4508'
5/17/01	4508'	203'	Drlg 4508'-4711'.
5/18/01	4711'	186'	Drlg 4711'-4897'.
5/19/01	4897'	35'	Drlg 4897'-4932' TD. Total depth reached @ 6:30 AM. Circ bottoms up and pull 15 stand short trip. Circulate & condition hole for logs. Wait on Schlumberger. TOH for logs, kelly up and spot pill above gas zone at 3770' while tripping out.
5/20/01	4932'	0'	Rig up Schlumberger, run density neutron, array induction, CMR w natural gamma ray, sonic and sidewall cores.

DAILY ACTIVITY

OPERATOR: WASATCH OIL & GAS
WELL NAME: HUNT RANCH #3-4

DATE	DEPTH	DAILY	DATE	DEPTH	DAILY
5/6/01	515'	327'	5/20/01	4932'	35'
5/7/01	515'	0'			
5/8/01	519'	4'			
5/9/01	836'	317'			
5/10/01	1427'	591'			
5/11/01	2216'	789'			
5/12/01	2764'	548'			
5/13/01	3151'	387'			
5/14/01	3741'	590'			
5/15/01	4136'	395'			
5/16/01	4334'	198'			
5/17/01	4508'	174'			
5/18/01	4711'	203'			
5/19/01	4897'	186'			

BIT RECORD

OPERATOR: WASATCH OIL & GAS
WELL NAME: HUNT RANCH #3-4

RUN	SIZE	MAKE	TYPE	SERIAL #	IN	FTG	HRS	FT/HR
#1	17 1/2"		RETIP	50012	0'	188'	6	31.33
#2	12 1/4"	HTC	GT-1	R85XM	188'	117'	24	4.87
#3	12 1/4"	STC	unknown	D3368	305'	210'	17.5	12.0
#4	7 7/8"	STC	DTJ-1	FA5653	515'	113'	10.5	10.76
#5	7 7/8"	Reed	HP51X	X83268	628'	2371'	84.5	28.06
#6	7 7/8"	Reed	HP53A	M96891	2999'	1335'	64.5	20.70
#7	7 7/8"	Reed	HP51H	R96953	4334'	598'	71.0	8.42

MUD REPORT

OPERATOR: WASATCH OIL & GAS
WELL NAME: HUNT RANCH #3-4

DATE	DEPTH	WT	VIS	FV	YLD	GEL	PH	WL	CK	CHL	CA	SD	SOL	WTR
5/7/01	515	8.7	42	7	12	8/10	10.5	10.0	1/32	2000	840	--	7.89	92
5/8/01	625	8.4	36	8	6	2/5	10.5	12.0	1/32	2000	480	--	1.88	98
5/9/01	1240	8.5	38	7	9	4/5	10.0	9.0	1/32	1500	480	--	9.92	90
5/10/01	1942	9.3	38	6	6	2/4	9.5	9.0	1/32	1800	480	--	11.91	88
5/11/01	2435	9.8	37	9	4	3/5	9.5	8.0	1/32	1800	32	--	11.91	88
5/12/01	2954	9.0	37	8	5	2/4	9.5	8.0	1/32	1800	480	--	7.90	92
5/13/01	3530	8.65	55	10	5	3/5	9.5	6.0	1/32	1800	480	--	5.90	94
5/14/01	3850	8.9	57	10	4	3/5	9.5	6.0	1/32	1800	480	--	7.9	92
5/15/01	4333	8.9	65	11	1	3/5	9.5	6.0	1/32	1800	480	--	7.9	92
5/16/01	4385	8.9	68	9	5	3/6	10.0	6.0	1/32	1800	400	--	8.0	92
5/17/01	4645	8.9	42	9	7	3/5	9.5	6.0	1/32	1800	400	--	8.0	92
5/18/01	4850	8.9	47	16	12	4/6	9.5	7.0	1/32	1800	400	--	8.0	92

FORMATION TOPS

OPERATOR: WASATCH OIL & GAS
WELL NAME: HUNT RANCH #3-4

FORMATION NAME	SAMPLES		E-LOG			STRUCTURAL COMPARISON - GOV. PICKRELL #1 (F 1122)
	MEASURED DEPTH	TRUE VERTICAL DEPTH	MEASURED DEPTH	TRUE VERTICAL DEPTH	DATUM	
Green River	Surface	—	Surface		5658'	
Green River Marker	est. 506'	Same	698'	698'	5132'	+22
Uteland Butte Limestone	1430'	1430'	1448'	1448'	4190'	+141
Upper Wasatch	1482'	1482'	1498'	1498'	4140'	+143
Middle Wasatch	2564'	2564'	2700'	2700'	2938'	+11
North Horn	3616'	3616'	3570'	3570'	2068'	+194

SAMPLE DESCRIPTIONS

OPERATOR: WASATCH OIL & GAS
WELL NAME: HUNT RANCH #3-4

DEPTH	LITHOLOGY
515.00 530.00	DOLO,tn-lt brn-lt gr,sl frm,mic xln,dens-sl chky/rthy tex ip,poss v sl foss ip,argil-sndy ip grd to DOLO SLTSTN
530.00 545.00	SLTSTN,brn-rd brn-occ lt grn,sl frm,sb blkyl,sl calc/dolo
545.00 560.00	scat SS,wht-clr,vfn-fn grn,wl srt,md wl rnd,calc cem,NFSOC
560.00 575.00	SLTSTN,rd brn,blkyl,md-sl frm,sl-non calc,sndy ip,scat mic pyr
575.00 585.00	SHL,lt gr-gr,striat,plty-flky,sft,bent,non-vsl calc
585.00 595.00	SS,wht-clr,fn grn,sb rnd-ang ip,wl srt,calc cem,scat blk bit btwn grns ip
595.00 605.00	LS,tn-lt brn,mic xln,dens,hd,sil,sl mic pyr
605.00 615.00	SHL,varicol,lt gr-brn-rd brn-grn ip,sb blkyl-plty,sl calc,sl bent ip
615.00 625.00	LS,tn-lt brn-lt gr,mic xln,dens-sl rthy tex ip,hd,sil,sl mic pyr,vsl foss ip
625.00 635.00	varicol SHL aa,lt gr-brn-rd brn-grn ip,sb blkyl-plty,sl calc,sl bent ip,slty ip grd to SLTSTN aa ip
635.00 645.00	SS,wht-clr,fn-vfn grn,sb ang-sb rnd,md-wl srt,cln,calc cem,NFSOC
645.00 660.00	LS,wht-lt gr-tn,sl-md frm,mic xln,dens,sl foss ip,slty/sndy tex ip,sl pyr ip,sil ip
660.00 675.00	SS,wht-clr,fn-fn grn,sb ang-sb rnd,md-wl srt,cln,calc & sl qtz ovrgth cem,NFSOC
675.00 695.00	SHL,varicol,tn-brn-gr,sb blkyl-plty,sl frm-md sft,calc/dolo,sl pyr,slty ip
695.00 710.00	LS,crm,md sft,vfn-mic xln,rthy/slty tex,foss,sl pyr
710.00 725.00	SHL,pred brn-tn,sb blkyl,md frm,calc,slty ip
725.00 740.00	SHL aa,brn-tn,sb blkyl,md frm,calc,slty ip
740.00 755.00	LS,tn-lt brn,sl hd-md sft ip,mic-crypt xln,pred dens,foss,sl sndy/slty ip,dolo ip w scat min fluor,no show
755.00 770.00	SS,wht-clr-S&P ip,fn-vfn grn,sl frm,ang-sb rnd ip,md srt,qtz & carb grns,calc,sl pyr ip,NFSOC
770.00 785.00	SHL,gr-brn-rd brn,sl frm,blkyl-plty,calc

DEPTH

LITHOLOGY

785.00 800.00 SS,wht-clr-S&P,fn-vfn grn,sb ang-sb rnd,mod srt,calc cem,NFSOC

800.00 815.00 SHL,pred gr-dk gr-occ brn,blky,md frm,slty ip,calc,mic pyr ip,occ thin bds of drty,pyr SS

815.00 830.00 SS,wht-clr,fn-vfn grn,sb ang-sb rnd,mod srt,calc & qtz ovrgrth cem,tt

830.00 845.00 scat LS,crm-tn,md-sl hd,mic-crypt xln,dens,sl foss (ostracods),no vis por,scat intrbd SS

845.00 860.00 SHL aa,gr-dk gr-occ brn,blky,md frm,slty ip,calc,mic pyr ip

860.00 875.00 SHL,pred m-dk gr,md frm,blky-sb plty,calc

875.00 890.00 LS,crm-tn-lt brn,sl frm-sl sft,mic-crypt xln,dens-sl chky tex ip,foss,dull min FLUOR,no cut

890.00 904.00 SHL,lt-md gr-dk gr,sb blky-sb plty,sl frm-md sft,calc,slty grd to SLTSTN,lt gr,sft,v calc w occ carb grns

904.00 920.00 SS,wht-lt gr,sl S&P ip,vfn grn,md rnd,md-wl srt,why cly fill,scat carb grn inclu,calc cem

920.00 950.00 pred SLTSTN,lt gr-md gr,blky,md-sl frm,v calc w intrbds of vfn grn,calc SS,com shl prtngs

950.00 965.00 LS,tn-lt brn-brn,md hd,mic-crypt xln,dens,dolo ip,sl argil,sl foss ip,barren ip

965.00 980.00 SHL,brn-gr,md-sl frm,blky-sb plty,calc

980.00 995.00 SS,wht-lt gr-clr,vfn-fn grn,sb ang-sb rnd,md wl srt,mic ip,calc cem,scat dk brn-blk STN,no FLUOR,sl strm CUT

995.00 1010.00 SS aa,wht-lt gr-clr,vfn-fn grn,sb ang-sb rnd,md wl srt,mic ip,calc cem,com dk brn-blk STN,no vis FLUOR,fr-gd strm CUT

1010.00 1040.00 SS aa,wht-lt gr-clr,vfn-fn grn,sb ang-sb rnd,md wl srt,mic ip,calc cem,com dk brn-blk STN,no vis FLUOR,fr-gd strm CUT

1040.00 1063.00 SS,wht-lt gr-clr,vfn-fn grn,sb ang-sb rnd,md wl srt,mic ip,calc cem,spty dk brn-blk STN,no vis FLUOR,sl-fr strm CUT

1065.00 1084.00 SHL,pred brn-scat grn & gr,sb blky-sb plty,md frm,mic ip,sl-non calc ip to calc

1100.00 1120.00 SS,wht-clr-lt gr-mott grn/gr ip,vfn grn,sb ang-sb rnd,md-wl srt,min carb incl ip,pyr ip,glauc ip,NFSOC

1120.00 1134.00 scat LS,tn-lt brn,md-sl hd,mic-crypt xln,pred dens,poss sl foss ip

1120.00 1140.00 SHL,varicol,pred rd brn-gr-occ lt gr grn,sb blky,md-sl frm-md sft ip,grny/slty tex ip,sl-non calc ip

1140.00 1160.00 varicol SHL aa,rd brn-gr-occ lt gr grn,sb blky,md-sl frm-md sft ip,grny/slty tex ip,sl-non calc ip

1160.00 1180.00 SHL aa,rd brn-gr-occ lt gr grn,sb blky,md-sl frm-md sft ip,grny/slty tex ip,sl-non calc ip,occ sl pyr

DEPTH	LITHOLOGY
1180.00 1203.00	SHL, pred rd brn-occ gr, sb blk, md-sl frm-md sft ip, grny/slty tex ip, sl-non calc ip, occ sl pyr
1203.00 1225.00	SHL aa, rd brn-occ gr, sb blk, md-sl frm-md sft ip, grny/slty tex ip, sl-non calc ip, occ sl pyr
1225.00 1239.00	scat SS, wht-lt gr, vfn grn, sl sft, sb ang-sb rnd, sl mic ip, calc cem, NFSOC
1240.00 1256.00	scat LS, crm-wht, sft, chky, vsl foss, no vis por, NFSOC
1255.00 1272.00	SS, wht-clr-lt gr ip, vfn-fn grn, ang-sb ang, mod wl srt, rr glauc & mic, calc cem, scat pyr, NFSOC
1272.00 1291.00	SHL, rd brn-gr, sb blk, md-sl frm, grny/slty tex ip, calc
1291.00 1310.00	SS, clr-wht-lt gr ip, bcm md-fn grn, ang-sb ang, md wl srt, abund unconsol grns, min glauc, scat pyr, scat wht chky calc cly, calc cem-poss sl qtz ovrgh cem, gd por, NFSOC
1310.00 1330.00	SS aa, clr-wht-lt gr ip, md-fn grn, sub ang-sb rnd, md wl srt, unconsol grns, min glauc, scat pyr, calc cem-poss sl qtz ovrgh cem, gd por, NFSOC
1330.00 1350.00	SS, clr-wht-lt gr, fn-occ md grn, sub ang-sb rnd, md wl srt, scat pyr, scat carb grns, calc cem-poss sl qtz ovrgh cem, NFSOC
1350.00 1370.00	SHL, pred brn-gr-gr grn, sl-md frm, sb blk, vsl mic ip, calc
1370.00 1385.00	SLTSTN, lt-md gr, md sft, blk, sl pyr ip, v calc grd to v argil LS ip, NFSOC
1385.00 1400.00	SLTSTN grd to v argil LS aa, lt-md gr, md sft, blk, sl pyr ip, v calc, NFSOC
1400.00 1415.00	SS, lt gr, vfn grn, sb ang-sb rnd, md wl srt, calc cem, carb grn inclus
1415.00 1430.00	LS, gr-tn-occ lt gr, md hd, mic-crypto xln, dens-sl slty tex ip, foss ip, sl pyr ip, argil ip, spty dull fluor, sl strm cut ip (poss contam?)
1430.00 1440.00	SS, wht-clr, fn grn, sb ang-sb rnd, wl srt, calc cem, NFSOC
1440.00 1460.00	LS, tn-brn, sl mott, md-sl hd, mic-fn xln, pred dens, v foss w abund ostrac, spty dull FLUOR, sl strm CUT
1460.00 1480.00	foss LS aa, tn-brn, sl mott, md-sl hd, mic-fn xln, pred dens, v foss w abund ostrac, spty dull FLUOR, sl strm CUT
1480.00 1500.00	SHL, lt gr-gr grn-brn, sl frm-sft, blk, sl calc, bent ip, mic pyr ip
1500.00 1515.00	SS, wht-lt gr-clr, fn grn, sb ang, wl srt, calc cem, NFSOC
1515.00 1530.00	SHL, lt gr-brn, sl frm, blk, sl calc,
1530.00 1550.00	SS, wht-clr-lt gr grn, fn-md grn, sb ang-sb rnd, md srt, sl glauc ip, pred qtz grns-scat carb & feld? grns, calc cem, NFSOC

DEPTH	LITHOLOGY
1550.00 1565.00	LS,dk gr,md hd,vfn-mic xln,dens,sl foss ip (ostrac),sndy and argil grd to v limey & argil SS,NFSOC
1565.00 1580.00	SHL,lt gr-gr-lt brn ip,md-sl frm,sb blk,calc
1580.00 1600.00	SHL aa,lt gr-gr-lt brn ip,md-sl frm,sb blk,calc
1600.00 1620.00	SS,tn-lt gr-gr,fn-occ md grn,sl frm-md sft,sb ang,md srt,cly filled,arkosic,mic ip,calc cem,NFSOC
1620.00 1640.00	SHL,brn-gr,md frm,sb blk,rthy/slty tex ip,sndy ip,non-sl calc
1640.00 1660.00	SHL aa,brn-gr,md frm,sb blk,rthy/slty tex ip,sndy ip,non-sl calc
1660.00 1680.00	SS,lt-md gr,md sft,sb ang-sb rnd,pr srt,arkosic,cly filled,mic,sl glauc,calc cem,NFSOC
1680.00 1700.00	SHL,brn-gr,md frm,sb blk,rthy/slty tex ip,sndy ip,sl mic ip,non-sl calc
1700.00 1720.00	SHL,brn-gr,md frm-sft ip,sb blk-sb plty ip,rthy/slty tex ip,mic ip,occ snd grn inclu,mod calc
1720.00 1740.00	scat SS,wht-clr,sl S&P to occ brn,md-fn grn,sb rnd,md srt,argil ip w brn cly infill,vsl glauc ip,calc cem,NFSOC
1740.00 1760.00	SHL,brn-gr,md frm-sft ip,sb blk-sb plty ip,rthy/slty tex ip,mic ip,occ snd grn inclu,mod calc
1760.00 1780.00	SHL aa,brn-gr,md frm-sft ip,sb blk-sb plty ip,rthy/slty tex ip,mic ip,occ snd grn inclu,mod calc
1780.00 1800.00	minor SS,wht-lt brn,md-fn grn,sb rnd-occ sb ang,md-pr srt,argil,mic ip,calc cem,NFSOC
1800.00 1820.00	SHL,brn-gr-occ grn,md frm-sft ip,sb blk-sb plty ip,rthy/slty tex ip,occ snd grn inclu,calc
1820.00 1840.00	SHL aa,brn-gr-occ grn,md frm-sft ip,sb blk-sb plty ip,rthy/slty tex ip,occ snd grn inclu,calc
1840.00 1860.00	SHL,brn-gr-occ grn,md frm-sft ip,sb blk-sb plty ip,rthy/slty tex ip,occ snd grn inclu,calc
1860.00 1880.00	SS,lt-md brn,fn grn-occ md grn,md rnd,md-pr srt,v argil,sl mic,sl glauc,cly filled grd to v sndy mudstn ip,calc
1880.00 1900.00	SHL,brn-gr-occ grn,md frm-sft ip,sb blk-sb plty ip,rthy/slty tex ip,occ snd grn inclu,calc
1900.00 1920.00	SS,clr-lt gr-lt tn,S&P,fn grn,md rnd-md wl sort,com dk lithic frag,com wht cly & calc fill,NFSOC
1920.00 1940.00	SS aa,clr-lt gr-lt tn,S&P,fn grn,md rnd-md wl sort,com dk lithic frag,bcm more argil w minor feld & mic incl,com wht cly & calc fill,NFSOC
1940.00 1960.00	SHL,varicol,gr-gr grn-brn-rd brn,pred sft-sl frm ip,blk,md-non calc,bent ip,minor micro-pyr
1960.00 1980.00	SS,clr-lt gr-lt tn,S&P,fn-occ md grn,md rnd-md wl sort,dk lithic frag,calc cem,wht cly fill por,NFSOC

DEPTH	LITHOLOGY
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1980.00 2000.00 SHL,rd brn-brn-grn-occ gr,sl frm-sft,muddy/slty/grny tex ip,mic ip,calc

2000.00 2020.00 SHL,brn-grn-occ gr,sl frm-md sft,blky,brn is rthy/slty tex, calc,grn is non-calc,bent w com micro pyr

2020.00 2040.00 SS,clr-lt gr-lt tn,S&P,fn-occ md grn,md rnd-md wl sort,lithic frag,calc cem,wht cly fill por,NFSOC

2040.00 2060.00 SS,clr-lt gr,bcm stn orng-rd ip,argil,fn-occ md grn,md rnd-md wl sort,com lithic frag,calc cem,rd cly fill por,NFSOC

2060.00 2080.00 SHL,brn-grn-gr,sl frm-md sft,blky,rthy/slty/grny tex ip,mic ip,micro pyr ip,calc

2080.00 2100.00 SHL aa,brn-grn-gr,sl frm-md sft,blky,rthy/slty/grny tex ip,mic ip,micro pyr ip,calc

2100.00 2120.00 SS,clr-lt gr-lt pnk,S&P ip,fn-md grn,md rnd-md wl sort,dk lithic frag,feld frags,sl mic ip,calc cem,wht/pnk cly fill por,NFSOC

2120.00 2140.00 SHL,brn-grn-gr,sl frm-md sft,blky,rthy/slty tex ip,mic ip,micro pyr ip,non-calc-sl calc

2140.00 2160.00 SHL aa,brn-grn-gr,sl frm-md sft,blky,rthy/slty tex ip,mic ip,micro pyr ip,non-calc-sl calc

2160.00 2180.00 SS,wht-clr,sl S&P,fn-occ md grn,sb ang-md wl rnd,md srt,scat dk lithic frags,sl glauc ip,minor calc cem,com wht cly fill in por,NFSOC

2180.00 2200.00 SS aa,wht-clr,sl S&P,fn-occ md grn,sb ang-md wl rnd,md srt,scat dk lithic frags,sl glauc ip,minor calc cem,com wht cly fill in por,NFSOC

2200.00 2220.00 SS aa,wht-clr,sl S&P,fn-occ md grn,sb ang-md wl rnd,md srt,scat dk lithic frags,sl glauc ip,minor calc cem,com wht cly fill in por,NFSOC

2220.00 2240.00 SHL,varicol,brn-rd brn-gr-grn,sl frm-sft,blky-sb plty,brn shl rthy/grny & sndy ip,mic,calc,grn shl sft,bent,mic pyr,non-calc

2240.00 2260.00 SHL aa,varicol,brn-rd brn-gr-grn,sl frm-sft,blky-sb plty,brn shl rthy/grny & sl incr snd grns,mic,calc, grn shl sft,bent,mic pyr,non-calc

2260.00 2280.00 varicol SHL aa,brn-rd brn-gr-grn,sl frm-sft,blky-sb plty,rthy/grny & sndy ip, mic,bent,mic,pyr,non-calc to calc

2280.00 2300.00 SHL,pred rd brn-brn-occ grn,sl frm,blky,rthy/grny tex,sndy/silty ip,sl mic,calc

2300.00 2320.00 SHL aa,pred rd brn-brn-occ grn,sl frm,blky,rthy/grny tex,sndy/silty ip,sl mic,calc

2320.00 2340.00 SS,wht-clr,sl S&P,fn-occ md grn,sb ang-md wl rnd,md srt,scat dk lithic frags,com unconsol grns,calc cem,NFSOC

2340.00 2360.00 SHL,pred rd brn-brn-occ grn,sl frm,blky,rthy/grny tex,sndy/silty ip,sl mic,calc

2360.00 2380.00 SHL aa,pred rd brn-brn-occ grn,sl frm,blky,rthy/grny tex,sndy/silty ip,sl mic,calc

DEPTH	LITHOLOGY
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2380.00 2400.00 scat SS,brn,vfn grn,sb ang-md wl rnd,v argil grd to sndy MDSTN ip,calc,NFSOC

2400.00 2420.00 SHL,varicol,rd-rd brn-brn-gr-grn,md-sl frm,blky-sb plty,rthy/grny tex ip,slty ip,md calc ip to non-calc,mic pyr ip,bent ip

2420.00 2440.00 varicol SHL aa,rd-rd brn-brn-gr-grn,md-sl frm,blky-sb plty,rthy/grny tex ip,slty ip,md calc ip to non-calc,mic pyr ip,bent ip

2440.00 2460.00 SS,md brn,sl frm-fri ip,fn-md grn,sb rnd-sb ang,md wl srt,com dk lithic frags,calc cem,rd cly fill por,NFSOC

2460.00 2480.00 SS,wht-lt gr-clr,S&P ip,md grn,sb ang,md wl srt,com dk grns,feld grns,scat grn min inclus,calc cem,NFSOC

2480.00 2500.00 SHL,rd brn-gr,md-sl frm,blky-sb plty,rthy/grny tex ip,slty ip,v calc,rr mic pyr

2500.00 2520.00 aa,rd brn-gr,md-sl frm,blky-sb plty,rthy/grny tex ip,slty ip,v calc,rr mic pyr

2520.00 2540.00 SS,wht-clr-lt orng ip,md-fn grn,sl frm-fri ip,sb ang-sb rnd,md wl srt,feld & dk lithic frags,calc cem & poss sl qtz ovrgrth cem,wht-pnk cly fill,com unconsol grns,NFSOC

2540.00 2560.00 SHL,rd brn-gr,md-sl frm,blky-sb plty,rthy/grny tex ip,slty ip,snd grn incl,mic,mod calc

2560.00 2580.00 SLTSTN,lt-md gr,md hd-hd,dens,sndy ip,dolo cem grd to v argil DOLO ip

2580.00 2600.00 SS,lt gr-wht-clr,md-fn grn,sl S&P,sb ang-sb rnd,mod srt,com dk gr lith frags,scat-com glauc,com wht cly infill,calc cem,NFSOC

2600.00 2620.00 SHL,gr-brn-occ wht,sl frm-md sft,sb blky-sb tab,sl calc,pyr ip

2620.00 2640.00 SS,lt gr-wht-clr,md grn,sb ang-sb rnd,mod srt,com dk gr lith frags,rr glauc,abund unconsol grns,calc cem,scat wht cly fill,NFSOC

2640.00 2660.00 SHL aa,gr-brn-occ wht,sl frm-md sft,sb blky-sb tab,sl calc,pyr ip

2660.00 2680.00 SS,lt gr-wht-clr,md grn,sb ang-sb rnd,mod srt,com dk gr lith frags,rr glauc,abund unconsol grns,calc cem,scat wht cly fill,NFSOC

2680.00 2700.00 SHL,gr-brn,sl frm-md sft,sb blky-sb tab,sl calc-non calc ip,sl mic ip,pyr ip

2700.00 2720.00 SHL,gr-brn,sl frm-md sft,sb blky-sb tab,sl calc-non calc ip,sl mic ip,pyr ip

2720.00 2740.00 SHL,gr-brn,sl frm-md sft,sb blky-sb tab,sl calc-non calc ip,sl mic ip

2740.00 2760.00 SHL,gr-brn,sl frm-md sft,sb blky-sb tab,rthy/slty tex ip,sl calc-non calc ip,sl mic ip,pyr ip

2760.00 2780.00 SHL aa,gr-brn,sl frm-md sft,sb blky-sb tab,sl calc-non calc ip,sl mic ip,pyr ip

2780.00 2800.00 SHL,gr-brn,sl frm-md sft,sb blky-sb tab,sl calc-non calc ip,sl mic ip,pyr ip

DEPTH	LITHOLOGY
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2800.00 2820.00 SHL,gr-brn-occ yel,sl frm-md sft,sb blk-y-sb tab,rthy/slty tex ip,sl calc-non calc ip,mic pyr ip

2820.00 2840.00 SS,lt gr-wht-clr,md-fn grn,sb ang-sb rnd,mod srt,scat glauc,com unconsol grns,calc cem,scat wht cly fill,NFSOC

2840.00 2860.00 SHL,bcm pred brn-decr gr,sl frm-md sft,sb blk-y-sb tab,com rthy/slty,sl calc,mic pyr ip

2860.00 2880.00 SHL aa,brn-gr,sl frm-md sft,sb blk-y-sb tab,com rthy/slty,sl calc,mic pyr ip

2880.00 2900.00 SHL,brn-gr-occ dk brn,sl frm-md sft,sb blk-y-sb tab,com rthy/slty,sl calc,mic pyr ip

2900.00 2920.00 aa,brn-gr-occ dk brn,sl frm-md sft,sb blk-y-sb tab,com rthy/slty,sl calc,mic pyr ip

2920.00 2940.00 SHL,brn-gr-occ dk brn,sl frm-md sft,sb blk-y-sb tab,com rthy/slty,sl calc,mic pyr ip

2940.00 2960.00 aa,brn-gr-occ dk brn,sl frm-md sft,sb blk-y-sb tab,com rthy/slty,sl calc,mic pyr ip

2960.00 2980.00 SS,lt gr-clr-occ wht,fn-md grn,sb ang-sb rnd,md srt,scat dk lithic frags,scat grn glauc,scat wht cly fill,abund unconsol grns,calc cem

2980.00 3000.00 SHL,brn-gr-occ dk brn-grn,sl frm-md sft,sb blk-y-sb tab,com rthy/slty,sl calc,mic pyr ip

3000.00 3020.00 SHL,rd brn-orng-gr,sl frm-sft,blk-y-sb plty,slty/rthy tex ip,sndy ip,sl mic pyr ip,calc

3020.00 3040.00 aa,rd brn-orng-gr,sl frm-sft,blk-y-sb plty,slty/rthy tex ip,sndy ip,sl mic pyr ip,calc

3040.00 3060.00 SHL,rd brn-orng-gr,sl frm-sft,blk-y-sb plty,slty/rthy tex ip,sndy ip,sl mic pyr ip,calc

3060.00 3080.00 SS,wht-clr,spott dk gr ip,fn-md grn,sb ang-sb rnd,md srt,sl glauc,dk lithic frags,calc cem,NFSOC

3080.00 3100.00 SHL,brn-gr-occ dk brn-grn,sl frm-md sft,sb blk-y-sb tab,com rthy/slty,sl calc,mic pyr ip

3100.00 3120.00 SHL,rd brn-brn-gr-grn,sl frm-sft,blk-y-sb plty,slty/rthy tex ip,sndy ip,sl mic pyr ip,calc

3120.00 3140.00 SHL,rd brn-orng-gr,sl frm-sft,blk-y-sb plty,slty/rthy tex ip,sl mic pyr ip,calc,sndy ip grd to v argil SS ip,vfn-fn grn

3140.00 3160.00 scat SS,wht-clr,fn-occ md gr,sb ang,pred unconsol grns,NFSOC

3160.00 3180.00 SHL,rd brn-gr-grn-yel,sl frm-sft,blk-y-sb plty,slty/rthy tex ip,sndy ip,sl mic pyr ip,calc

3180.00 3200.00 SHL,rd brn-brn-orng-grn,sl frm-sft,blk-y-sb plty,slty/rthy tex ip,sl mic pyr ip,calc

3200.00 3220.00 SHL,rd brn-orng-grn,sl frm-sft,blk-y-sb plty,slty/rthy tex ip,sl mic pyr ip,calc

3220.00 3240.00 SHL,pred rd-brn-brn-occ grn,sl frm-sft,blk-y-sb plty,slty/rthy tex ip,sl mic pyr ip,calc

3240.00 3260.00 SHL aa,pred rd-brn-brn-occ grn,sl frm-sft,blk-y-sb plty,slty/rthy tex ip,sl mic pyr ip,calc

DEPTH	LITHOLOGY
3260.00 3280.00	SHL,rd brn-orng-grn-off wht,sl frm-sft,blky-sb plty,slty/rthy tex ip,sl mic pyr ip,calc
3280.00 3300.00	SS,clr-wht-lt gr ip,fn-md grn,sb rnd-sb ang ip,md wl srt,abund unconsol grns,pred qtz,vsl glauc ip,vsl mic ip,calc cem,NFSOC
3300.00 3320.00	SS,clr-wht-lt gr,fn-md grn,sb rnd-sb ang ip,md srt,scat feld grns,vsl glauc ip,vsl mic ip,calc cem,NFSOC
3320.00 3340.00	SS aa,clr-wht-lt gr,fn-md grn,sb rnd-sb ang ip,md srt,scat feld grns,vsl glauc ip,vsl mic ip,calc cem,NFSOC
3340.00 3359.00	SHL,rd-brn-brn-gr-grn,sl frm-sft,blky-sb plty,slty/rthy tex ip,sl mic pyr ip,calc
3360.00 3380.00	SS,lt gr-gr-off wht,S&P,vfn-fn-occ md grn,sb ang-sb rnd,md-pr srt,com dk lithic grns,sl glauc ip,calc cem,com wht cly por fill,NFSOC
3380.00 3400.00	SHL,rd-brn-brn-gr-grn,sl frm-sft,blky-sb plty,slty/rthy tex ip,sl mic pyr ip,calc
3400.00 3420.00	SHL aa,rd-brn-brn-gr-grn,sl frm-sft,blky-sb plty,slty/rthy tex ip,sl mic pyr ip,calc
3420.00 3440.00	SHL aa,rd-brn-brn-gr-grn,sl frm-sft,blky-sb plty,slty/rthy tex ip,sl mic pyr ip,calc,scat SS,loose md size grns,NFSOC
3440.00 3460.00	SHL aa,rd-brn-brn-gr-grn,sl frm-sft,blky-sb plty,slty/rthy tex ip,sl mic pyr ip,calc
3460.00 3480.00	SHL aa,rd-brn-brn-gr-grn,sl frm-sft,blky-sb plty,slty/rthy tex ip,sl mic pyr ip,calc
3480.00 3500.00	SHL aa,rd-brn-brn-gr-grn,sl frm-sft,blky-sb plty,slty/rthy tex ip,sl mic pyr ip,calc
3500.00 3510.00	scat SS,lt gr-gr,fn-vfn grn,sl S&P,argil,dk lithic frags,calc cem,NFSOC
3510.00 3530.00	SHL,pred rd-brn-brn-occ gr,sl frm-md sft,blky-sb plty,slty/rthy tex,sl mic pyr ip,calc
3530.00 3540.00	scat SS,lt gr-gr,fn-vfn grn,sl S&P,argil,com dk min grns,calc cem,NFSOC
3540.00 3560.00	SHL aa,pred rd-brn-brn-occ gr,sl frm-md sft,blky-sb plty,slty/rthy tex,sl mic pyr ip,calc
3560.00 3590.00	SHL aa,pred rd-brn-brn-occ gr,sl frm-md sft,blky-sb plty,slty/rthy tex,sl mic pyr ip,calc
3590.00 3600.00	SS,wht-clr-gr,fn-md grn,sb rnd-sb ang,mod-pr srt,dk gr lithic frags,com feld grns,sl mic,calc cem,cly fill por,NFSOC
3600.00 3620.00	SHL,rd brn-brn-grn,sl frm-sft,sb blky-flky,rthy/muddy tex,mica ip,mic pyr ip,calc
3620.00 3630.00	SHL aa,rd brn-brn-grn,sl frm-sft,sb blky-flky,rthy/muddy tex,mica ip,mic pyr ip,calc
3630.00 3640.00	SS,wht-lt gr-lt pnk ip,fn-vfn grn,sb ang-sb rnd,md srt,feld,dk lithic frags,scat chlor,abund wht cly por fill,calc cem,NFSOC

DEPTH	LITHOLOGY
3640.00 3650.00	SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blk,y,rthy/slty/grny tex ip,sndy ip,gr-grn shl is mic pyr,calc
3650.00 3670.00	scat SS,wht-clr,fn-md grn,sb ang-sb rnd,md wl srt,pred unconsol grns,calc cem,NFSOC
3670.00 3680.00	SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blk,y,rthy/slty/grny tex ip,sndy ip,gr-grn shl is mic pyr,calc
3680.00 3700.00	SS,wht-lt gr-clr,sl S&P,fn-md grn,sb ang-sb rnd,md srt,feld ip,dk gr lithic frags,calc & minor qtz ovrgth cem,com-abund wht cly por fill,NFSOC
3700.00 3710.00	SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blk,y,rthy/slty/grny tex ip,sndy ip,gr-grn shl is mic pyr,calc
3710.00 3720.00	SS,clr-wht,md grn,sb ang-occ sb rnd,md wl srt,com dk lithic frags,scat chlor & feld,abund unconsol grns,calc & min qtz ovrgth cem,minor wht cly fill,NFSOC
3720.00 3740.00	SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blk,y,rthy/slty/grny tex ip,sndy ip,gr-grn shl is mic pyr,calc
3740.00 3760.00	SHL aa,rd brn-brn-gr-grn,sl frm-md sft,sb blk,y,rthy/slty/grny tex ip,sndy ip,gr-grn shl is mic pyr,calc
3760.00 3780.00	SS,clr-wht,md grn,sb ang-rnd,md wl srt,com dk lithic frags,scat chlor & feld,abund unconsol grns,calc & min qtz ovrgth cem,minor wht cly fill,NFSOC
3780.00 3800.00	SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blk,y,rthy/slty/grny tex ip,sndy ip,gr-grn shl is mic pyr,calc
3800.00 3810.00	SHL,brn-rd brn-gr,sl frm,sb blk,y,rthy/slty tex ip,sl mic pyritic,sl calc-non calc ip
3810.00 3820.00	scat SS,wht-clr,md-fn grn,sb rnd-occ sb ang,md srt,scat dk lithic frags,pred loose grns,NFSOC
3820.00 3840.00	SHL,brn-rd brn-gr,sl frm,sb blk,y,rthy/slty tex ip,sl mic pyritic,sl calc-non calc ip
3840.00 3850.00	SHL aa,brn-rd brn-gr,sl frm,sb blk,y,rthy/slty tex ip,sl mic pyritic,sl calc-non calc ip
3850.00 3865.00	SS,fn-md-vfn grn,lt gr-wht-clr ip,sb ang-sb rnd,md-pr srt,scat dk min inclu & feld grns,com wht cly fill,calc cem
3865.00 3880.00	SHL,brn-rd brn-gr-yel,sl frm-md sft,sb blk,y-sb plty,rthy/grny tex ip,scat mic pyr,sl-md calc
3880.00 3900.00	SHL aa,brn-rd brn-gr-yel,sl frm-md sft,sb blk,y-sb plty,rthy/grny tex ip,scat mic pyr,sl-md calc
3900.00 3920.00	SHL aa,brn-rd brn-gr-yel,sl frm-md sft,sb blk,y-sb plty,rthy/grny tex ip,scat mic pyr,sl-md calc
3920.00 3940.00	SHL aa,brn-rd brn-gr-yel,sl frm-md sft,sb blk,y-sb plty,rthy/grny tex ip,scat mic pyr,sl-md calc
3940.00 3960.00	SHL,varicol,brn-rd brn-gr-grn-yel,sl frm-md sft,sb blk,y-sb plty,rthy/grny tex ip,scat mic pyr,sl-md calc

DEPTH	LITHOLOGY
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3960.00 3980.00 SHL,brn-rd brn-gr-grn,sl frm-md sft,sb blk-y-sb plty,rthy/grny tex ip,scat mic pyr,sl-md calc

3980.00 3990.00 SS,lt gr-lt brn-occ clr,fn-vfn-occ md grn,sb ang-sb rnd,md srt,scat dk lithic frags,calc cem,argil ip,tt,NFSOC

3990.00 4010.00 SHL,brn-rd brn-gr-grn,sl frm-md sft,sb blk-y-sb plty,rthy/grny tex ip,scat mic pyr,sl-md calc

4010.00 4030.00 SHL aa,brn-rd brn-gr-grn,sl frm-md sft,sb blk-y-sb plty,rthy/grny tex ip,scat mic pyr,sl-md calc

4030.00 4050.00 scat SS,lt gr,fn-occ md grn,sb ang,md srt,scat dk min incl,calc cem & qtz ovrgrth cem,sl argil,scat-com lse qtz grns,tt,NFSOC

4050.00 4065.00 SHL,pred rd brn-brn,occ gr-grn,sl frm-sl sft,sb blk-y-sb plty,calc,gr-grn is mic pyr,rd brn is rthy/grny tex

4065.00 4080.00 SHL aa,rd brn-brn-gr-grn,sl frm-md sft,sb blk-y-sb plty,rthy/grny tex ip,scat mic pyr,md calc

4080.00 4095.00 SS,lt brn,vfn-occ fn grn,sb rnd,wl srt,md hd-dens,argil,calc grd ip to sndy LS

4095.00 4110.00 SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blk-y-sb plty,rthy/grny tex ip,scat mic pyr,md calc

4110.00 4120.00 SHL aa,rd brn-brn-gr-grn,sl frm-md sft,sb blk-y-sb plty,rthy/grny tex ip,scat mic pyr,md calc

4125.00 4140.00 SS,pred scat unconsol qtz grns,clr,md wl rnd,md-occ fn grn,calc cem,NFSOC

4140.00 4160.00 SHL,varicol,rd brn-brn-gr-grn-yel,md frm-md sft,sb blk-y-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc ip

4160.00 4175.00 SHL aa,rd brn-brn-gr-grn-yel,md frm-md sft,sb blk-y-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc ip

4175.00 4190.00 varicol SHL aa,rd brn-brn-gr-grn-yel,md frm-md sft,sb blk-y-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc ip

4190.00 4200.00 scat SS,lt gr,vfn-fn md grn,sb ang-sb rnd,wl srt,poss sl frost ip,argil,scat lithic frags,calc cem,NFSOC

4200.00 4220.00 varicol SHL,rd brn-brn-gr-grn-yel,md frm-md sft,sb blk-y-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc ip

4220.00 4240.00 SHL aa,rd brn-brn-gr-grn-yel,md frm-md sft,sb blk-y-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc ip

4240.00 4250.00 SS,vfn-fn-md grn,wht-clr-gr,sb ang-sb rnd,pr srt,argil ip,mic ip,scat lithic frags,feld ip,cly filled ip,calc cem,NFSOC

4260.00 4270.00 SS,fn-md grn,lt gr-clr,ang-sb rnd,md srt,com lithic frags,feld,calc cem,NFSOC

DEPTH	LITHOLOGY
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4270.00 4290.00 varicol SHL,rd brn-brn-gr-grn-yel,md frm-md sft,sb blkyl-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc ip

4290.00 4300.00 SS,vfn-fn-md grn,wht-clr-gr,sb ang-sb rnd,md srt,argil ip,cly filled ip,calc cem,NFSOC

4300.00 4315.00 SHL,pred rd brn-brn-scat gr-grn,md frm-md sft,sb blkyl-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc ip

4315.00 4330.00 SS,lt gr-brn-occ wht,fn-vfn grn-occ md grn,sb rnd-sb ang,mod wl srt,scat dk lithic frags,mic ip,calc cem,cly fill por,v argil ip grd to sndy SLTSTN ip,NFSOC

4330.00 4350.00 SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blkyl,rthy/slty tex ip,sndy ip,mic pyr ip,calc

4350.00 4360.00 SS,lt gr-brn,occ wht-clr,pred fn-vfn grn,occ md gr,sb ang-sb rnd,md-pr srt,argil ip,calc cem,NFSOC

4360.00 4375.00 SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blkyl,rthy/slty tex ip,sndy ip,mic pyr ip,calc

4375.00 4390.00 SHL aa,rd brn-brn-gr-grn,sl frm-md sft,sb blkyl,rthy/slty tex ip,sndy ip,mic pyr ip,calc

4390.00 4400.00 SS,lt gr-wht-clr,vfn-fn-occ md grn,sb ang-sb rnd,md srt,spty dk min inclu,sl feld,minor chlorite,calc cem,part cly fill,com lse grns,NFSOC

4400.00 4420.00 SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blkyl,rthy/slty tex ip,sndy ip,mic pyr ip,calc

4420.00 4440.00 SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blkyl,rthy/slty tex ip,sndy ip,mic pyr ip,calc

4440.00 4455.00 SHL aa,rd brn-brn-gr-grn,sl frm-md sft,sb blkyl,rthy/slty tex ip,sndy ip,mic pyr ip,calc

4455.00 4470.00 SS,lt gr-occ wht-clr,mott dk gr ip,fn-md grn,sb ang-sb rnd,dk lithic frags,calc cem,NFSOC

4470.00 4480.00 SS,lt gr-clr,med-crs grn,ang-sb ang,md sort,abund unconsol grns,minor feld,minor lithic frags,prob calc & minor qtz ovrgth cem,minor cly fill por,NFSOC

4480.00 4500.00 SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blkyl,rthy/slty tex ip,sndy ip,mic pyr ip,calc

4500.00 4515.00 SS,lt gr,vfn-fn grn,sb ang-sb rnd,md wl srt,com dk min inclu,pos sl mic,calc cem,slty ip grd to calc SLTSTN,

4515.00 4530.00 SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blkyl,rthy/slty tex ip,sndy ip,mic pyr ip,calc

4530.00 4550.00 SHL aa,rd brn-brn-gr-grn,sl frm-md sft,sb blkyl,rthy/slty tex ip,sndy ip,mic pyr ip,calc

4550.00 4565.00 varicol SHL,rd brn-brn-gr-grn,md frm-md sft,sb blkyl-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc ip

4565.00 4580.00 varicol SHL aa,rd brn-brn-gr-grn-pnk,md frm-md sft,sb blkyl-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc ip

4580.00 4600.00 SHL,rd brn-brn-pnk-gr-grn,sl frm-md sft,sb blkyl,rthy/slty tex ip,sndy ip,mic pyr ip,calc

DEPTH	LITHOLOGY
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4600.00 4620.00 SHL aa,rd brn-brn-pnk-gr-grn,sl frm-md sft,sb blk,y,rthy/slty tex ip,sndy ip,mic pyr ip,calc

4620.00 4640.00 SS,lt gr-clr-occ wht,fn-md grn,ang-sb ang-occ sb rnd,md wl srt,scat dk lithic frags,pred qtz,abund unconsol grns,calc cem,minor cly fill,NFSOC

4640.00 4660.00 SHL,rd brn-brn-gr-grn,sl frm-md sft,sb blk,y,rd-bn shl-rthy/slty tex ip,sndy ip,calc,gr-grn shl satin tex,mic pyr ip,sl-non calc

4660.00 4670.00 rr LS,tn-lt brn,md hd,mic xln,dens,argil/slty

4670.00 4690.00 scat SS,wht-clr,fn-md grn,sb ang-sb rnd,md wl srt,calc cem,com loose grns,NFSOC

4690.00 4700.00 varicol SHL,rd brn-brn-gr-grn-yel,md frm-md sft,sb blk,y-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc

4700.00 4720.00 SHL aa,rd brn-brn-gr-grn-yel,md frm-md sft,sb blk,y-sl plty,grny/rthy tex ip,mic pyr ip,calc-non calc ip

4720.00 4735.00 scat SS,wht-clr,fn-md grn,sb ang-sb rnd,md wl srt,calc cem,com loose grns,NFSOC

4735.00 4750.00 scat LS,crm-lt tn,sl frm-sl sft,microxln,dens-sl rthy/slty tex,no vis POR,NFSOC

4750.00 4765.00 SHL,varicol,rd brn-brn-gr-grn-crm,sl frm-sft,sb blk,y,rthy/grny tex ip,slty/chky tex ip,sl calc-v calc ip grd argil LS

4765.00 4775.00 scat LS,hon brn-tn,md frm-sft,mic xln,dens-chky ip,slty,argil,NFSOC

4775.00 4785.00 SS,wht-lt grn,fn-vfn grn,sb ang-sb rnd,calc cem,cly fill por,NFSOC

4785.00 4800.00 varicol SHL,rd brn-brn-gr-grn-wht-yel,sl frm-sft,sb blk,y,calc-v calc ip grd to slty LS aa

4800.00 4810.00 scat LS,hon brn-crm,md frm-sft,mic xln,dens-chky/rthy ip,slty,argil,NFSOC

4810.00 4825.00 SHL,varicol,rd brn-brn-gr-grn-purp,sl frm-md sft,sb blk,y,slty/rthy tex ip,sl calc ip to non calc

4825.00 4840.00 varicol SHL aa,rd brn-brn-gr-grn-purp,sl frm-md sft,sb blk,y,slty/rthy tex ip,sl calc ip to non calc

4840.00 4850.00 SS,lt gr,vfn-fn grn,md-sl frm,sb rnd-sb ang,wl srt,scat shl ptgs,scat dk min inclu,calc cem & minor qtz o cem,no vis POR,NFSOC

4850.00 4870.00 SHL,varicol,rd brn-brn-gr-grn,sl frm-md sft,sb blk,y,slty/rthy tex ip,sl mic pyr ip,sl calc ip to non calc

4870.00 4880.00 scat SS,wht-clr,fn-vfn grn,sl frm,sb ang-sb rnd,md wl srt,minor dk gr min inclu,calc cem,pos qtzovr cem,NFSOC

4880.00 4900.00 SHL,varicol,rd brn-brn-crm-wht-gr-grn,sl frm-md sft,sb blk,y,slty/rthy tex ip,sl mic pyr ip,sl calc ip to no

4900.00 4910.00 scat SS,wht-lt gr,vfn-fn grn,md-sl frm,sb rnd-sb ang,wl srt,calc cem,NFSOC

4910.00 4920.00 LS,crm-tn-lt gr,md-sl frm-md sft ip,mic xln,dens-sl chky/rthy tex ip,sndy ip grd to v calc SS ip,NFSOC

4920.00 4932.00 SHL,lt-md gr-rd brn-brn,sl frm,blk,y,rthy/grny tex ip,sl calc,v slty ip grd to SLTSTN ip

GEOLOGICAL SUMMARY AND ZONES OF INTEREST

The Wasatch Oil & Gas, Hunt Ranch #3-4 well was spud on May 2, 2001 as a development well in the Nine Mile Canyon gas field. The Nine Mile Canyon Field produces from sands in the Wasatch Formation and from the underlying Mesaverde Formation. The well is located along the creek in Nine Mile Canyon and was spud in the lower portion of the Green River Formation. The Hunt Ranch well reached a total measured depth of 4932 feet on May 19, 2001 within the North Horn of the lower Wasatch Formation. The objectives for this well were met as a number of potential productive zones were encountered and logged within the Wasatch section. A 4 ½" production string of casing was run and cemented to 4932'.

The primary objectives of the Hunt Ranch #3-4 well were the productive fluvial sands within the Wasatch Formation known from the offsetting wells. Shows in offset wells have also been noted in the lower portion of the Green River Formation and were analyzed while drilling the Green River section.

The hole was drilled by Sauer Drilling Company, Rig #30. The well was successfully drilled to total depth using a low solids-non dispersed mud system. No lost circulation zones were encountered. A minor water flow was observed while drilling and casing the surface hole. The water flow persisted during the drilling of the main portion of the hole. The mud weight was increased to as much as 10.5 lb/gal in an attempt to control it, but these attempts were not successful. It was determined that the water flow most likely was coming from the shallow zone at the base of the surface casing and to attempt to kill it would exceed the frac gradient of potential pay zones below. For that reason, the mud weight was allowed to decrease again to 8.6-9.0 lb/gal so as to protect any potential pays, and the drilling of the well was completed with the shallow water flow.

The well was spud in the Eocene age Green River Formation, and surface casing was set to 515' KB. The geological analysis of the well began out from under surface casing in the Green River Formation. The following are brief descriptions of the lithologies encountered while drilling, but for detailed lithologic descriptions, the reader should refer to either the preceding section or the accompanying geologic strip/mud log.

Interbedded sandstones, shales and limestone characterized the portion of the Green River Formation penetrated by this well, with some of the sandstones becoming fine grained enough to be considered a siltstone. Generally, the limestones encountered were cream to tan to light brown to occasionally darker brown, micro to cryptocrystalline and dense to slightly chalky in part. The limestones encountered right out from under surface were hard and siliceous in part. The limes deeper into the section below 700' became fossiliferous in part, with ostracods predominating and gastropods in lesser amounts. Some of the limes also displayed minor amounts of pyrite.

The sandstones within the Green River section were predominately very fine grained and moderately well sorted with the grains being sub-angular to sub-rounded. Most of the sands observed were fairly clean and cemented with calcite. A minor amount of quartz overgrowth cement was observed in some samples. Some of the sands were micaceous in part, and displayed varying quantities of carbonate grains. The sands encountered around 1000' and below displayed some tarry oil staining with very slight to no fluorescence but poor to fair streaming cuts in chlorothene.

Shales within this section were varicolored with grays and browns being predominate, but with lesser amounts of cream and green. Generally, the shales were moderately firm, calcareous and sub-blocky to sub platy in character. The shales were almost all calcareous with common micro-pyrite.

One gas show was noted in the lower portion of the Green River section. This show was associated with oil staining and may have commercial significance and is summarized in the following table.

DEPTH	ROP	BG GAS	PEAK	Brief sample description
981-1030'	1.5/ 7/1.1	40-60 units	1931 units	Sandstone, wht-lt gr, vfn gm, mic ip, calc cem

Additional sands were encountered in the Green River section from about 1250' to 1360'. These sands were primarily medium grained, moderately sorted and appeared to have excellent porosity, as many of the grains in the samples were unconsolidated. An increased water flow was also noted at this depth, substantiating these sands having good porosity and permeability, but with no shows noted.

The lowermost portion of the Green River section, the Uteland Butte Limestone, was encountered at a drill depth of 1430' and a log depth of 1448' (4190 datum), 141' high to the Pickrell #1 comparison well located in section 11-T12S-R15E. The Uteland Butte Limestone was tan to light brown in color, slightly mottled, moderately to slightly hard and was micro- to fine crystalline. This limestone in this well was very fossiliferous with abundant ostracods. Spotty dull fluorescence was noted with a fair streaming cut, but with no visible porosity or staining.

The top of the Wasatch was encountered at a depth of 1482', (log depth 1498') with a corresponding datum of 4140'. This is 143' high to the Govt. Pickrell #1 comparison well. The upper Wasatch to the top of the middle Wasatch at 2554' was characterized by interbedded sandstones and shales.

The sandstones were all fairly similar being generally white to clear to light gray in color, fine to medium grained, sub angular to sub rounded with no frosting of grains noted and moderately sorted. Many of these sands exhibited dark gray to black lithic fragments, varying amounts of feldspar, minor chlorite and mica, and all had calcite cement. The sands with feldspars and mica can be assumed to have varying amounts of clay fill due to leaching and the development of authigenic clay minerals. In addition, a number of the sands appeared to have white clay filled porosity.

The shales in the upper Wasatch section were primarily brown to gray with lesser amounts of pale green and dark brown. The brown shales generally were slightly firm to moderately soft, silty to earthy in appearance with a grainy texture in part. They were also sandy in part, exhibited minor amounts of mica and were calcareous. The gray to pale green shales exhibited a finer texture with a minor amount of micro-pyrite and were generally less calcareous.

Two minor gas shows were encountered in the upper Wasatch section and are summarized in the table below. Neither zone appeared to be of much economic interest.

DEPTH	ROP	BG GAS	PEAK	Brief sample description
1955-1965'	1.2/ 7/1.2	125 U	391 U	SS,clr-wht,S&P,fn-md grn,calc cem,clay fill
2074-2082'	1.4/ 8/1.5	85 U	412 U	SS,clr-lt gr-lt pnk,fn-md grn,feld,calc cem

The middle Wasatch was encountered at a depth of 2564' (3074' datum) 149' high the Govt. Pickrell #1 comparison well. This top of the middle Wasatch was picked based on a 20-foot thick dolomitic siltstone that was a distinct different lithology from either the overlying or underlying sediments, and on the isopach interval from the Pickrell #1 comparison well. The log depth was picked at 2700' (2938' datum) at the base of the thick wet sand package present at the base of the upper Wasatch. The log pick put the top of the middle Wasatch just 11' high to the Pickrell #1 comparison well, but as the top is an erosional surface, the change in structural comparison is not out of the question.

The middle Wasatch was also characterized by interbedded sandstones and shales. The sands of the middle Wasatch were similar in appearance to the upper Wasatch, but became slightly coarser and somewhat better developed.

The sands were generally white to clear to light gray in color, medium to fine grained, sub angular to sub rounded and moderately sorted. They displayed common dark gray lithic fragments, and as in the upper Wasatch sands, had varying amounts of feldspar grains, occasional glauconite or chlorite, and calcite cement. They also displayed varying amounts of white to red clay filling porosity.

The shales of the middle Wasatch were indistinguishable from the shales of the upper Wasatch. Once again they were primarily brown to gray with lesser amounts of pale green and dark brown. The brown shales were slightly firm to moderately soft, silty to earthy in appearance, sandy in part and with a grainy texture in part. They also exhibited minor amounts of mica and were calcareous. The gray to pale green shales exhibited a finer texture with minor amounts of micro-pyrite and were generally less calcareous. The lowermost 200' above the North Horn was primarily shale, with few sands developed. The few sands encountered were fine to medium grained, light gray, moderately to poorly sorted and quite argillaceous and exhibited no shows.

Two sands in the middle Wasatch section exhibited slightly better shows than those in the upper Wasatch section, but still are probably not of much economic significance. These two shows are summarized in the table below.

DEPTH	ROP	BG GAS	PEAK	Brief sample description
3065-3076'	1.7/1.0/1.7	85 U	516 U	SS,wht-clr,fn-md gm,md srt,sl glauc,calc cem
3295-3311'	1.9/9/1.7	100 U	680 U	SS,clr-wht-lt gr,fn-md gm,loose gms,calc cem

The top of the North Horn was penetrated at a drill depth of 3616' with a corresponding subsurface datum of 2022', 148' high to the Govt. Pickrell #1 comparison well. The log pick was 3570' with a datum of 2068', 194' high to the Pickrell #1. As with the upper and middle Wasatch intervals above, the North Horn was also characterized primarily by interbedded sandstones and shales. Some of the sands, however, became very fine grained and very calcareous, grading to very argillaceous limestones in part.

The shales encountered were primarily red brown to brown, with lesser amounts of grays and greens, plus occasional yellow. They were slightly firm to moderately soft, sub blocky to slightly platy in places, and generally calcareous. The red-brown and brown shales exhibited grainy to earthy textures with occasional sand grain and mica inclusions. The gray and green shales showed more of a waxy texture and were less calcareous and displayed common micro-pyrite inclusions.

The sands in the North Horn portion of the Wasatch displayed two distinctly different characters. One was fine to very fine grained, possibly slightly frosted in part, sub rounded to sub angular, moderately well sorted and very calcareous grading in part to very argillaceous limestones. These fine-grained sands were often light gray to light brown in color, with scattered dark lithic fragments. The other types of sandstones encountered in this section were similar to those seen above. They were generally white to clear to light gray in color, fine to medium to occasionally coarse grained, sub angular to sub rounded, moderately sorted and often displayed common to abundant unconsolidated grains. They also displayed varying amounts of dark gray lithic fragments, feldspar grains, glauconite or chlorite and were cemented with calcite cement and possibly minor amounts of quartz overgrowth cement. These lower sands seemed to be somewhat cleaner than those seen above with lesser amounts of white to red clay filling porosity.

The following table summarizes the shows seen through the North Horn. It should be noted that both types of sandstones seen through this section displayed gas shows.

DEPTH	ROP	BG GAS	PEAK	Brief sample description
3642-3647'	3.8/2.0/3.0	65 U	201 U	SS,wht-clr-lt pnk,fn-vfn gm,feld,clay filled por
3715-3720'	1.8/1.1/2.4	75-95 U	1805 U	SS,clr-wht,md gm,lithic frags,unconsol snd gms
3768-3774'	2.2/1.0/3.0	85-95 U	9961 U	SS,clr-wht,md gm,lse gms,feld,chlor,calc cem
4315-4331'	3.0/2.4/6.0	250-300U	691 U	SS,lt gr-brn,fn-vfn gm,mod srt,calc cem,argill
4475-4482'	6.0/3.5/6.0	75-100 U	323 U	SS,lt gr-clr,md-crs gm,md srt,lse gms,calc cem
4626-4641'	8.0/4.0/5.8	85-100 U	528 U	SS,lt gr-clr-wht,fn-md gm,md wl srt,abund lse gms, scat dk lithic frags,calc cem,minor clay fill

The following is a table summarizing porosity zones encountered in the Hunt Ranch #3-4 well based on an analysis of the density neutron and array induction logs. A number of these zones were cored utilizing Schlumberger's sidewall coring tool for analysis of porosity, permeability and clay content. Of 27 attempted cores, 23 were recovered.

DEPTH	FORMATION	POROSITY (percent)	Rt (ohms)	Rw (ohms)	Sw SAT. (percent)	CROSSOVER	SIDE-WALL CORE (depth)
989-994'	Green River	22%	45 Ω	.45 Ω	45.4%	Slight	990'
998-1009'	Green River	16%	33 Ω	.45 Ω	73.0%	None	1000'
1064-1080'	Green River	22%	28 Ω	.45 Ω	57.6%	None	No
1914-1929'	Upper Wasatch	17%	6.5 Ω	.25 Ω	100%	None	No
2030-2044'	Upper Wasatch	16%	10 Ω	.25 Ω	98.8%	None	No
2070-2087'	Upper Wasatch	16.5%	7.5 Ω	.25 Ω	95.8%	None	No
2528-2555'	Upper Wasatch	16%	30 Ω	.25 Ω	57.0%	None	No
2740-2752'	Middle Wasatch	12.5%	15 Ω	.25 Ω	100%	None	2742' 2748'
2788-2801'	Middle Wasatch	16.5%	10 Ω	.25 Ω	95.8%	Slight	No
2832-2851'	Middle Wasatch	14%	15 Ω	.25 Ω	92.2%	None	2834' 2838' 2846'
3066-3079'	Middle Wasatch	14%	13 Ω	.25 Ω	99.0%	None	3018' 3022' 3028'
3290-3311'	Middle Wasatch	12.5%	17 Ω	.25 Ω	97.0%	None	3298' 3308'
3714-3719'	North Horn	13.5%	60 Ω	.25 Ω	47.8%	Fair	3714' 3716'
3762-3774'	North Horn	13.5%	120 Ω	.25 Ω	33.8%	Good	3764' 3768' 3772'
4475-4486'	North Horn	10%	100 Ω	.25 Ω	50.0%	Slight	4478' 4482' 4484'
4622-4644'	North Horn	12%	75 Ω	.25 Ω	48.1%	Slight/Fair	4624' 4628' 4632' 4636' 4640'

It should be noted the above calculations are based on estimated crossplot porosity and a generalized R_w utilizing a basic Archie equation and do not take into account any potential shalyness of the sands. For these reasons, the zones noted in the table above are for reference only to draw attention to those that may warrant additional analysis. On a cursory overview, it appears those zones with 50% or less calculated S_w saturation values might be the potentially productive zones. A complete reservoir analysis of each zone is recommended utilizing the core analysis data and the CMR log but is beyond the scope of this wellsite geology report.

DISCUSSION & CONCLUSIONS:

The Hunt Ranch #3-4 well was drilled as an offset development well in the Nine Mile Canyon gas field. The Govt. Pickrell #1 well located, one mile southeast in section 11-T12S-R15E, is a producing Wasatch gas well with production from the North Horn member. The Hunt Ranch #3-4 well targeted these same sands. The primary productive intervals in the upper portion of the North Horn seen in the Pickrell #1 well were not present in the Hunt Ranch #3-4.

The Hunt Ranch #3-4 well consistently ran approximately 150 feet high to the Pickrell #1 well. Six zones were encountered in the Hunt Ranch #3-4 well with potential for hydrocarbon production. Five of the six zones are in the North Horn portion of the Wasatch and show crossover on the density/neutron log. The sixth zone of interest is in the lower portion of the Green River (or in the transition zone) at 990' to 1020' with slight crossover on the log, and a good associated gas show when drilled. A few of the other zones shown in the tables above had minor gas shows while drilling, and should be evaluated for additional potential.

There were three distinct gas spikes present after each connection. The first two were close together and came from the two uppermost show zones seen in the transition zone above the Uteland Butte Limestone. The lower gas spike came from the show zone at 3770'. This zone gave up significant amounts of gas on connections (10,000+ units on many connections) and during trips. After the bit trip at 4334', the well practically unloaded when circulation was first re-established. In excess of 10,000 units of trip gas was seen within 3 to 4 minutes, after which the shaker was bypassed, as there was too much gas to allow it to go over the screens. Gas bubbled up over the drilling bell nipple for close to an hour before the gas was circulated out and drilling could be resumed.

Schlumberger took a number of sidewall cores, both in potential pay zones and in zones that are probably wet. The depths of these cores are tabulated in the table on the preceding page. The cores were sent to Terra Tek in Salt Lake City for porosity/permeability analyses and analysis of clay content. The objective of taking the sidewall cores in both wet zones and potentially productive zones is to attempt to better understand the reservoir parameters and to help "calibrate" the results of the CMR log, which in turn will hopefully lead to improved stimulation procedures.

Based on the number of shows encountered in this well, and especially the zone at 3770', it was recommended that 4 1/2" production casing be run and a completion attempted. A DV tool was run below the two potential zones in the lower Green River, and cement was circulated from there to surface to provide the opportunity to attempt a completion in these zones at a later date, as well as to shut off the water flow at the base of the surface casing. It appears the Hunt Ranch #3-4 well will result in a new commercial gas well in the Nine Mile Field.

Jason G. Blake, CPG, RPG
Consulting Geologist

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: 1/1/2014

FROM: (Old Operator): N2165-Bill Barrett Corporation 1099 18th Street, Suite 230 Denver, CO 80202 Phone: 1 (303) 312-8134	TO: (New Operator): N4040-EnerVest Operating, LLC 1001 Fannin Street, Suite 800 Houston, TX 77002 Phone: 1 (713) 659-3500
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WELL NAME	CA No.	SEC	TWN	RNG	API NO	Unit:	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List						N/A				

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: 1/7/2014
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 1/7/2014
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/28/2014
- a. Is the new operator registered in the State of Utah: Business Number: 8850806-0161
- a. (R649-9-2) Waste Management Plan has been received on: Not Yet
- b. Inspections of LA PA state/fee well sites complete on: Yes
- c. Reports current for Production/Disposition & Sundries on: 1/24/2014
- 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 Not Yet 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")** 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: Yes

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 1/28/2014
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 1/28/2014
- Bond information entered in RBDMS on: 1/28/2014
- Fee/State wells attached to bond in RBDMS on: 1/28/2014
- Injection Projects to new operator in RBDMS on: 1/28/2014
- Receipt of Acceptance of Drilling Procedures for APD/New on: 1/7/2014
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 1/7/2014

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: RLB7886
- Indian well(s) covered by Bond Number: RLB7886
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number B008371
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** 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: 1/28/2014

COMMENTS:

Bill Barrett Corporation (N2165) to EnerVest Operating, LLC (N4040)
Effective 1/1/2014

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral Lease	Surface Lease	Well Type	Well Status
JACK CANYON UNIT 8-32	32	120S	160E	4300730460	15167	State	State	WI	A
PRICKLY PEAR U FED 10-4	10	120S	140E	4300730823	14462	Federal	Federal	WI	A
JACK CYN U ST 14-32	32	120S	160E	4300730913	15166	State	State	WD	A
PRICKLY PEAR U FED 12-24	24	120S	140E	4300730953	14467	Federal	Federal	WD	A
HORSE BENCH FED 4-27D-12-16	27	120S	160E	4300750092		Federal	Federal	GW	APD
HORSE BENCH FED 5-27D-12-16	27	120S	160E	4300750093		Federal	Federal	GW	APD
HORSE BENCH FED 4-20D-12-17	19	120S	170E	4300750350		Federal	Federal	GW	APD
Horse Bench Federal 16-18D-12-17	19	120S	170E	4300750351		Federal	Federal	GW	APD
SHARPLES 1 GOVT PICKRELL	11	120S	150E	4300716045	7030	Federal	Federal	GW	P
STONE CABIN UNIT 1	13	120S	140E	4300716542	12052	Federal	Federal	GW	P
STONE CABIN FED 1-11	11	120S	140E	4300730014	6046	Federal	Federal	GW	P
JACK CANYON 101-A	33	120S	160E	4300730049	2455	Federal	Federal	GW	P
PETERS POINT ST 2-2-13-16	2	130S	160E	4300730521	14387	State	State	GW	P
HUNT RANCH 3-4	3	120S	150E	4300730775	13158	State	Fee	GW	P
PRICKLY PEAR UNIT 13-4	13	120S	140E	4300730825	14353	Federal	Federal	GW	P
PETERS POINT ST 4-2-13-16	2	130S	160E	4300730866	14386	State	State	GW	P
PRICKLY PEAR U FED 5-13-12-14	13	120S	140E	4300731008	14897	Federal	Federal	GW	P
PETERS POINT ST 5-2D-13-16 DEEP	2	130S	160E	4300731056	15909	State	State	GW	P
PRICKLY PEAR U ST 2-36-12-15	36	120S	150E	4300731226	15719	State	State	GW	P
PP ST 8-2D-13-16 (DEEP)	2	130S	160E	4300731280	16069	State	State	GW	P
PETERS POINT U FED 14-27D-12-16	27	120S	160E	4300750068	18204	Federal	Federal	GW	P
PRICKLY PEAR U FASSELIN 5-19-12-15	19	120S	150E	4300730860	14853	Fee	Fee	GW	PA
PETERS POINT ST 6-2D-13-16	2	130S	160E	4300731017	14472	State	State	D	PA
PRICKLY PEAR U FED 7-33D-12-15	33	120S	150E	4300730985	14771	Federal	Federal	GW	S
PETERS POINT ST 8-2D-13-16	2	130S	160E	4300731016	14471	State	State	GW	S

COPY

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 <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: (see attached well list)
2. NAME OF OPERATOR: ENERVEST OPERATING, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 1001 FANNIN, ST. STE 800 CITY HOUSTON STATE TX ZIP 77002		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: (see attached well list) QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		8. WELL NAME and NUMBER: (see attached well list)
PHONE NUMBER: (713) 659-3500		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:
		COUNTY:
		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: 1/1/2014	<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.
ENERVEST OPERATING, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO ENERVEST OPERATING, LLC BY BILL BARRETT CORPORATION EFFECTIVE 1/1/2014. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

EnerVest Operating, L.L.C.
1001 Fannin, Suite 800
Houston, Texas 77002
713-659-3500
(BLM BOND # RLB 7886 , STATE/FEE BOND # B008321)

BILL BARRETT CORPORATION
Duane Zavadil NAME (PLEASE PRINT)
[Signature] SIGNATURE
Senior Vice President -
EH&S, Government and Regulatory Affairs N2115

ENERVEST OPERATING, LLC
RONNIE L YOUNG NAME (PLEASE PRINT)
[Signature] SIGNATURE
DIRECTOR - REGULATORY N4040

NAME (PLEASE PRINT) RONNIE YOUNG TITLE DIRECTOR - REGULATORY
SIGNATURE [Signature] DATE 12/10/2013

(This space for State use only) **APPROVED**
JAN 28 2014 4-RR
DIV. OF OIL, GAS & MINING
[Signature]
(5/2000) (See Instructions on Reverse Side) RECEIVED
JAN 07 2014
DIV. OF OIL, GAS & MINING

UDOGM CHANGE OF OPERATOR WELL LIST

Well Name	Sec	TWN	RNG	API Number	Entity	Lease	Well Type	Well Status	Unit
JACK CANYON UNIT 8-32	32	120S	160E	4300730460	15167	State	WI	A	
JACK CYN U ST 14-32	32	120S	160E	4300730913	15166	State	WD	A	
PRICKLY PEAR U FED 12-24	24	120S	140E	4300730953	14467	Federal	WD	A	
PPU FED 11-23D-12-15	23	120S	150E	4300731440		Federal	GW	APD	PRICKLY PEAR
PPU FED 4-26D-12-15	23	120S	150E	4300731441		Federal	GW	APD	PRICKLY PEAR
PPU FED 14-23D-12-15	23	120S	150E	4300731442		Federal	GW	APD	PRICKLY PEAR
PPU FED 12-23D-12-15	23	120S	150E	4300731443		Federal	GW	APD	PRICKLY PEAR
PPU FED 11-34D-12-16	34	120S	160E	4300731465		Federal	GW	APD	PETERS POINT
PPU FED 10-34D-12-16	34	120S	160E	4300731469		Federal	GW	APD	PETERS POINT
HORSE BENCH FED 4-27D-12-16	27	120S	160E	4300750092		Federal	GW	APD	
HORSE BENCH FED 5-27D-12-16	27	120S	160E	4300750093		Federal	GW	APD	
PRICKLY PEAR U FED 12-7D-12-15	07	120S	150E	4300750094		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 11-7D-12-15	07	120S	150E	4300750095		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 13-7D-12-15	07	120S	150E	4300750096		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR U FED 14-7D-12-15	07	120S	150E	4300750097		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-8D-12-15	08	120S	150E	4300750124		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-8D-12-15	08	120S	150E	4300750125		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-8D-12-15	08	120S	150E	4300750126		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-8D-12-15	08	120S	150E	4300750127		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-21D-12-15	21	120S	150E	4300750128		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-21D-12-15	21	120S	150E	4300750129		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-21D-12-15	21	120S	150E	4300750130		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-21D-12-15	21	120S	150E	4300750131		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-21D-12-15	21	120S	150E	4300750132		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15X-21D-12-15	21	120S	150E	4300750133		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-21D-12-15	21	120S	150E	4300750134		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-21D-12-15	21	120S	150E	4300750135		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-22D-12-15	21	120S	150E	4300750148		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-27D-12-15	22	120S	150E	4300750161		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-27D-12-15	22	120S	150E	4300750162		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-27D-12-15	22	120S	150E	4300750163		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-22D-12-15	22	120S	150E	4300750164		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-22D-12-15	22	120S	150E	4300750165		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-22D-12-15	22	120S	150E	4300750166		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-22D-12-15	22	120S	150E	4300750167		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-22D-12-15	22	120S	150E	4300750168		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-22D-12-15	22	120S	150E	4300750169		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-22D-12-15	22	120S	150E	4300750170		Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 15X-36D-12-16	36	120S	160E	4300750178		Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 15A-15D-12-15	15	120S	150E	4300750180		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11B-15D-12-15	15	120S	150E	4300750181		Federal	GW	APD	PRICKLY PEAR
PETERS POINT UF 10-1D-13-16	36	120S	160E	4300750182		Federal	GW	APD	PETERS POINT
PETERS POINT UF 9-1D-13-16	36	120S	160E	4300750183		Federal	GW	APD	PETERS POINT
PRICKLY PEAR UF 16A-15D-12-15	15	120S	150E	4300750184		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-18D-12-15	07	120S	150E	4300750185		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-18D-12-15	07	120S	150E	4300750186		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-7D-12-15	07	120S	150E	4300750187		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-18D-12-15	07	120S	150E	4300750188		Federal	GW	APD	PRICKLY PEAR

UDOGM CHANGE OF OPERATOR WELL LIST

PRICKLY PEAR UF 12A-7D-12-15	07	120S	150E	4300750189	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-7D-12-15	07	120S	150E	4300750190	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-7D-12-15	07	120S	150E	4300750191	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR FEDERAL 1-12D-12-14	12	120S	140E	4300750205	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-12D-12-14	12	120S	140E	4300750206	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-12D-12-14	12	120S	140E	4300750207	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-12D-12-14	12	120S	140E	4300750208	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-12D-12-14	12	120S	140E	4300750209	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-7D-12-15	12	120S	140E	4300750210	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-7D-12-15	12	120S	140E	4300750211	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-12D-12-14	12	120S	140E	4300750212	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-7D-12-15	12	120S	140E	4300750213	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-14D-12-15	14	120S	150E	4300750214	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-14D-12-15	14	120S	150E	4300750215	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-14D-12-15	14	120S	150E	4300750217	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-14D-12-15	14	120S	150E	4300750218	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-14D-12-15	14	120S	150E	4300750219	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-14D-12-15	14	120S	150E	4300750220	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-14D-12-15	14	120S	150E	4300750222	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-14D-12-15	14	120S	150E	4300750223	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-14D-12-15	14	120S	150E	4300750224	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1A-18D-12-15	07	120S	150E	4300750225	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2A-18D-12-15	07	120S	150E	4300750226	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-7D-12-15	07	120S	150E	4300750227	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-7D-12-15	07	120S	150E	4300750228	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-7D-12-15	07	120S	150E	4300750229	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-7D-12-15	07	120S	150E	4300750230	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-12D-12-14	12	120S	140E	4300750233	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-12D-12-14	12	120S	140E	4300750234	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-12D-12-14	12	120S	140E	4300750235	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-8D-12-15	08	120S	150E	4300750236	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-12D-12-14	12	120S	140E	4300750237	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-8D-12-15	08	120S	150E	4300750238	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-8D-12-15	08	120S	150E	4300750239	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-8D-12-15	08	120S	150E	4300750240	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-8D-12-15	08	120S	150E	4300750260	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-8D-12-15	08	120S	150E	4300750261	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-8D-12-15	08	120S	150E	4300750262	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-8D-12-15	08	120S	150E	4300750263	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-8D-12-15	08	120S	150E	4300750264	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-8D-12-15	08	120S	150E	4300750265	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-8D-12-15	08	120S	150E	4300750266	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-8D-12-15	08	120S	150E	4300750267	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-8D-12-15	08	120S	150E	4300750268	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-8D-12-15	08	120S	150E	4300750269	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-8D-12-15	08	120S	150E	4300750270	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-8D-12-15	08	120S	150E	4300750271	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-8D-12-15	08	120S	150E	4300750272	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-8D-12-15	08	120S	150E	4300750273	Federal	GW	APD	PRICKLY PEAR

UDOGM CHANGE OF OPERATOR WELL LIST

PRICKLY PEAR UF 5-9D-12-15	09	120S	150E	4300750274	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-9D-12-15	09	120S	150E	4300750275	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-9D-12-15	09	120S	150E	4300750276	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-9D-12-15	09	120S	150E	4300750277	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-9D-12-15	09	120S	150E	4300750278	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-9D-12-15	09	120S	150E	4300750279	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-9D-12-15	09	120S	150E	4300750280	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-9D-12-15	09	120S	150E	4300750281	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-9D-12-15	09	120S	150E	4300750282	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR US 1X-16D-12-15	10	120S	150E	4300750283	State	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-15D-12-15	10	120S	150E	4300750284	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-15D-12-15	10	120S	150E	4300750285	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-15D-13-15	10	120S	150E	4300750286	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-10D-12-15	15	120S	150E	4300750287	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-10D-12-15	10	120S	150E	4300750288	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-10D-12-15	15	120S	150E	4300750289	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-10D-12-15	15	120S	150E	4300750290	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-10D-12-15	15	120S	150E	4300750291	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-10D-12-15	10	120S	150E	4300750292	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-10D-12-15	15	120S	150E	4300750293	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16-10D-12-15	15	120S	150E	4300750294	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13-11D-12-15	15	120S	150E	4300750295	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-11D-12-15	15	120S	150E	4300750296	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-11D-12-15	15	120S	150E	4300750297	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 13A-10D-12-15	10	120S	150E	4300750298	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-10D-12-15	10	120S	150E	4300750299	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11-10D-12-15	10	120S	150E	4300750300	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3A-15D-12-15	10	120S	150E	4300750301	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12-14D-12-15	14	120S	150E	4300750302	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-15D-12-15	10	120S	150E	4300750303	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4A-15D-12-15	10	120S	150E	4300750304	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14-10D-12-15	10	120S	150E	4300750305	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-17D-12-15	17	120S	150E	4300750306	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-17D-12-15	17	120S	150E	4300750307	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10A-17D-12-15	17	120S	150E	4300750308	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-7D-12-15	07	120S	150E	4300750309	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-17D-12-15	17	120S	150E	4300750310	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-7D-12-15	07	120S	150E	4300750311	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-17D-12-15	17	120S	150E	4300750312	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-7D-12-15	07	120S	150E	4300750313	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-7D-12-15	07	120S	150E	4300750314	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-7D-12-15	07	120S	150E	4300750315	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6X-17D-12-15	17	120S	150E	4300750316	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-17D-12-15	17	120S	150E	4300750317	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15B-17D-12-15	17	120S	150E	4300750318	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-20D-12-15	20	120S	150E	4300750319	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-7D-12-15	07	120S	150E	4300750320	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-20D-12-15	20	120S	150E	4300750321	Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9A-20D-12-15	20	120S	150E	4300750322	Federal	GW	APD	PRICKLY PEAR

UDOGM CHANGE OF OPERATOR WELL LIST

PRICKLY PEAR UF 10A-20D-12-15	20	120S	150E	4300750323		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 10-20D-12-15	20	120S	150E	4300750324		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-7D-12-15	07	120S	150E	4300750325		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 14A-20D-12-15	20	120S	150E	4300750326		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 16A-20D-12-15	20	120S	150E	4300750327		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15A-20D-12-15	20	120S	150E	4300750328		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-7D-12-15	07	120S	150E	4300750329		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 15-20D-12-15	20	120S	150E	4300750330		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-7D-12-15	07	120S	150E	4300750331		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6-10D-12-15	09	120S	150E	4300750332		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5A-10D-12-15	09	120S	150E	4300750333		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 11A-10D-12-15	09	120S	150E	4300750334		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 6A-10D-12-15	09	120S	150E	4300750335		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 5-10D-12-15	09	120S	150E	4300750336		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 12A-10D-12-15	09	120S	150E	4300750338		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 3-10D-12-15	09	120S	150E	4300750339		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 4-10D-12-15	09	120S	150E	4300750340		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8-9D-12-15	09	120S	150E	4300750341		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 8A-9D-12-15	09	120S	150E	4300750342		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7A-9D-12-15	09	120S	150E	4300750343		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 7-9D-12-15	09	120S	150E	4300750344		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-9D-12-15	09	120S	150E	4300750345		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 2-9D-12-15	09	120S	150E	4300750346		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 1-24D-12-1	24	120S	150E	4300750348		Federal	GW	APD	PRICKLY PEAR
PRICKLY PEAR UF 9-13D-12-15	13	120S	150E	4300750349		Federal	GW	APD	PRICKLY PEAR
HORSE BENCH FED 4-20D-12-17	19	120S	170E	4300750350		Federal	GW	APD	
Horse Bench Federal 16-18D-12-17	19	120S	170E	4300750351		Federal	GW	APD	
PPU FED 9-34D-12-16	34	120S	160E	4300731430	17225	Federal	GW	OPS	PETERS POINT
PPU FED 15-35D-12-16	35	120S	160E	4300731475	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 12A-6D-13-17	31	120S	170E	4300750034	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 11A-31D-12-17	31	120S	170E	4300750036	2470	Federal	GW	OPS	PETERS POINT
PRICKLY PEAR U FED 7-21D-12-15	21	120S	150E	4300750055	14794	Federal	GW	OPS	PRICKLY PEAR
PETERS POINT U FED 9-6D-13-17	06	130S	170E	4300750120	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 14-6D-13-17	06	130S	170E	4300750121	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT U FED 15-6D-13-17	06	130S	170E	4300750122	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT UF 2-7D-13-17	06	130S	170E	4300750149	2470	Federal	GW	OPS	PETERS POINT
PETERS POINT UF 1-7D-13-17	06	130S	170E	4300750150	2470	Federal	GW	OPS	PETERS POINT
PRICKLY PEAR US 1A-16D-12-15	09	120S	150E	4300750192	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2A-16D-12-15	09	120S	150E	4300750193	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR US 2-16D-12-15	09	120S	150E	4300750194	14794	State	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 9A-9D-12-15	09	120S	150E	4300750196	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10-9D-12-15	09	120S	150E	4300750197	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 10A-9D-12-15	09	120S	150E	4300750198	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14-9D-12-15	09	120S	150E	4300750199	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 14A-9D-12-15	09	120S	150E	4300750200	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15-9D-12-15	09	120S	150E	4300750201	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 15A-9D-12-15	09	120S	150E	4300750203	14794	Federal	GW	OPS	PRICKLY PEAR
PRICKLY PEAR UF 16A-9D-12-15	09	120S	150E	4300750204	14794	Federal	GW	OPS	PRICKLY PEAR
SHARPLES 1 GOVT PICKRELL	11	120S	150E	4300716045	7030	Federal	GW	P	

UDOGM CHANGE OF OPERATOR WELL LIST

STONE CABIN UNIT 1	13	120S	140E	4300716542	12052 Federal	GW	P	
STONE CABIN FED 1-11	11	120S	140E	4300730014	6046 Federal	GW	P	
STONE CABIN FED 2-B-27	27	120S	150E	4300730018	14794 Federal	GW	P	PRICKLY PEAR
JACK CANYON 101-A	33	120S	160E	4300730049	2455 Federal	GW	P	
PETERS POINT ST 2-2-13-16	02	130S	160E	4300730521	14387 State	GW	P	
PRICKLY PEAR ST 16-15	16	120S	150E	4300730522	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 36-2	36	120S	160E	4300730761	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-3	36	120S	160E	4300730762	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 36-4	36	120S	160E	4300730763	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-25D-12-16	36	120S	160E	4300730764	2470 Federal	GW	P	PETERS POINT
HUNT RANCH 3-4	03	120S	150E	4300730775	13158 State	GW	P	
PETERS POINT U FED 4-31D-12-17	36	120S	160E	4300730810	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-26D-12-16	36	120S	160E	4300730812	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR UNIT 13-4	13	120S	140E	4300730825	14353 Federal	GW	P	
PRICKLY PEAR UNIT 21-2	21	120S	150E	4300730828	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 6-7D-13-17	06	130S	170E	4300730859	14692 Federal	GW	P	PETERS POINT
PETERS POINT ST 4-2-13-16	02	130S	160E	4300730866	14386 State	GW	P	
PRICKLY PEAR U ST 13-16	16	120S	150E	4300730933	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 11-16	16	120S	150E	4300730944	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 7-16	16	120S	150E	4300730945	14794 State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-25	25	120S	150E	4300730954	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 16-35	35	120S	160E	4300730965	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-6-13-17	06	130S	170E	4300730982	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-6D-13-17	06	130S	170E	4300731004	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 16-31D-12-17	06	130S	170E	4300731005	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 5-13-12-14	13	120S	140E	4300731008	14897 Federal	GW	P	
PETERS POINT U FED 12-31D-12-17	36	120S	160E	4300731009	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 2-36D-12-16	36	120S	160E	4300731010	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 9-36-12-16	36	120S	160E	4300731011	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U ST 36-06	36	120S	150E	4300731018	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 8-35D-12-16	36	120S	160E	4300731024	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 4-12D-13-16	02	130S	160E	4300731049	14692 Federal	GW	P	PETERS POINT
PETERS POINT ST 5-2D-13-16 DEEP	02	130S	160E	4300731056	15909 State	GW	P	
PRICKLY PEAR U FED 13-23-12-15	23	120S	150E	4300731073	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-27D-12-15	23	120S	150E	4300731074	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-26D-12-15	23	120S	150E	4300731075	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-22D-12-15	23	120S	150E	4300731076	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-28D-12-15	21	120S	150E	4300731121	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 2-12D-13-16	06	130S	170E	4300731158	14692 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-21-12-15	21	120S	150E	4300731164	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-28D-12-15	21	120S	150E	4300731165	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-21D-12-15	21	120S	150E	4300731166	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 10-36D-12-16	36	120S	160E	4300731174	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-36D-12-16	36	120S	160E	4300731175	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 15-17-12-15	17	120S	150E	4300731183	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11-17D-12-15	17	120S	150E	4300731184	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-22D-12-15	22	120S	150E	4300731186	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-22-12-15	22	120S	150E	4300731187	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-22D-12-15	22	120S	150E	4300731188	14794 Federal	GW	P	PRICKLY PEAR

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PRICKLY PEAR 11-15D-12-15	22	120S	150E	4300731189	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-18D-12-15	18	120S	150E	4300731192	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-18-12-15	18	120S	150E	4300731193	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-27D-12-15	27	120S	150E	4300731194	15569	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12-27D-12-15	27	120S	150E	4300731195	15568	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-27-12-15	27	120S	150E	4300731196	15570	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-20D-12-15	20	120S	150E	4300731197	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7-20-12-15	20	120S	150E	4300731198	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-20-12-15	20	120S	150E	4300731206	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 2-36-12-15	36	120S	150E	4300731226	15719	State	GW	P	
PRICKLY PEAR U ST 4-36-12-15	36	120S	150E	4300731227	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-27D-12-15	22	120S	150E	4300731237	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 13-22-12-15	22	120S	150E	4300731238	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-27D-12-15	22	120S	150E	4300731239	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 9-16-12-15	16	120S	150E	4300731240	14794	State	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-28D-12-15	28	120S	150E	4300731241	16028	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-27D-12-15	28	120S	150E	4300731242	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-28-12-15	28	120S	150E	4300731243	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-28D-12-15	28	120S	150E	4300731244	14794	Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U ST 1-16-12-15	16	120S	150E	4300731245	14794	State	GW	P	PRICKLY PEAR
PPU FED 11-18D-12-15	18	120S	150E	4300731257	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 11-20D-12-15	20	120S	150E	4300731258	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 4-25D-12-15	25	120S	150E	4300731259	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-25D-12-15	25	120S	150E	4300731260	16068	Federal	GW	P	PRICKLY PEAR
PPU FED 15-6D-13-17	06	130S	170E	4300731261	16103	Federal	GW	P	PETERS POINT
PP UF 3-36-12-16	36	120S	160E	4300731271	2470	Federal	GW	P	PETERS POINT
PP UF 6-36-12-16	36	120S	160E	4300731272	2470	Federal	GW	P	PETERS POINT
PPU FED 6-35D-12-16	35	120S	160E	4300731275	2470	Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-16	26	120S	160E	4300731277	2470	Federal	GW	P	PETERS POINT
PPU FED 8-34-12-16	34	120S	160E	4300731279	2470	Federal	GW	P	PETERS POINT
PP ST 8-2D-13-16 (DEEP)	02	130S	160E	4300731280	16069	State	GW	P	
PPU FED 6-34D-12-16	34	120S	160E	4300731281	2470	Federal	GW	P	PETERS POINT
PPU FED 14-26D-12-15	35	120S	150E	4300731282	16224	Federal	GW	P	PRICKLY PEAR
PPU FED 2-35-12-15	35	120S	150E	4300731283	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-26D-12-15	35	120S	150E	4300731284	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 9-17-12-15	17	120S	150E	4300731287	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 1-17D-12-15	17	120S	150E	4300731288	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-17D-12-15	17	120S	150E	4300731289	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-1D-13-16 ULTRA DEEP	06	130S	170E	4300731293	14692	Federal	GW	P	PETERS POINT
PPU FED 1-18D-12-15	18	120S	150E	4300731294	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 7-18D-12-15	18	120S	150E	4300731295	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 5-17D-12-15	18	120S	150E	4300731296	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 10-17D-12-15	17	120S	150E	4300731307	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 8-17D-12-15	17	120S	150E	4300731308	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 12-17D-12-15	17	120S	150E	4300731309	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 13-17D-12-15	17	120S	150E	4300731310	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 14-17D-12-15	17	120S	150E	4300731311	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 16-18D-12-15	17	120S	150E	4300731312	14794	Federal	GW	P	PRICKLY PEAR
PPU FED 8-18D-12-15	18	120S	150E	4300731313	14794	Federal	GW	P	PRICKLY PEAR

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PPU FED 3-18D-12-15	18	120S	150E	4300731314	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-18-12-15	18	120S	150E	4300731315	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 5-18D-12-15	18	120S	150E	4300731316	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 6-18D-12-15	18	120S	150E	4300731317	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16-27-12-16	27	120S	160E	4300731318	2470 Federal	GW	P	PETERS POINT
PPU FED 10-27D-12-16	27	120S	160E	4300731319	2470 Federal	GW	P	PETERS POINT
PPU FED 2-34D-12-16	34	120S	160E	4300731320	2470 Federal	GW	P	PETERS POINT
PPU FED 16-17D-12-15	17	120S	150E	4300731321	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 15-16D-12-15	16	120S	150E	4300731322	14794 State	GW	P	PRICKLY PEAR
PPU ST 16-16D-12-15	16	120S	150E	4300731323	14794 State	GW	P	PRICKLY PEAR
PPU ST 14-16D-12-15	16	120S	150E	4300731324	14794 State	GW	P	PRICKLY PEAR
PPU FED 2-7D-13-17 DEEP	06	130S	170E	4300731326	14692 Federal	GW	P	PETERS POINT
PPU FED 3-21D-12-15	21	120S	150E	4300731328	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-21D-12-15	21	120S	150E	4300731329	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-35D-12-16	35	120S	160E	4300731345	2470 Federal	GW	P	PETERS POINT
PPU FED 7-35D-12-16	35	120S	160E	4300731346	2470 Federal	GW	P	PETERS POINT
PPU FED 4-35D-12-16	35	120S	160E	4300731347	2470 Federal	GW	P	PETERS POINT
PPU FED 7-36D-12-16	36	120S	160E	4300731348	2470 Federal	GW	P	PETERS POINT
PPU FED 11-36D-12-16	36	120S	160E	4300731349	2470 Federal	GW	P	PETERS POINT
PPU FED 15-25D-12-16	36	120S	160E	4300731351	2470 Federal	GW	P	PETERS POINT
PPU FED 13-25D-12-16	36	120S	160E	4300731352	2470 Federal	GW	P	PETERS POINT
PPU FED 4-36D-12-16	36	120S	160E	4300731353	2470 Federal	GW	P	PETERS POINT
PPU FED 13-15D-12-15	22	120S	150E	4300731358	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14-15D-12-15	22	120S	150E	4300731359	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4-22D-12-15	22	120S	150E	4300731360	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 6-22D-12-15	22	120S	150E	4300731361	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-28D-12-15	28	120S	150E	4300731362	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16X-21D-12-15	28	120S	150E	4300731363	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 5A-27D-12-15	28	120S	150E	4300731364	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 1-35D-12-16	35	120S	160E	4300731365	2470 Federal	GW	P	PETERS POINT
PPU FED 1A-28D-12-15	28	120S	150E	4300731368	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14A-18D-12-15	18	120S	150E	4300731393	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-18D-12-15	18	120S	150E	4300731394	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 15A-18D-12-15	18	120S	150E	4300731395	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16A-18D-12-15	18	120S	150E	4300731396	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-22D-12-15	22	120S	150E	4300731398	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 11-22D-12-15	22	120S	150E	4300731399	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 14-22D-12-15	22	120S	150E	4300731400	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 4A-27D-12-15	22	120S	150E	4300731401	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 13-26D-12-16	26	120S	160E	4300731403	2470 Federal	GW	P	PETERS POINT
PPU FED 15-26D-12-16	26	120S	160E	4300731404	2470 Federal	GW	P	PETERS POINT
PPU FED 3-35D-12-16	26	120S	160E	4300731405	2470 Federal	GW	P	PETERS POINT
PPU FED 10-26D-12-16	26	120S	160E	4300731406	2470 Federal	GW	P	PETERS POINT
PPU FED 11-26D-12-16	26	120S	160E	4300731407	2470 Federal	GW	P	PETERS POINT
PPU FED 12-26D-12-16	26	120S	160E	4300731408	2470 Federal	GW	P	PETERS POINT
PPU FED 11-27D-12-16	27	120S	160E	4300731409	2470 Federal	GW	P	PETERS POINT
PPU FED 15-27D-12-16	27	120S	160E	4300731410	2470 Federal	GW	P	PETERS POINT
PPU FED 9-27D-12-16	27	120S	160E	4300731411	2470 Federal	GW	P	PETERS POINT
PPU FED 11-21D-12-15	21	120S	150E	4300731412	14794 Federal	GW	P	PRICKLY PEAR

UDOGM CHANGE OF OPERATOR WELL LIST

PPU FED 6-21D-12-15	21	120S	150E	4300731413	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 12-21D-12-15	21	120S	150E	4300731414	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 8-20D-12-15	20	120S	150E	4300731419	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 1A-20D-12-15	20	120S	150E	4300731420	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 2-20D-12-15	20	120S	150E	4300731421	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 7A-16D-12-15	16	120S	150E	4300731422	14794 State	GW	P	PRICKLY PEAR
PPU ST 6-16D-12-15	16	120S	150E	4300731423	14794 State	GW	P	PRICKLY PEAR
PPU ST 10A-16D-12-15	16	120S	150E	4300731424	14794 State	GW	P	PRICKLY PEAR
PPU ST 3-16D-12-15	16	120S	150E	4300731425	14794 State	GW	P	PRICKLY PEAR
PPU FED 1-34D-12-16	34	120S	160E	4300731427	2470 Federal	GW	P	PETERS POINT
PPU FED 7-34D-12-16	34	120S	160E	4300731428	2470 Federal	GW	P	PETERS POINT
PPU FED 5-35D-12-16	34	120S	160E	4300731429	2470 Federal	GW	P	PETERS POINT
PPU FED 5-21D-12-15	21	120S	150E	4300731451	14794 Federal	GW	P	PRICKLY PEAR
PPU ST 8-16D-12-15	16	120S	150E	4300731455	14794 State	GW	P	PRICKLY PEAR
PPU ST 12-16D-12-15	16	120S	150E	4300731456	14794 State	GW	P	PRICKLY PEAR
PPU ST 12A-16D-12-15	16	120S	150E	4300731457	14794 State	GW	P	PRICKLY PEAR
PPU ST 15A-16D-12-15	16	120S	150E	4300731458	14794 State	GW	P	PRICKLY PEAR
PPU ST 10-16D-12-15	16	120S	150E	4300731459	14794 State	GW	P	PRICKLY PEAR
PPU ST 11A-16D-12-15	16	120S	150E	4300731460	14794 State	GW	P	PRICKLY PEAR
PPU ST 13A-16D-12-15	16	120S	150E	4300731461	14794 State	GW	P	PRICKLY PEAR
PPU FED 3-34D-12-16	34	120S	160E	4300731466	2470 Federal	GW	P	PETERS POINT
PPU FED 5-34D-12-16	34	120S	160E	4300731467	2470 Federal	GW	P	PETERS POINT
PPU FED 4-34D-12-16	34	120S	160E	4300731468	2470 Federal	GW	P	PETERS POINT
PPU FED 10-7D-12-15	07	120S	150E	4300731470	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 15-7D-12-15	07	120S	150E	4300731471	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 9-7D-12-15	07	120S	150E	4300731472	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 16-7D-12-15	07	120S	150E	4300731473	14794 Federal	GW	P	PRICKLY PEAR
PPU FED 10-35D-12-16	35	120S	160E	4300731474	2470 Federal	GW	P	PETERS POINT
PPU FED 9-35D-12-16	35	120S	160E	4300731476	2470 Federal	GW	P	PETERS POINT
PPU ST 6A-16D-12-15	16	120S	150E	4300731477	14794 State	GW	P	PRICKLY PEAR
PPU ST 4-16D-12-15	16	120S	150E	4300731478	14794 State	GW	P	PRICKLY PEAR
PPU ST 4A-16D-12-15	16	120S	150E	4300731479	14794 State	GW	P	PRICKLY PEAR
PPU ST 5A-16D-12-15	16	120S	150E	4300731480	14794 State	GW	P	PRICKLY PEAR
PPU ST 3A-16D-12-15	16	120S	150E	4300731481	14794 State	GW	P	PRICKLY PEAR
PPU ST 16A-16D-12-15	16	120S	150E	4300731484	14794 State	GW	P	PRICKLY PEAR
PPU ST 9A-16D-12-15	16	120S	150E	4300731485	14794 State	GW	P	PRICKLY PEAR
PPU ST 16B-16D-12-15	16	120S	150E	4300731514	14794 State	GW	P	PRICKLY PEAR
PPU ST 14B-16D-12-15	16	120S	150E	4300731515	14794 State	GW	P	PRICKLY PEAR
PPU ST 13B-16D-12-15	16	120S	150E	4300731516	14794 State	GW	P	PRICKLY PEAR
PETERS POINT U FED 9-26D-12-16	25	120S	160E	4300750021	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-25D-12-16	25	120S	160E	4300750022	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-31D-12-17	31	120S	170E	4300750023	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-31D-12-17	31	120S	170E	4300750024	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-31D-12-17	31	120S	170E	4300750025	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-31D-12-17	31	120S	170E	4300750026	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-31D-12-17	31	120S	170E	4300750027	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14A-31D-12-17	31	120S	170E	4300750028	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-25D-12-16	25	120S	160E	4300750029	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-6D-13-17	31	120S	170E	4300750033	2470 Federal	GW	P	PETERS POINT

UDOGM CHANGE OF OPERATOR WELL LIST

PETERS POINT U FED 10-25D-12-16	25	120S	160E	4300750035	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-36D-12-16	36	120S	160E	4300750037	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-36D-12-16	36	120S	160E	4300750038	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 11-1D-13-16	36	120S	160E	4300750039	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-1D-13-16	36	120S	160E	4300750040	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 9-22D-12-15	22	120S	150E	4300750041	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-22D-12-15	22	120S	150E	4300750042	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-22D-12-15	22	120S	150E	4300750043	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-27D-12-15	22	120S	150E	4300750044	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-15D-12-15	15	120S	150E	4300750045	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-15D-12-15	15	120S	150E	4300750046	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-15D-12-15	15	120S	150E	4300750047	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-15D-12-15	15	120S	150E	4300750048	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-15D-12-15	15	120S	150E	4300750049	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1-21D-12-15	21	120S	150E	4300750050	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-21D-12-15	21	120S	150E	4300750051	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2A-21D-12-15	21	120S	150E	4300750052	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-22D-12-15	21	120S	150E	4300750053	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-22D-12-15	21	120S	150E	4300750054	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-21D-12-15	21	120S	150E	4300750056	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-21D-12-15	21	120S	150E	4300750057	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8A-21D-12-15	21	120S	150E	4300750058	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-8D-12-15	08	120S	150E	4300750059	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-8D-12-15	08	120S	150E	4300750060	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-17D-12-15	08	120S	150E	4300750061	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 1A-17D-12-15	08	120S	150E	4300750062	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 3A-34D-12-16	27	120S	160E	4300750063	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 4A-34D-12-16	27	120S	160E	4300750064	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 12-27D-12-16	27	120S	160E	4300750065	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13-27D-12-16	27	120S	160E	4300750066	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 13A-27D-12-16	27	120S	160E	4300750067	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 14-27D-12-16	27	120S	160E	4300750068	18204 Federal	GW	P	
PETERS POINT U FED 14A-27D-12-16	27	120S	160E	4300750069	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR U FED 1-22D-12-15	22	120S	150E	4300750076	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 2-22D-12-15	22	120S	150E	4300750077	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 8-22D-12-15	22	120S	150E	4300750078	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3-17D-12-15	17	120S	150E	4300750079	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-17D-12-15	17	120S	150E	4300750080	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-17D-12-15	17	120S	150E	4300750081	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-17D-12-15	17	120S	150E	4300750082	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5A-17D-12-15	17	120S	150E	4300750083	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6-17D-12-15	17	120S	150E	4300750084	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-17D-12-15	17	120S	150E	4300750085	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 7A-17D-12-15	17	120S	150E	4300750086	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-17D-12-15	17	120S	150E	4300750087	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 9-12D-12-14	12	120S	140E	4300750088	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 10-12D-12-14	12	120S	140E	4300750089	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 15-12D-12-14	12	120S	140E	4300750090	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 16-12D-12-14	12	120S	140E	4300750091	14794 Federal	GW	P	PRICKLY PEAR

UDOGM CHANGE OF OPERATOR WELL LIST

PRICKLY PEAR U FED 3-20D-12-15	20	120S	150E	4300750098	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 3A-20D-12-15	20	120S	150E	4300750099	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4-20D-12-15	20	120S	150E	4300750100	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 4A-20D-12-15	20	120S	150E	4300750101	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 5-20D-12-15	20	120S	150E	4300750102	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6-20D-12-15	20	120S	150E	4300750104	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 6A-20D-12-15	20	120S	150E	4300750105	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 11A-20D-12-15	20	120S	150E	4300750106	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR U FED 12A-20D-12-15	20	120S	150E	4300750107	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT U FED 5-31D-12-17	36	120S	160E	4300750109	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 6-31D-12-17	36	120S	160E	4300750116	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 9X-36D-12-16	36	120S	160E	4300750117	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 1-36D-12-16	36	120S	160E	4300750118	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 10-6D-13-17	06	130S	170E	4300750119	2470 Federal	GW	P	PETERS POINT
PETERS POINT U FED 15-31D-12-17	06	130S	170E	4300750123	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR UF 7A-18D-12-15	17	120S	150E	4300750136	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-18D-12-15	17	120S	150E	4300750137	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9A-18D-12-15	17	120S	150E	4300750138	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 12-20D-12-15	20	120S	150E	4300750139	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16A-8D-12-15	08	120S	150E	4300750140	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 15A-8D-12-15	08	120S	150E	4300750141	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 13A-9D-12-15	08	120S	150E	4300750142	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 13-9D-12-15	08	120S	150E	4300750143	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 12-9D-12-15	08	120S	150E	4300750144	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 10-8D-12-15	08	120S	150E	4300750145	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-8D-12-15	08	120S	150E	4300750146	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 2A-17D-12-15	08	120S	150E	4300750147	14794 Federal	GW	P	PRICKLY PEAR
PETERS POINT UF 12-5D-13-17	06	130S	170E	4300750151	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 13-5D-13-17	06	130S	170E	4300750152	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 13-30D-12-17	30	120S	170E	4300750153	18347 Federal	GW	P	PETERS POINT
PETERS POINT UF 14-30D-12-17	30	120S	170E	4300750154	18350 Federal	GW	P	PETERS POINT
PETERS POINT UF 12-30D-12-17	30	120S	170E	4300750155	18346 Federal	GW	P	PETERS POINT
PETERS POINT UF 11-30D-12-17	30	120S	170E	4300750156	18348 Federal	GW	P	PETERS POINT
PETERS POINT UF 3-31D-12-17	30	120S	170E	4300750157	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 2-31D-12-17	30	120S	170E	4300750158	18349 Federal	GW	P	PETERS POINT
PETERS POINT UF 16-25D-12-16	30	120S	170E	4300750159	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 9-25D-12-16	30	120S	170E	4300750160	2470 Federal	GW	P	PETERS POINT
PRICKLY PEAR UF 1A-22D-12-15	22	120S	150E	4300750171	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 6A-22D-12-15	22	120S	150E	4300750173	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 7A-22D-12-15	22	120S	150E	4300750174	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8A-22D-12-15	22	120S	150E	4300750175	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 14B-15D-12-15	22	120S	150E	4300750176	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 9-9D-12-15	09	120S	150E	4300750195	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 16-9D-12-15	09	120S	150E	4300750202	14794 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 8-14D-12-15	14	120S	150E	4300750216	18289 Federal	GW	P	PRICKLY PEAR
PRICKLY PEAR UF 15-14D-12-15	14	120S	150E	4300750221	18290 Federal	GW	P	PRICKLY PEAR
PETERS POINT UF 7X-36D-12-16	36	120S	160E	4300750231	2470 Federal	GW	P	PETERS POINT
PETERS POINT UF 8-36D-12-16	36	120S	160E	4300750232	2470 Federal	GW	P	PETERS POINT
PETERS POINT ST 6-2D-13-16	02	130S	160E	4300731017	14472 State	D	PA	

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PTS 33-36 STATE	36	110S	140E	4301330486	6190 State	GW	PA	ARGYLE
PRICKLY PEAR U FED 10-4	10	120S	140E	4300730823	14462 Federal	GW	S	
PRICKLY PEAR U FASSELIN 5-19-12-15	19	120S	150E	4300730860	14853 Fee	GW	S	
PRICKLY PEAR U ST 5-16	16	120S	150E	4300730943	14794 State	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 7-33D-12-15	33	120S	150E	4300730985	14771 Federal	GW	S	
PETERS POINT ST 8-2D-13-16	02	130S	160E	4300731016	14471 State	GW	S	
PPU FED 4-35D-12-15	35	120S	150E	4300731285	16223 Federal	GW	S	PRICKLY PEAR
PPU FED 5-36D-12-16	36	120S	160E	4300731350	2470 Federal	GW	S	PETERS POINT
PRICKLY PEAR U FED 5A-20D-12-15	20	120S	150E	4300750103	14794 Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR U FED 13A-17D-12-15	20	120S	150E	4300750108	14794 Federal	GW	S	PRICKLY PEAR
PRICKLY PEAR UF 2A-22D-12-15	22	120S	150E	4300750172	14794 Federal	GW	S	PRICKLY PEAR