001

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. MINERAL LEASE NO: ML-22798
6. SURFACE: State

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME:

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

8. UNIT or CA AGREEMENT NAME:

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.

9. WELL NAME and NUMBER: STATE #1022-32P

3. ADDRESS OF OPERATOR: P.O. BOX 1148 CITY VERNAL STATE UT ZIP 84078
PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 846'FSL & 498'FEL 4417640Y 39.90044 632063X -109.45518
AT PROPOSED PRODUCING ZONE:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 10S 22E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 31.5 MILES SOUTHEAST OF OURAY, UTAH

12. COUNTY: UINTAH
13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): 498'
16. NUMBER OF ACRES IN LEASE: 640
17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): REFER TO TOPO C
19. PROPOSED DEPTH: 8,500
20. BOND DESCRIPTION: RLB0005

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5656'GL
22. APPROXIMATE DATE WORK WILL START:
23. ESTIMATED DURATION:

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4	9 5/8	H-40	32.3	250	110 SX CLASS G
7 7/8	4 1/2	J-55	11.6	8,500	LEAD CMT 380 SX PREM LITE II
					TAIL CMT 1390 SX 50/50 POZ

25. **ATTACHMENTS**

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

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego DATE 9/12/2003

(This space for State use only)

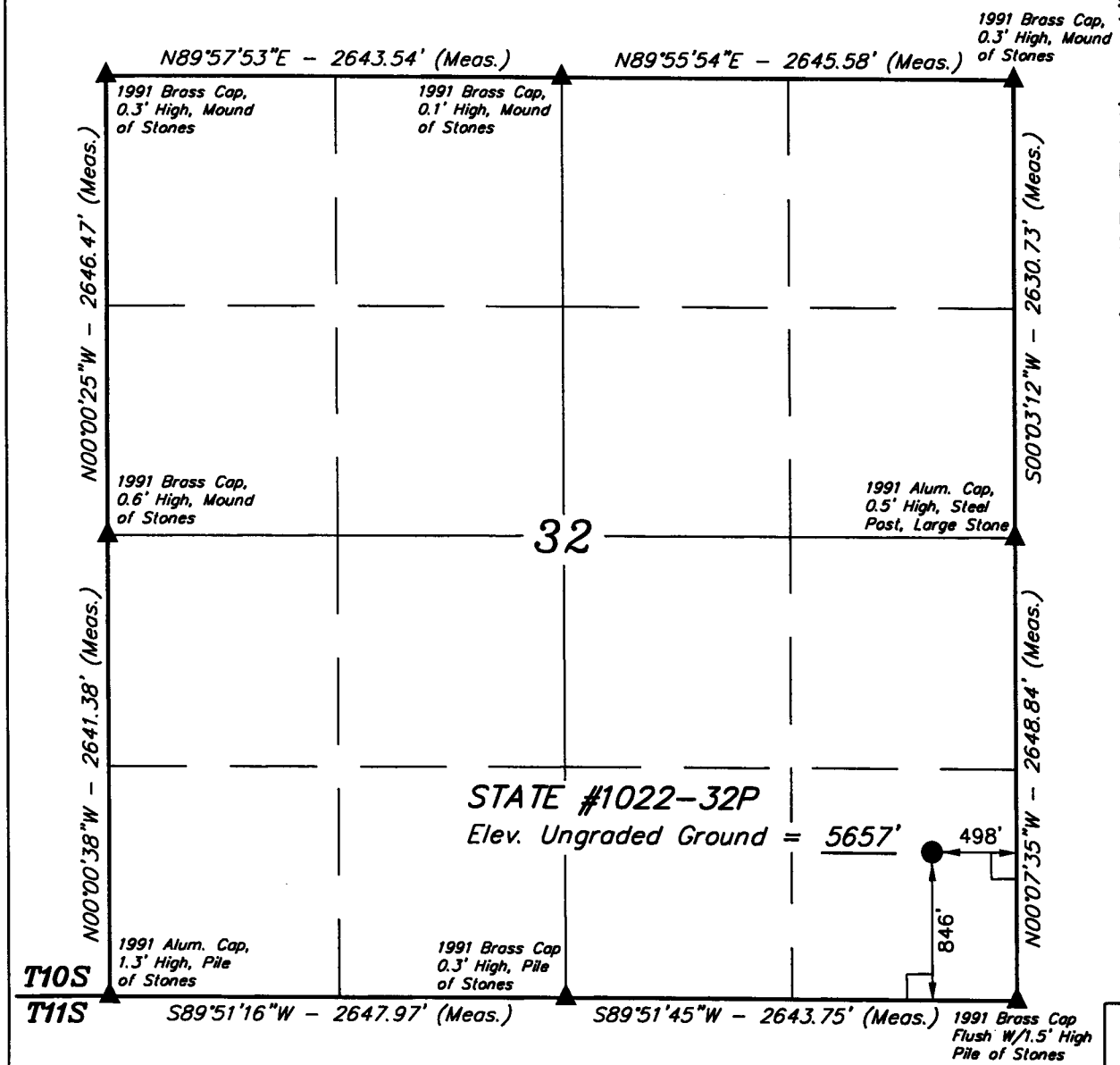
API NUMBER ASSIGNED: 43-047-35186

Approved by the Utah Division of Oil, Gas and Mining
Date: 10-21-03
By: [signature]
(See Instructions on Reverse Side)

RECEIVED
SEP 15 2003
DIV. OF OIL, GAS & MINING

(11/2001)

T10S, R22E, S.L.B.&M.



WESTPORT OIL AND GAS COMPANY,

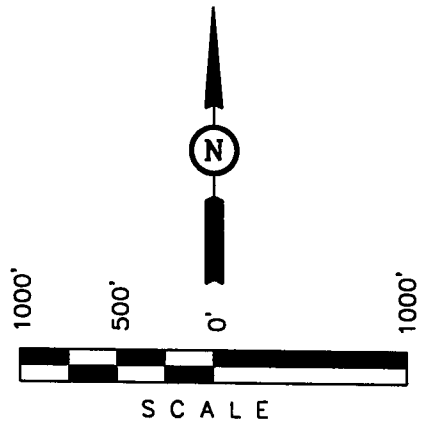
Well location, STATE #1022-32P, located as shown in the SE 1/4 SE 1/4 of Section 32, T10S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

BASIS OF BEARINGS

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



CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 39°54'01.84" (39.900511)
LONGITUDE = 109°27'21.08" (109.455856)

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

SCALE 1" = 1000'	DATE SURVEYED: 8-18-03	DATE DRAWN: 8-27-03
PARTY J.F. A.F. C.G.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE WESTPORT OIL AND GAS COMPANY, L.P.	

STATE #1022-32P
SE/SE Sec. 32,T8S,R22E
UINTAH COUNTY, UTAH
ML-22798

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	Surface
Green River	992'
Wasatch	4042'
Mesaverde	6442'
TD	8500'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	992'
Gas	Wasatch	4042'
Gas	Mesaverde	6442'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the attached Drilling Program.

4. **Proposed Casing & Cementing Program:**

Please see the attached Drilling Program

5. **Drilling Fluids Program:**

Please see the attached Drilling Program.

6. **Evaluation Program:**

Please see the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8500' TD, approximately equals 3400 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1870 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see the attached Drilling Program.

10. **Other Information:**

Please see the attached Drilling Program.

Westport Oil and Gas Company, L.P.

DRILLING PROGRAM

COMPANY NAME	Westport Oil and Gas Co., L.P.	DATE	September 11, 2003
WELL NAME	**STATE 1022-32P**	TD	8,500' MD/TVD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah
ELEVATION	5,656' GL	KB 5,671'	
SURFACE LOCATION	846' FSL, 498' FEL, SESE, SEC. 32, T10S, R22E	BHL	Straight Hole
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: UDOGM (Surface and Minerals), BLM, Tri-County Health Dept.		

LOGS	GEOLOGICAL FORMATION TOPS	DEPTH	MECHANICAL HOLE SIZE	CASING SIZE	MUD WEIGHT
		20'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
		Preset f/ GL @ 250 MD			
	Catch water sample if water is encountered from 250' to 4042'.				
	Green River @	**992**			
	4 1/2" M80 csg from 0 to	**2,000'**			
Mud logging program TBD Logging program TBD			7-7/8"	4-1/2", 11.6#, J-55, LTC	Air Mist/Polymer Aerated Water/Brine 8.3-10.0 ppg
	Wasatch @	**4,042'**			
	Mverde @	**6,442'**			
		TD @ 8,500'			Max anticipated Mud required 10.0 ppg

Westport Oil and Gas Company, L.P.

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-20'						
						2270	1370	254000
SURFACE	9-5/8"	0 to 250	32.30	H-40	STC	16.19	11.71	4.37
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 2000	11.60	M-80	LTC	3.05	6.11	2.34
						5350	4960	162000
PRODUCTION	4-1/2"	2000 to 8500	11.60	J-55	LTC	1.79	1.12	2.46

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Int Casing) = Pore Pressure at Next Casing Point - (.22 psi/ft-partial evac gradient x TVD of next csg point)

3) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: Max Pore Press @ TD = 10.0 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 2550

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE		250	Class G + 2% CaCl2 + 0.25 pps celloflake	110	35%	15.80	1.16
PRODUCTION	LEAD	3,540'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	380	60%	11.00	3.38
	TAIL	4,960'	50/50 Poz/G + 10% salt + 2% gel	1390	60%	14.30	1.31

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER: _____ **DATE:** _____

Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

STATE #1022-32P
SE/SE Sec. 32, T10S-R22E
Uintah County, UT
ML-22798

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Refer to Topo Maps A and B for location of access roads within a 2 mile radius.

Improvements to existing access roads shall be determined at the on-site inspection.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. **Planned Access Roads:**

Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, ***unless modified at the on-site inspection***. Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo D for the proposed pipeline.

5. **Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. ***The need for a reserve pit liner will be determined at the on-site inspection.***

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled By truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). ***This section is subject to modification as a result of the on-site inspection.***

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

If it is determined that a pit liner will be used at the on-site inspection, the reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. **Surface Ownership:**

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. **Other Information:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been completed and a copy of this report is attached.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. **Lessee's or Operators's Representative & Certification:**

Sheila Upchego
Regulatory Analyst
Westport O&G Co. L.P.
P.O. Box 1148
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Westport O&G Co. L.P.
P.O. Box 1148
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Westport O& GCo. L.P. is considered to be the operator of the subject well. Westport O& G Co. L.P agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Westport O&G Co. L.P. State Surety Bond: RLB0005.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

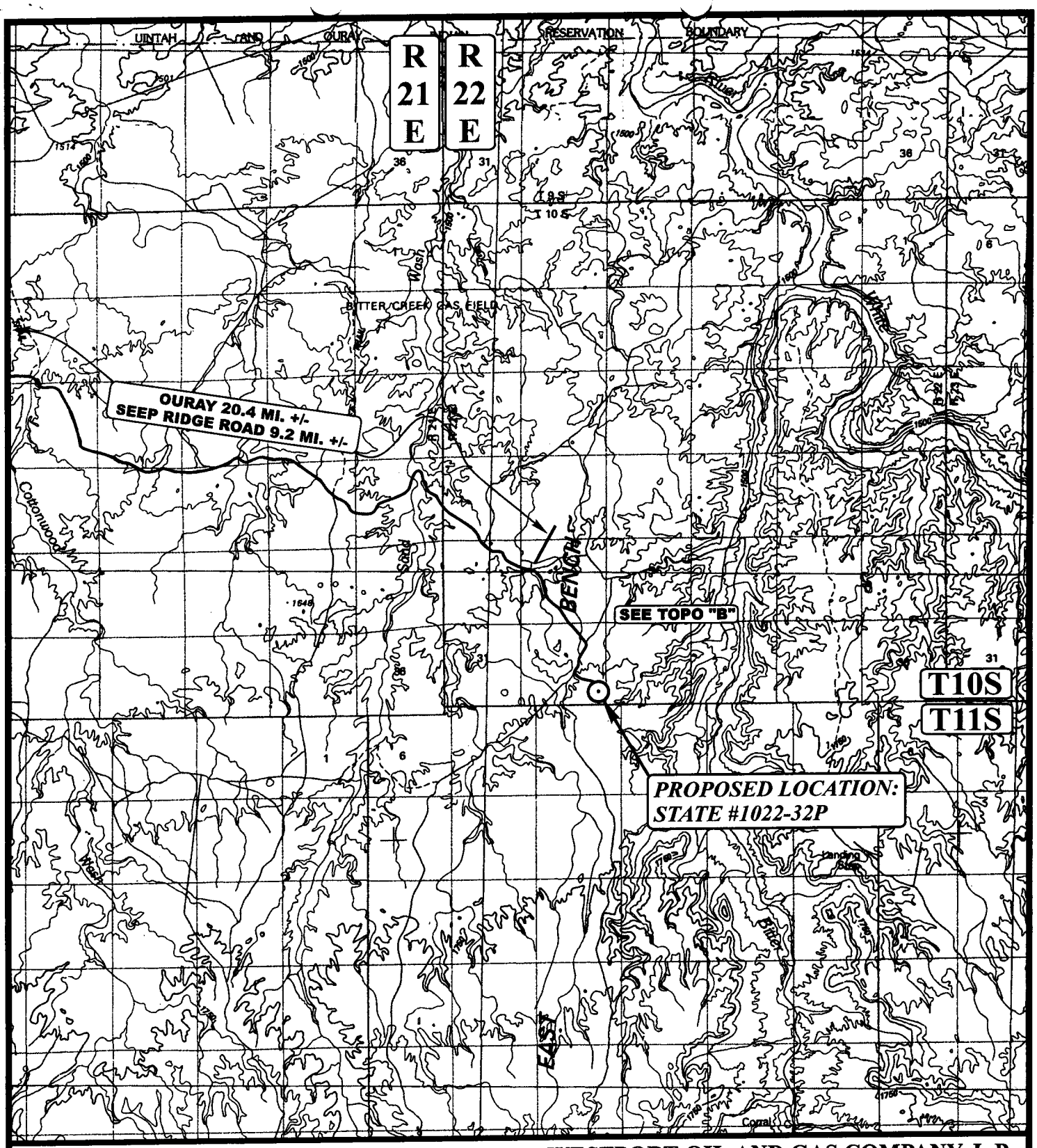
Sheila Upchego

9/12/03
Date

WESTPORT OIL AND GAS COMPANY, L.P.
STATE #1022-32P
SECTION 32, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED ALONG THE SEEP RIDGE ROAD APPROXIMATELY 11.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 53.3 MILES.



LEGEND:

⊙ PROPOSED LOCATION

N

WESTPORT OIL AND GAS COMPANY, L.P.

STATE #1022-32P

SECTION 32, T10S, R22E, S.L.B.&M.

846' FSL 498' FEL

UELS

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

TOPOGRAPHIC MAP	8 MONTH	20 DAY	03 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: K.G.	REVISED: 00-00-00		

WESTPORT OIL AND GAS COMPANY, L.P.

STATE #1022-32P

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R22E, S.L.B.&M.

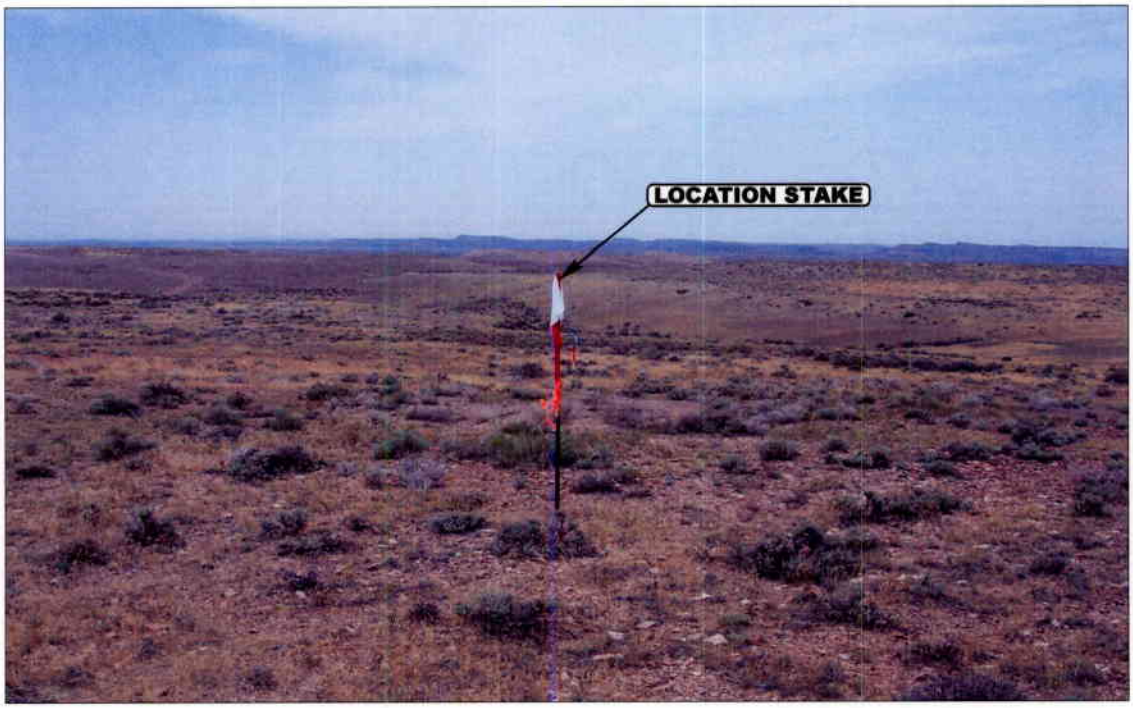


PHOTO: VIEW OF WELL LOCATION STAKE **CAMERA ANGLE: NORTHWESTERLY**

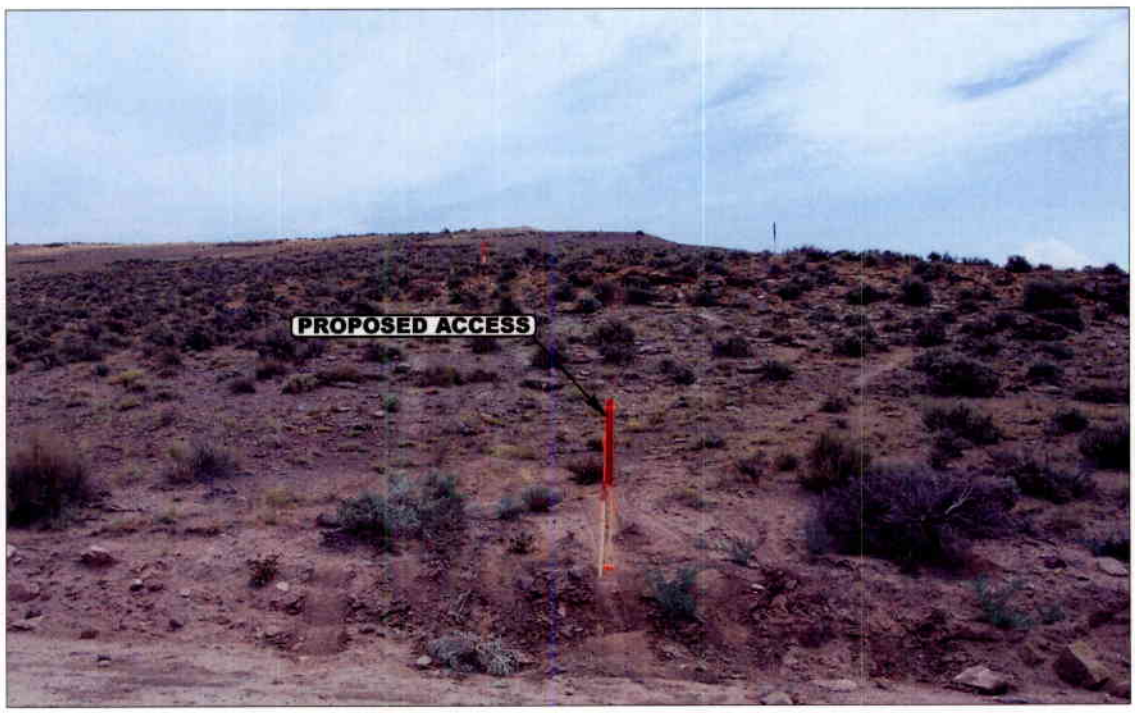
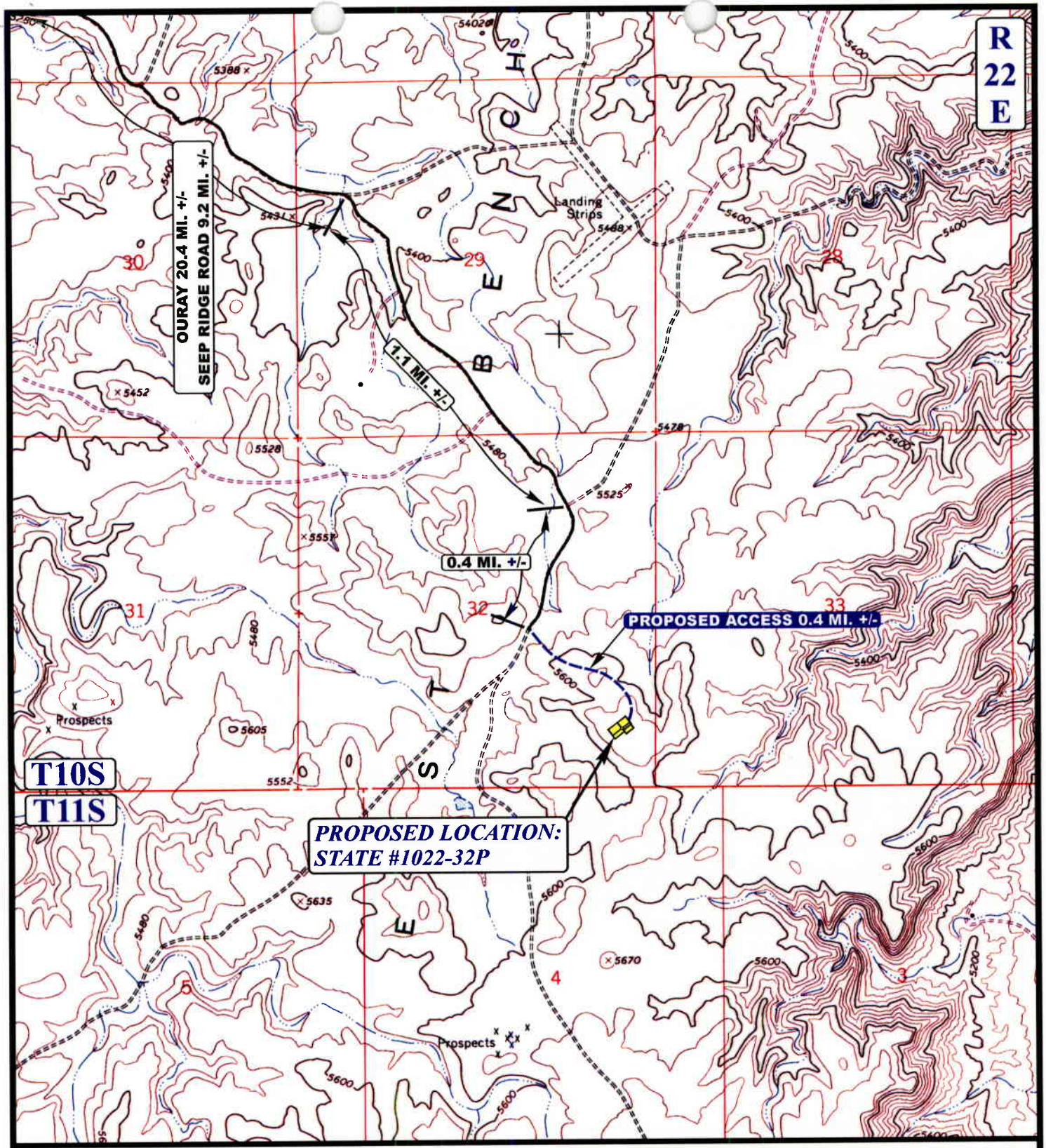


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: SOUTHEASTERLY**

- Since 1964 -

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	8 MONTH	20 DAY	03 YEAR	PHOTO
TAKEN BY: J.F.	DRAWN BY: K.G.	REVISED: 00-00-00		



LEGEND:

PROPOSED ACCESS ROAD

EXISTING ROAD

N

WESTPORT OIL AND GAS COMPANY, L.P.

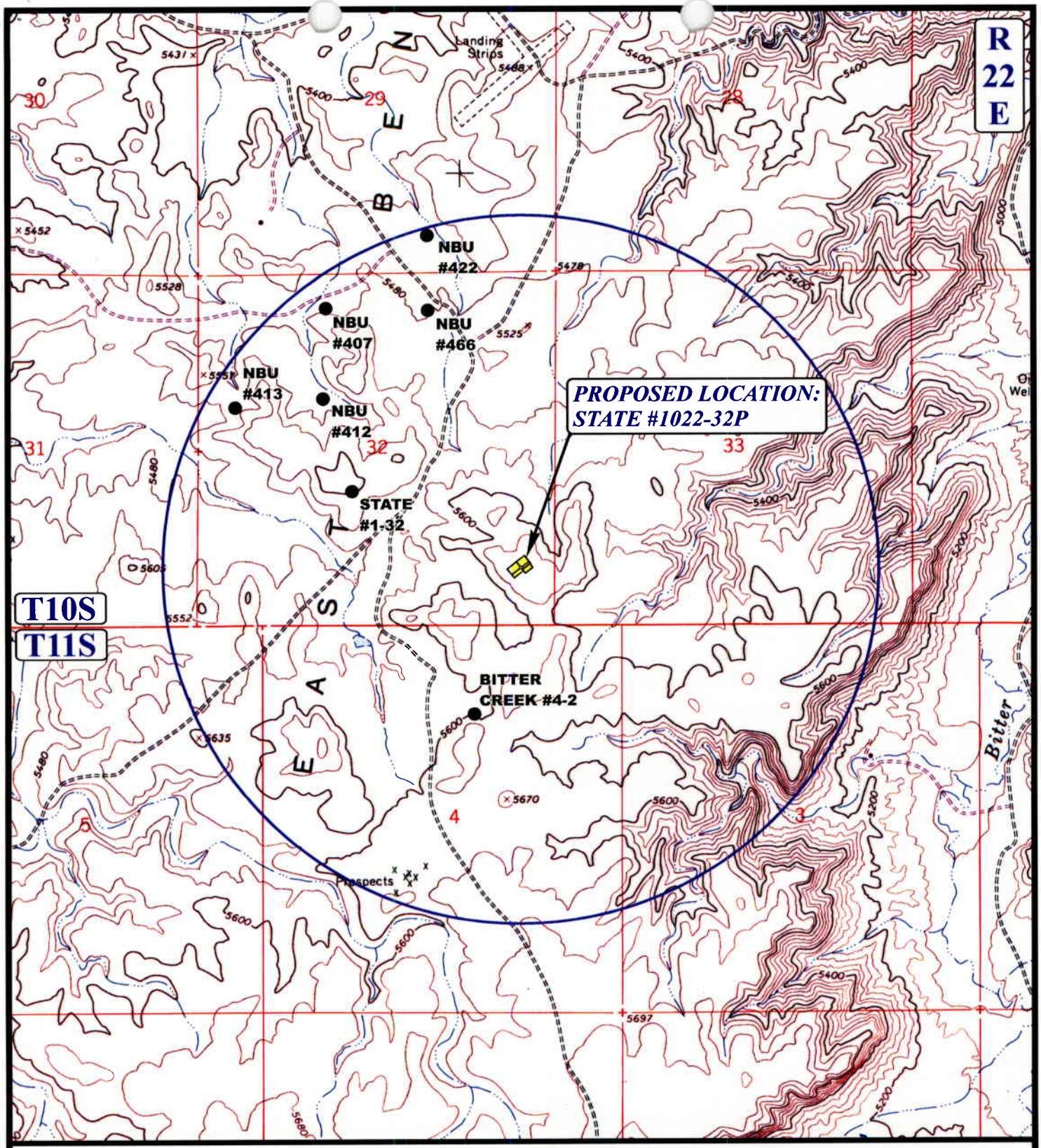
STATE #1022-32P

SECTION 32, T10S, R22E, S.L.B.&M.

846' FSL 498' FEL

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

TOPOGRAPHIC MAP	8 MONTH	20 DAY	03 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: K.G.	REVISED: 00-00-00		



LEGEND:

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

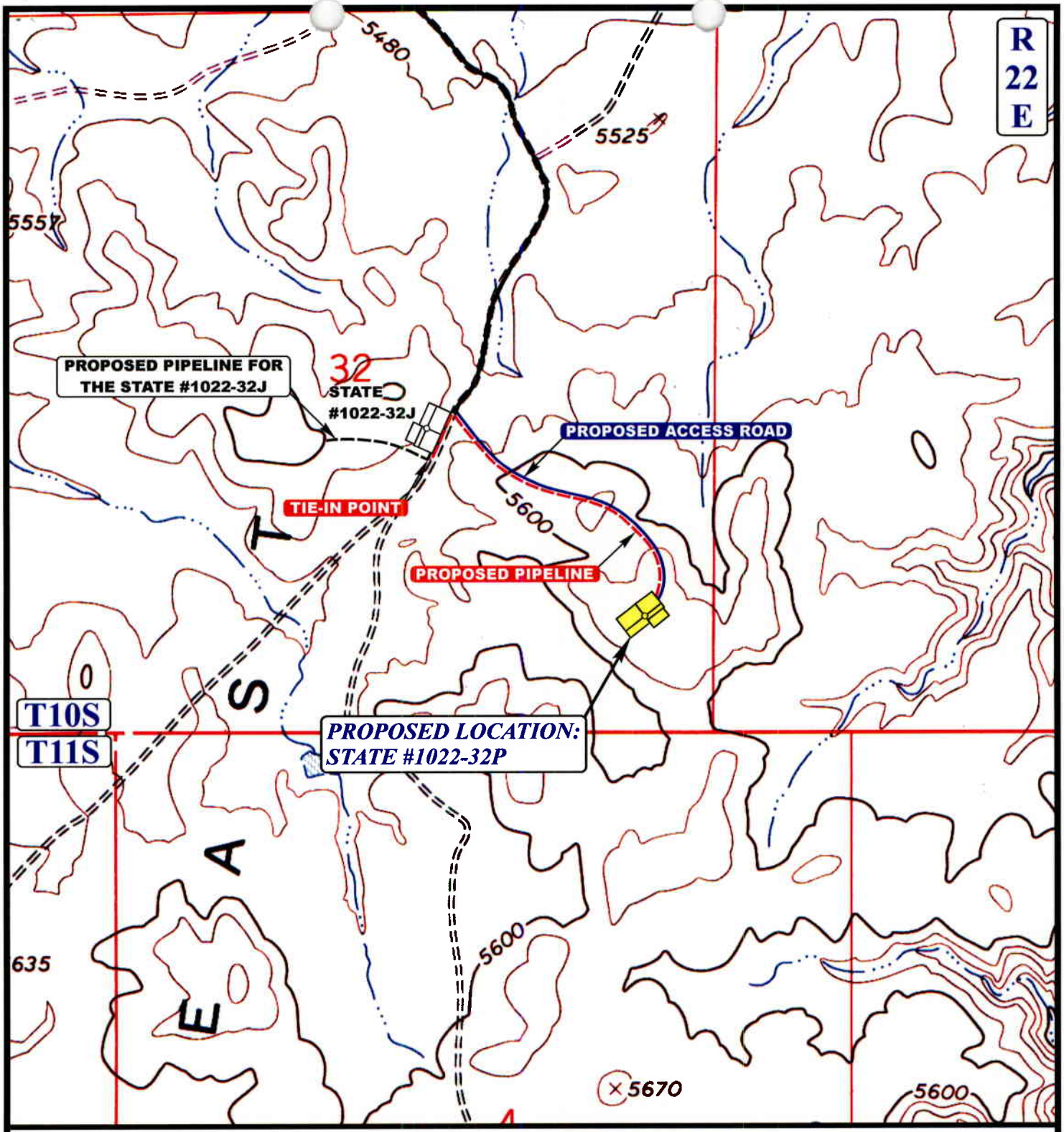
N

WESTPORT OIL AND GAS COMPANY, L.P.

STATE #1022-32P
SECTION 32, T10S, R22E, S.L.B.&M.
846' FSL 498' FEL

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

TOPOGRAPHIC MAP	8 MONTH	20 DAY	03 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: K.G.	REVISED: 00-00-00		



APPROXIMATE TOTAL PIPELINE DISTANCE = 2,600' +/-

LEGEND:

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS

N

WESTPORT OIL AND GAS COMPANY, L.P.

STATE #1022-32P
SECTION 32, T10S, R22E, S.L.B.&M.
846' FSL 498' FEL

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

TOPOGRAPHIC MAP	8 MONTH	20 DAY	03 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: K.G.	REVISED: 00-00-00		

WESTPORT OIL AND GAS COMPANY, L.P.

LOCATION LAYOUT FOR

STATE #1022-32P
SECTION 32, T10S, R22E, S.L.B.&M.
846' FSL 498' FEL

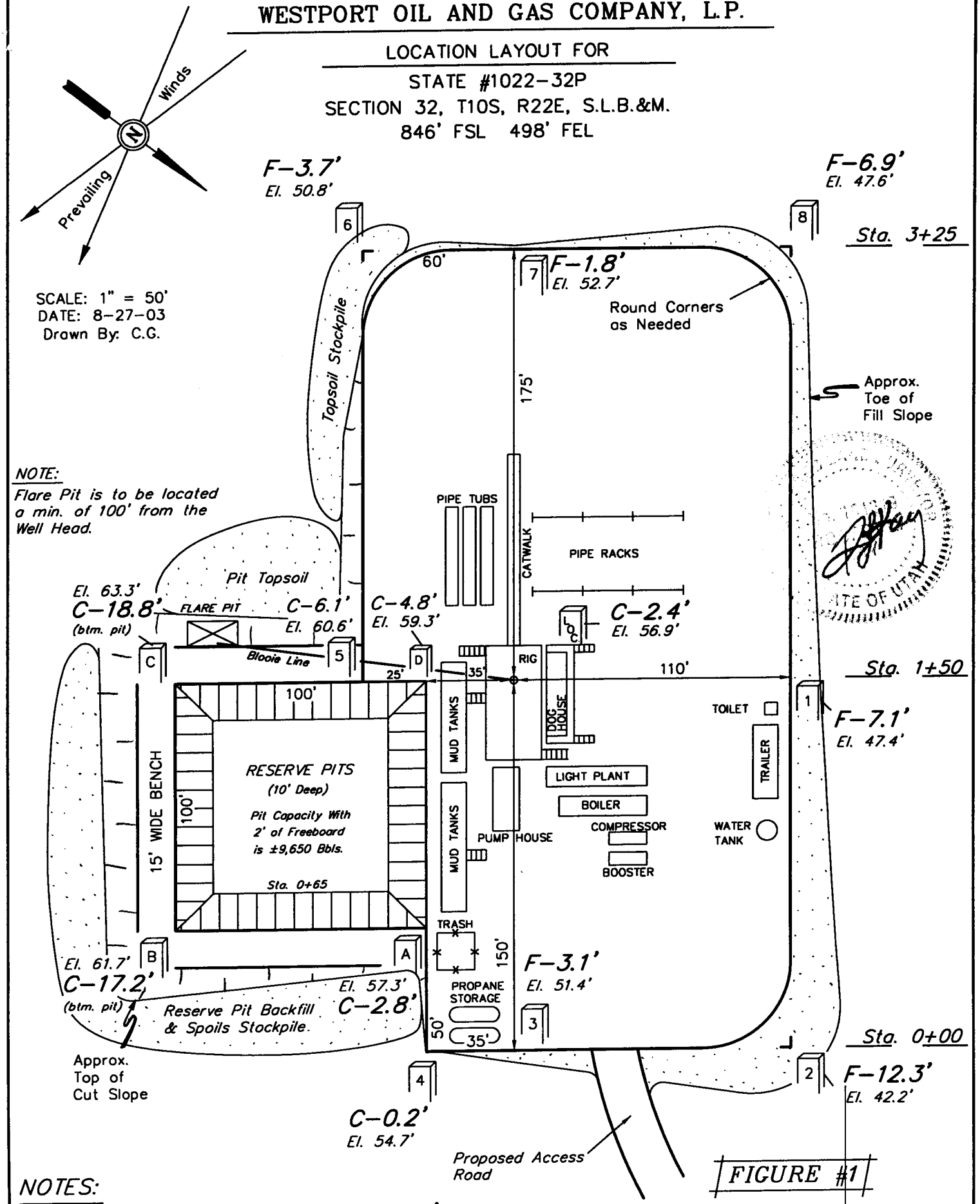


FIGURE #1

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5656.9'
FINISHED GRADE ELEV. AT LOC. STAKE = 5654.5'

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

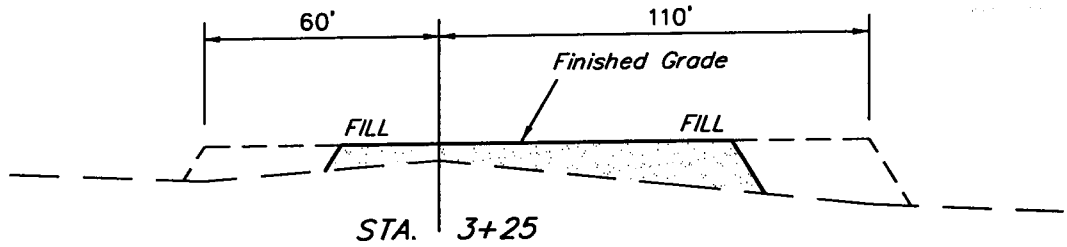
WESTPORT OIL AND GAS COMPANY, L.P.

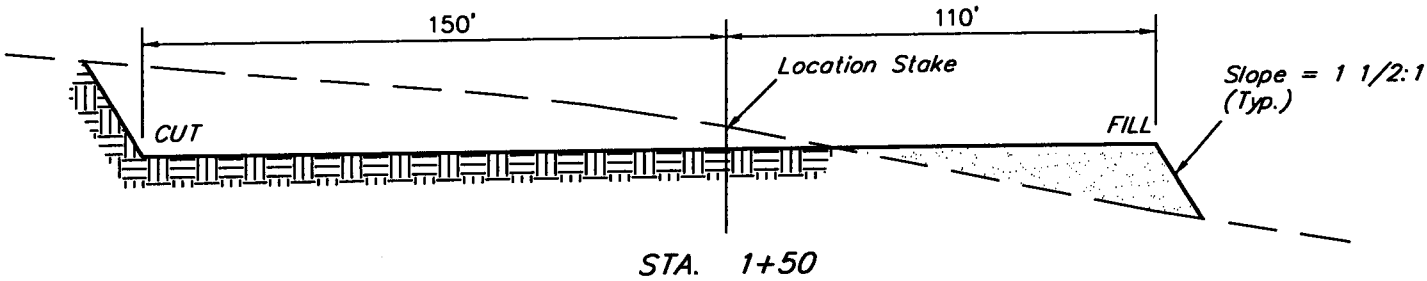
TYPICAL CROSS SECTIONS FOR

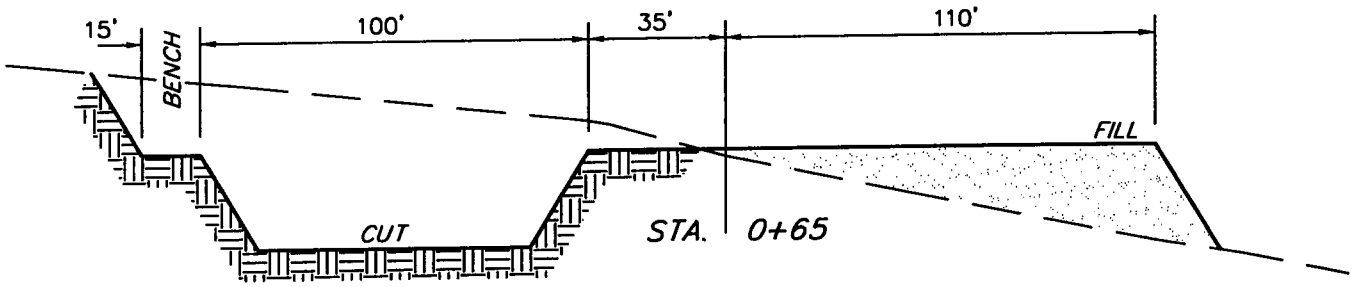
STATE #1022-32P
SECTION 32, T10S, R22E, S.L.B.&M.
846' FSL 498' FEL

1" = 20'
X-Section Scale
1" = 50'

DATE: 8-27-03
Drawn By: C.G.







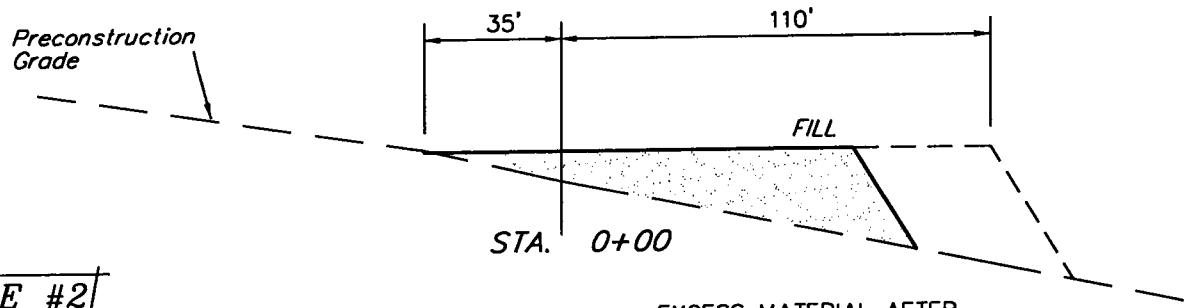


FIGURE #2

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,220 Cu. Yds.
Remaining Location = 8,010 Cu. Yds.

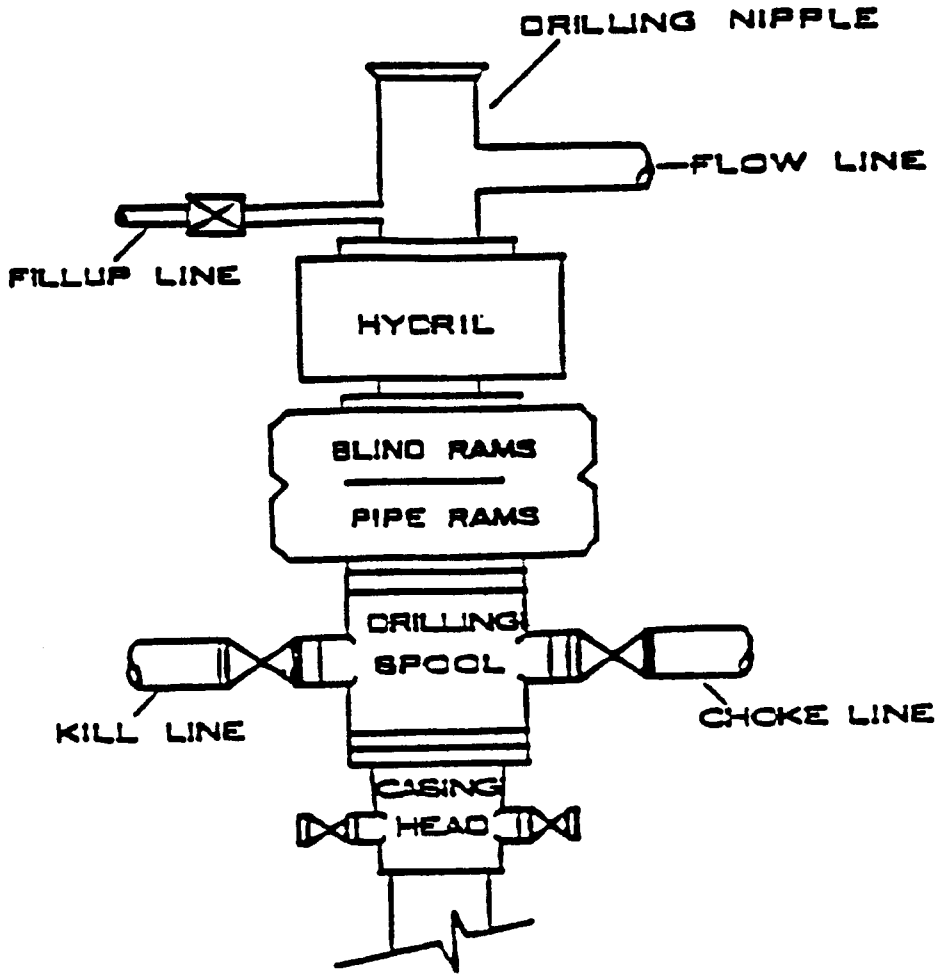
TOTAL CUT = 9,230 CU.YDS.
FILL = 6,340 CU.YDS.

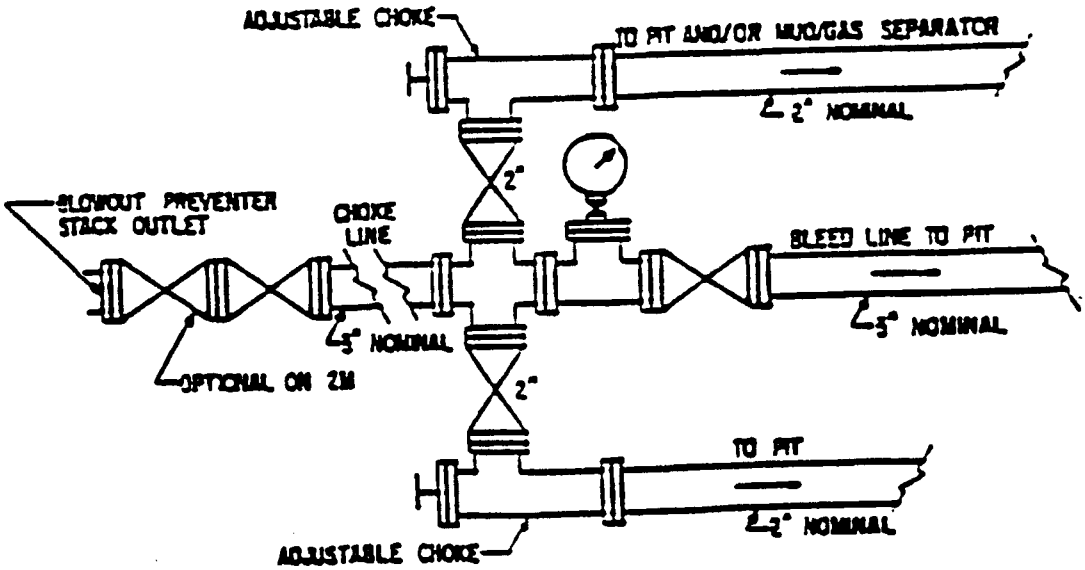
EXCESS MATERIAL AFTER 5% COMPACTION = 2,560 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 2,560 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation) = 0 Cu. Yds.

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

3,000 PSI

BOP STACK





CULTURAL RESOURCE INVENTORY OF WESTPORT OIL & GAS COMPANY'S BONANZA #1023-7L, NBU #1021-14L, NBU #1021-15I SOUTHMAN CANYON #923-31H, SOUTHMAN CANYON #923-31P AND STATE #1022-32P WELL LOCATIONS UINTAH COUNTY, UTAH

BY:

Keith R. Montgomery

Prepared For:

Bureau of Land Management
Vernal Field Office
and
State of Utah
School and Institutional Trust Lands Administration

Prepared Under Contract With:

Westport Oil and Gas Company
1368 South 1200 East
Vernal, Utah 84078

Prepared By:

Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 03-145

August 31, 2003

United States Department of Interior (FLPMA)
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-03-MQ-0802b,s

INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) in August 2003 for six proposed Westport Oil and Gas Company well locations, Uinitah County, Utah. The well locations area designated: Bonanza #1023-7L, NBU #1021-14L, NBU #1021-15I, Southman Canyon #923-31H, Southman Canyon #923-31P, and State #1022-32P. The survey was implemented at the request of Mr. Carroll Estes, Westport Oil and Gas Company, Vernal, Utah. The project is situated on land administered by the Bureau of Land Management (BLM), Vernal Field Office, and State of Utah Trust Lands Administration (SITLA).

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventory was implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and Utah State Antiquities Act of 1973 (amended 1990).

The fieldwork was performed between August 24 and 27, 2003 by Keith R. Montgomery, (Principal Investigator) under the auspices of U.S.D.I. (FLPMA) Permit No. 03-UT-60122 and State of Utah Antiquities Permit (Survey) No. U-03-MQ-0802b,s issued to MOAC.

A file search was performed by Keith Montgomery at the BLM Vernal Field Office on August 25, 2003. This consultation indicated that several archaeological inventories have been completed in or near the project area. In 1978, Archeological-Environmental Research Corporation (AERC) completed the Natural Buttes Cultural Mitigation Study finding numerous prehistoric and historic sites, none of which occur in the immediate project area (Hauck, Weder, and Kennette 1979). The Cultural Resource Management Services of Brigham Young University completed a survey for TOSCO Corporation in 1981, finding many archaeological sites, none of which occur within the current inventory area (Nielson 1981). In 1990, Metcalf Archaeological Consultants, Inc. (MAC) inventoried well locations for Coastal Oil & Gas, finding five archaeological sites (42Un1817, 42Un1818, 42Un1819, 42Un1820, and 42Un1822) (Scott 1991). MAC completed several more well locations nearby, for Coastal Oil & Gas Corporations in 1991, finding one new archaeological site (42Un1831) (O'Brien, Lubinski, and Scott 1991). In 2002, MOAC inventoried seven El Paso Oil & Gas well locations in T 10S, R 22E in which a late Paleoindian site was documented (42Un3167) to the north of the current project area (Montgomery and Ball 2002). In 2002, TRC Mariah completed an inventory of a Veritas 2D Seismic project finding an ineligible historic site (42Un3033) near the current project area (Smith 2002). In 2003 MOAC surveyed five well locations for Westport Oil and Gas Company (Nicolson and Montgomery 2003). In T 9S, R 23E, Section 31 a previously recorded historic trash scatter (42Un3033) was located. During the same year MOAC completed an inventory for Westport Oil and Gas Company in which two ineligible historic sites (42Un3247 and 42 Un3248) were documented in T 10S, R 22E, Section 32 (Montgomery and Montgomery 2003). Also in 2003, MOAC surveyed five well locations for Westport Oil and Gas Company, finding no cultural resources (Montgomery 2003). In summary, while several archaeological sites have been documented in the area; none of these occur in the current inventory area.

DESCRIPTION OF PROJECT AREA

The six proposed Westport Oil & Gas Company's well locations, access and pipeline corridors are situated in the Natural Buttes Field, southeast of Ouray, Utah. The legal description is Township 9S, Range 23E, Section 31; Township 10S, Range 21E, Sections 14 and 15; Township 10S, Range 22E, Section 32; and Township 10S, Range 23E, Section 7; (Figures 1, 2 and 3; Table 1).

Table 1. Westport Oil & Gas Company's Six Well Locations.

Well Location Designation	Legal Location	Access/Pipeline	Cultural Resources
Bonanza 1023-7L	T 10S, R 23E, S. 7 NW/SW	Pipeline 1300'	None
NBU #1021-14L	T 10S, R 21E, S. 14 SW/SW	Access/Pipeline 600'	None
NBU #1021-15I	T 10S, R 21E, S. 15 NE/SE	Pipeline 2000'	None
Southman Canyon #923-31H	T 9S, R 23E, S. 31 SE/NE	Access/Pipeline 1100'	IF-A
Southman Canyon #923-31P	T 9S, R 23E, S. 31 SE/SE	Access/Pipeline 1400'	None
State #1022-32P	T 10S, R 22E, S. 32 SE/SE	Access/Pipeline 2500'	None

Environment

The study area lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). The Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. The geology is comprised of Tertiary age deposits which include Paleocene age deposits, and Eocene age fluvial and lacustrine sedimentary rocks. The Uinta Formation, which is predominate in the project area, occurs as eroded outcrops formed by fluvial deposited, stream laid interbedded sandstone and mudstone, and is known for its prolific paleontological localities.

Specifically, the project area occurs southeast of Ouray in Uintah County, Utah. The proposed well locations occur on East Bench, the Bitter Creek Gas Field, and the Southman Canyon Gas Field. This area is characterized by valley floors interspersed by flat topped buttes and narrow steep-sided ridges. The area is heavily dissected and carved by ephemeral drainages. Surface geology consists of hard pan residual soil armored with shale and sandstone pebbles. The nearest permanent water source is the White River. Elevation ranges are between 5100 ft and 5600 ft a.s.l. The project occurs within the Upper Sonoran Desert Shrub Association which includes sagebrush, shadscale, greasewood, mat saltbush, snakeweed, rabbitbrush, prickly pear cactus, Indian ricegrass and other grasses. Modern disturbances include roads and oil/gas development.

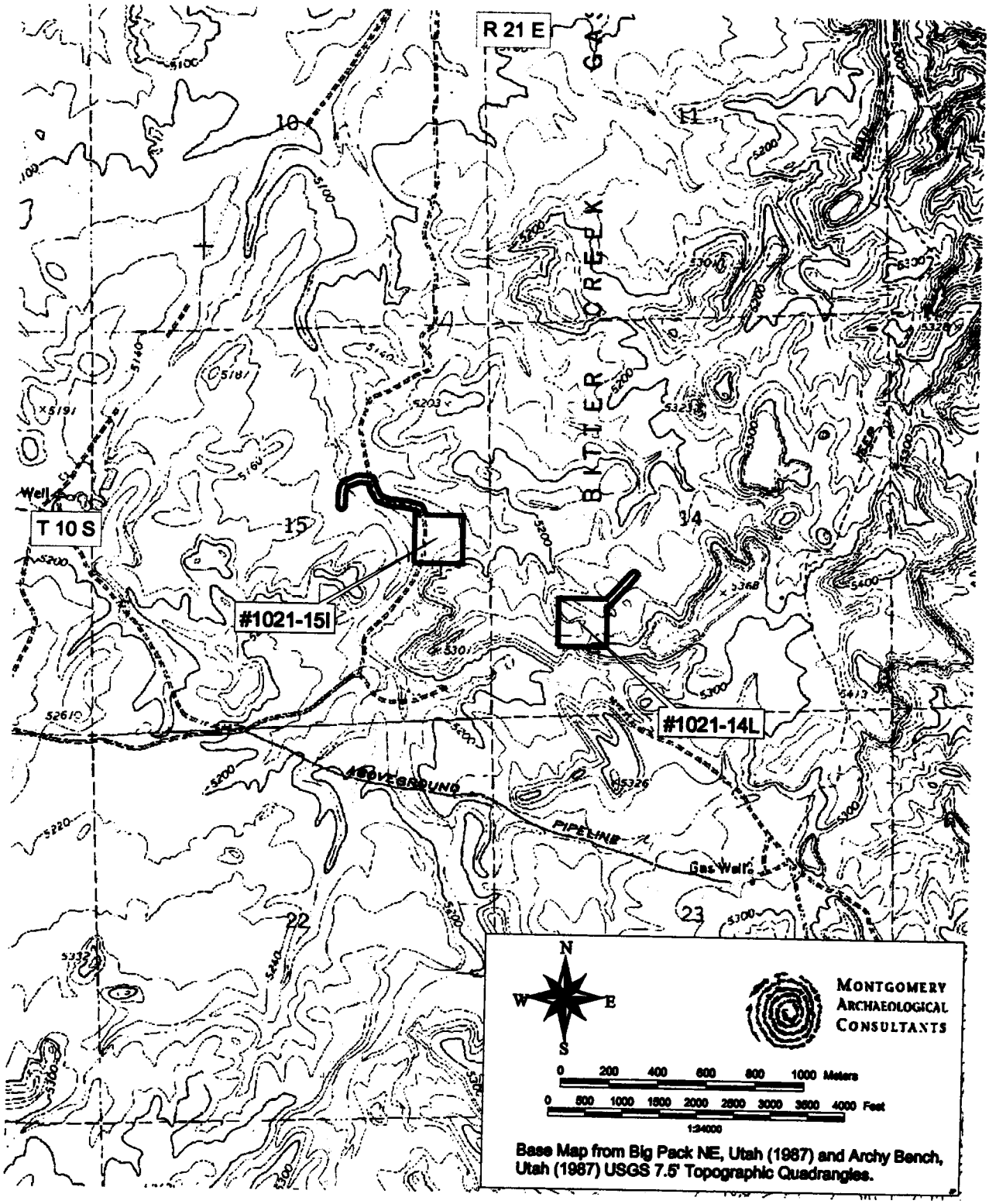


Figure 1. Inventory Area of Westport Oil & Gas Company's NBU #1021-14L and NBU #1021-15I Well Locations, Uintah Co., UT.

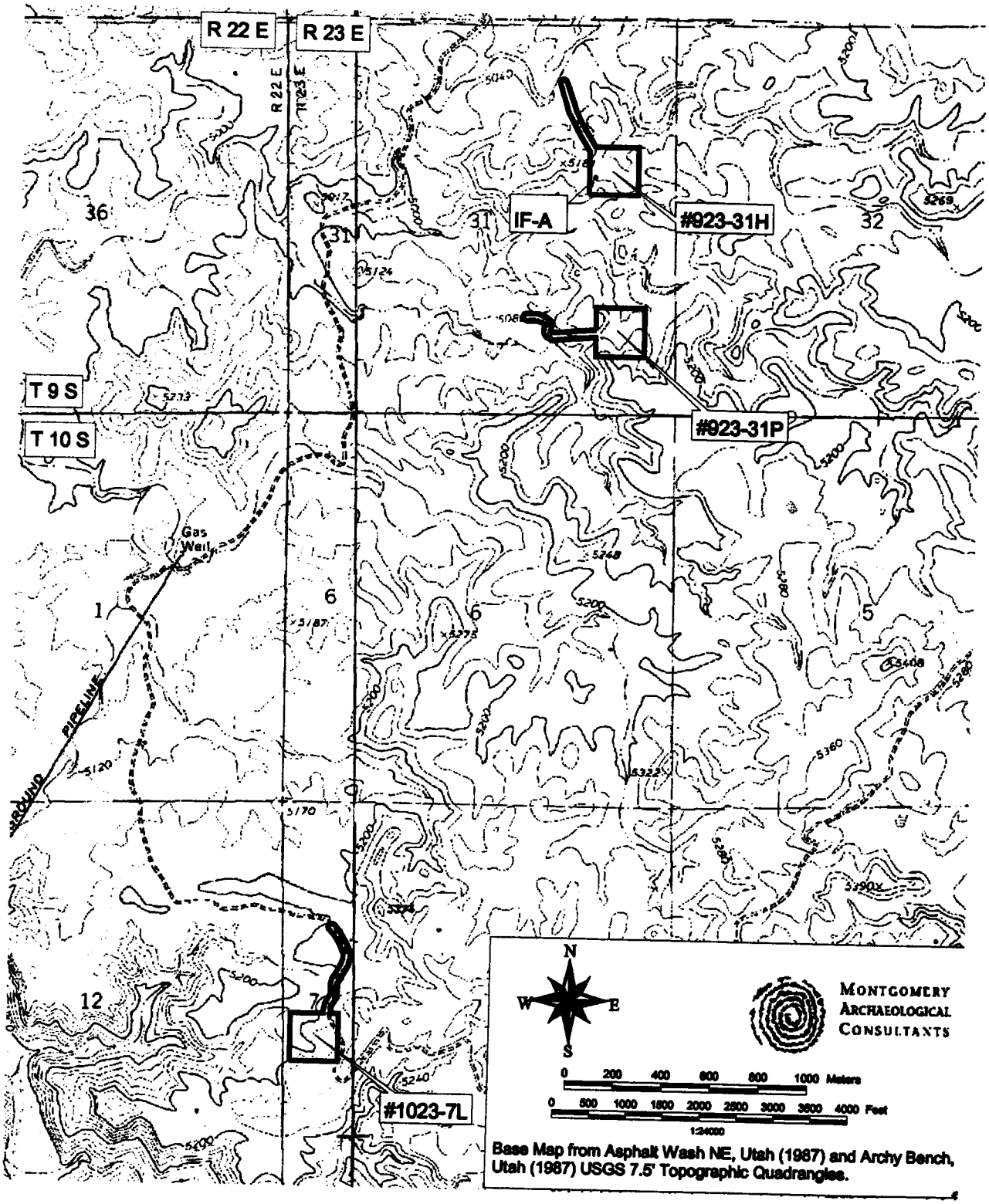


Figure 2. Inventory Area of Westport Oil & Gas Company's Southman Canyon #923-31H, Southman Canyon #923-31P, and Bonanza #1023-7L Well Locations with Cultural Resource, Uintah Co., UT.

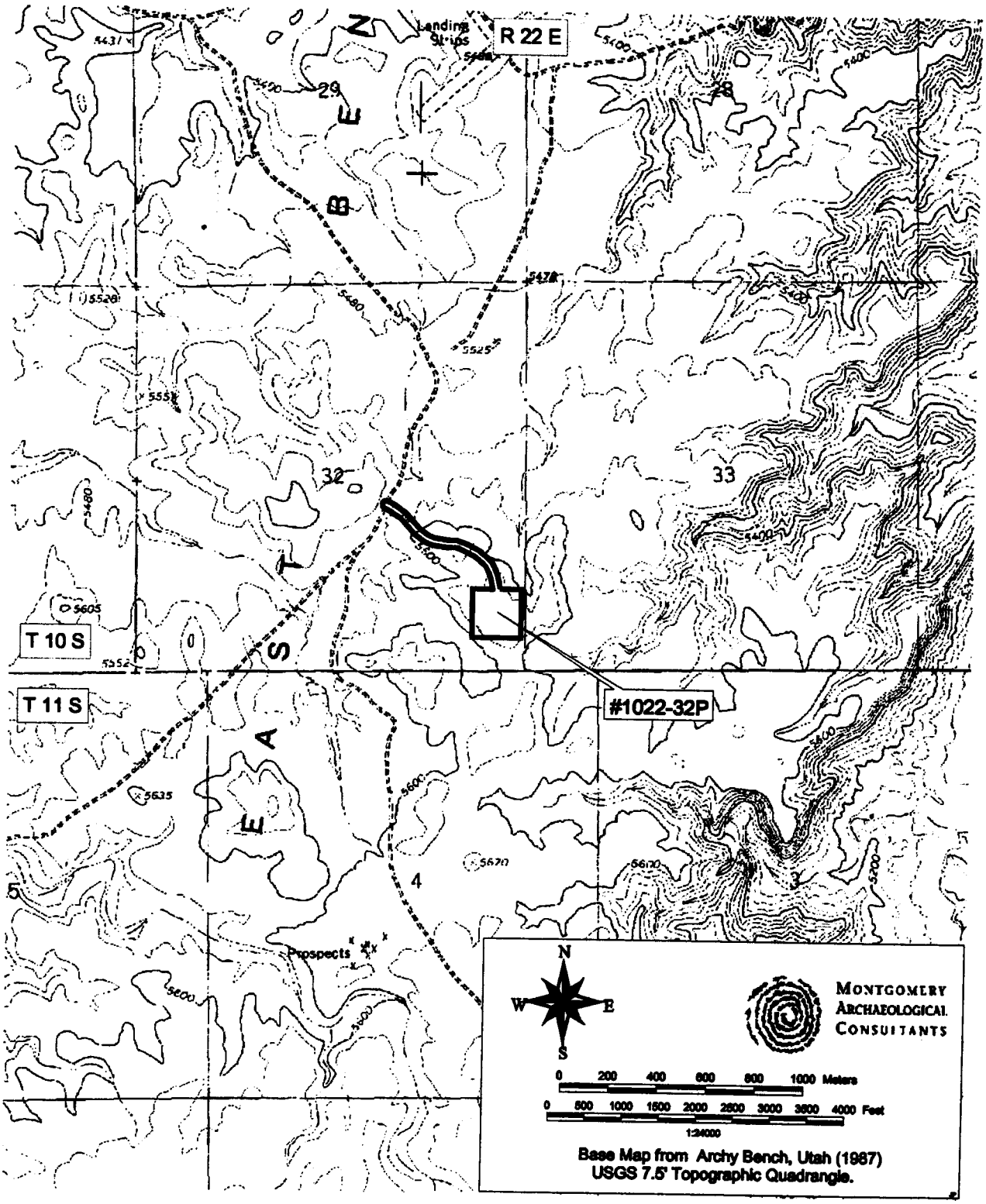


Figure 3. Inventory Area of Westport Oil & Gas Company's State #1022-32P Well Location, Uintah Co., UT.

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At each of the proposed well locations, a ten acre or larger area centered on the center stake of the location was surveyed by the archaeologist walking parallel transects spaced no more than 10 m (30 ft) apart. The access and pipeline corridors were 100 feet wide, surveyed by walking parallel transects along the staked centerline, spaced no more than 10 m (30 ft) apart. A wider corridor (150 foot) was inspected when access/pipeline routes shared a corridor. Ground visibility was considered to be good. A total of 86.9 acres was inventoried of which 68.3 acres occurs on land administered by the BLM (Vernal Field Office) and 18.6 is situated on SITLA land.

INVENTORY RESULTS

The inventory resulted in the documentation of a historic isolated find of artifact (IF-A) situated on proposed Southman Canyon #923-31H well location. Isolated Find A (IF-A) is located in the SW/SE/NE of Section 31, Township 10S, Range 23E (Figure 2). It consists of a purple patent bottle finish, three purple body container fragments, and several corroded D cell batteries. This cultural resource is considered not eligible for consideration to the National Register of Historic Places (NRHP) due to its lack of additional research value.

CONCLUSION AND RECOMMENDATIONS

The cultural resource inventory of Westport Oil & Gas Company's six proposed well locations with access and pipeline corridors resulted in the documentation of a historic isolated find (IF-A) considered not eligible for consideration to the NRHP. Based on the findings, a determination of "no historic properties affected" is recommended for this undertaking pursuant to Section 106, CFR 800.

REFERENCES CITED

Hauck, F. R., D. G. Weder, and S. Kennette
1979 Final Report on the Natural Buttes Cultural Mitigation Study. Archeological-Environmental Research Corporation. Salt Lake City, Utah. Report No. U-78-AF-0348b.

Montgomery, K. R.
2003 Cultural Resource Inventory of Westport Oil and Gas Company's Proposed NBU 1022-1G, NBU 1022-2I, NBU 1022-11I, NBU 1022-11J, NBU 1022-6A and Bonanza 1023-6C Well Locations, Uintah County, Utah. Montgomery Archaeological Consultants Moab, Utah. Report No. U-01-MQ-0618.

Montgomery, K.R., and S. Ball
2002 Cultural Resource Inventory of El Paso Oil & Gas Federal #29-10-22, Federal #29-10-22 Alt., Federal #31-10-22, NBU # 468, NBU #469, NBU #470, and NBU #472 Well Locations, Uintah County, Utah. Montgomery Archaeological Consultants Moab, Utah. Report No. U-01-MQ-0615.

Montgomery, K.R., and J.A. Montgomery
2003 CRI of Westport Oil and Gas Company's NBU #1022-23F, NBU #1022-23K, NBU #30O, Federal #1022-31D, State #1022-32A and State #1022-32J Well Locations, Uintah County, Utah. Montgomery Archaeological Consultants Moab, Utah. Report No. U-01-MQ-0620.

Nicholson, C.M., and K.R. Montgomery
2003 CRI of Westport Oil and Gas Company's Proposed Well Location, Access Routes, and Pipelines in Southman Canyon, Uintah County, Utah. Montgomery Archaeological Consultants Moab, Utah. Report No. U-01-MQ-0567.

Nielson, A.A.
1981 A Cultural Resource Inventory of the TOSCO Corporation Sand Wash Project in Uintah County, Eastern Utah. Cultural Resource Management Services of Brigham Young University, Provo, Utah. Report No. U-81-BC-0721b.

O'Brien, P. K., P. M. Lubinski, and J. M. Scott
1991 Cultural Resources Inventory for 18 Proposed Coastal Oil & Gas Corporation Well & Access Locations on State of Utah Lands, Uintah County, Utah. Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Report No. U-91-MM-0044s.

Scott, J.C.
1991 Cultural Resources Inventory for the Coastal Oil & Gas NBU-133 Well Pad and Access, Uintah County, Utah. Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Report No. U-90-MM-0635b.

Smith, C.S.
2002 Cultural Resource Inventory of Veritas Uinta 2D Seismic Prospect, Uintah County, Utah. TRC Mariah Associates Inc. Salt Lake City. Project No. U-02-ME-0207.

Stokes, W.L.
1986 *Geology of Utah.* Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

003

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/15/2003

API NO. ASSIGNED: 43-047-35186

WELL NAME: STATE 1022-32P

OPERATOR: WESTPORT OIL & GAS CO (N2115)

CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

SESE 32 100S 220E

SURFACE: 0846 FSL 0498 FEL

BOTTOM: 0846 FSL 0498 FEL

UINTAH

NATURAL BUTTES (630)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22798

SURFACE OWNER: 3 - State

PROPOSED FORMATION: MVRD

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	10/20/03
Geology		
Surface		

LATITUDE: 39.90044

LONGITUDE: 109.45518

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. RLB0005)

N Potash (Y/N)

Y **Oil Shale 190-5 (B)** or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

LOCATION AND SITING:

____ R649-2-3.

Unit ____

✓ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells

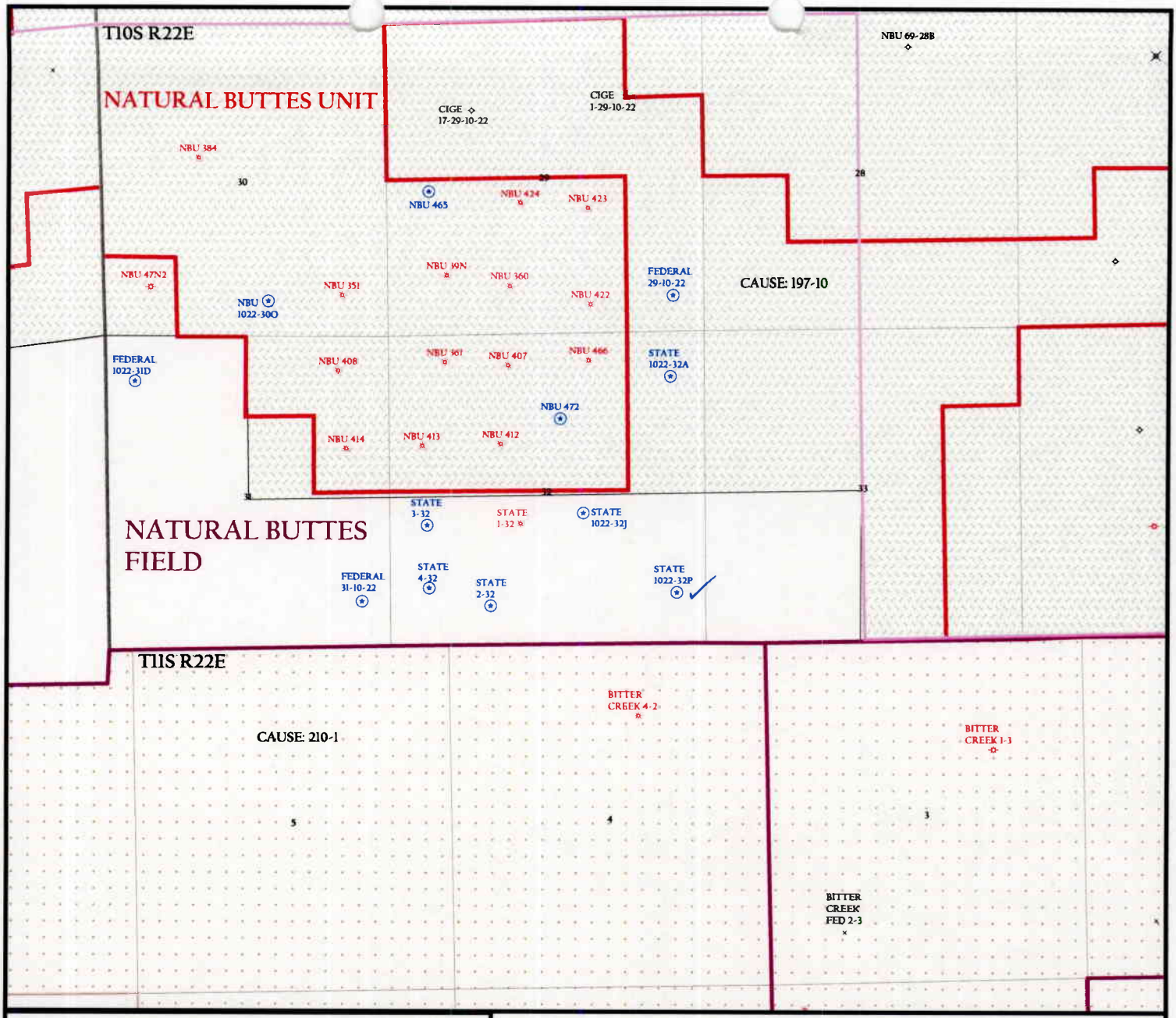
____ R649-3-3. Exception

____ Drilling Unit
Board Cause No: ____
Eff Date: ____
Siting: ____

____ R649-3-11. Directional Drill

COMMENTS: Needs Presite (09-30-03)

STIPULATIONS:
1- Spacing Stip
2- Oil Shale
3- Statement of Basis
4- Surface Casing Cmt Stip (COA #22)



OPERATOR: WESTPORT O&G CO (2115)

SEC. 32 T.10S, R.22E

FIELD: NATURA BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-2 / GENERAL SITING

Utah Oil Gas and Mining

Wells
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

N
W E
S

PREPARED BY: DIANA MASON
DATE: 16-SEPTEMBER-2003

From: Ed Bonner
To: Mason, Diana
Date: 9/17/03 11:07AM
Subject: Well Clearences

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Westport Oil & Gas
NBU 1022-32P

Bill Barrett Corporation
Prickly Pear Unit State #5-16

ConocoPhillips Company
Utah 27-545

If you have any questions regarding this matter please give me a call.

CC: Garrison, LaVonne; Hill, Brad; Hunt, Gil

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: WESTORT OIL AND GAS COMPANY, L.P
WELL NAME & NUMBER: NBU 1022-32P
API NUMBER: 43-047-35786
LEASE: ML-22798 **FIELD/UNIT:** NATURAL BUTTES
LOCATION: 1/4,1/4 SE/SE **Sec:** 32 **TWP:** 10S **RNG:** 22E 498' FEL 846' FSL
LEGAL WELL SITING: 460 F **SEC. LINE;** 460 F **1/4,1/4 LINE;** 920 F **ANOTHER WELL.**
GPS COORD (UTM):4417652N 12 632064E **SURFACE OWNER:** STATE OF UTAH

PARTICIPANTS

DAVID W. HACKFORD (DOGM), FLOYD BARTLETT (DWR), CARROLL ESTES, SHEILA UPCHEGO, DEBRA DOMENICI (WESTPORT).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS ON THE NORTHWEST SLOPE OF A ROUND TOPPED KNOLL THAT SLOPES MODERATELY IN ALL DIRECTIONS. OVERALL DRAINAGE FOR THE AREA IS TO THE NORTHEAST TOWARD THE WHITE RIVER 3.8 MILES AWAY. BITTER CREEK IS 1.5 MILES TO THE EAST.

SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' BY 245'. ACCESS ROAD WILL BE 0.4 MILES.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SAGE, SALTBRUSH, SHADSCALE, PRICKLEY PEAR, GREASEWOOD, HORSEBRUSH: PRONGHORN, RODENTS, SONGBIRDS, RAPTORS, COYOTE, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

CHARACTERISTICS: 100' BY 100' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A PLASTIC LINER WILL NOT BE REQUIRED FOR RESERVE PIT.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER SITLA.

SURFACE AGREEMENT: **AS PER SITLA.**

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY MONTGOMERY ARCHEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.

OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A WARM, SUNNY DAY.

ATTACHMENTS

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD	9/30/03, 10:45 AM
DOGM REPRESENTATIVE	DATE/TIME

Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements

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

Final Score 15 (Level II Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.

SEP 30 2003

SEP 30 2003

SEP 30 2003

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

OPERATOR: WESTPORT OIL AND GAS COMPANY, L.P.
WELL NAME & NUMBER: STATE 1022-32P
API NUMBER: 43-047-35786
LOCATION: 1/4,1/4 SW/SE Sec: 32 TWP: 10S RNG: 22E 498' FEL 846' FSL

Geology/Ground Water:

Westport proposes to set 250' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,600'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 32 . The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought to above the base of the moderately saline groundwater in order to isolate it from fresher waters uphole.

Reviewer: Brad Hill **Date:** 10/01/03

Surface:

The predrill investigation of the surface was performed on 9/30/03. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to this investigation on 9/17/03. Mr. Bartlett was present. He did not have any concerns regarding the construction of this location or the drilling of the well. This site is on State surface, with State minerals. This site appears to be the best site for a location in the immediate area. The north and northeast corners of location will be rounded as needed.

Reviewer: David W. Hackford **Date:** 9/ 30/ 2003

Conditions of Approval/Application for Permit to Drill:

None.

10-03 Westport State 1022-32P

Casing Schematic

Surface Stip

Uinta

Surface

TOC @ 0.

TOC @ 29.

w/18% Washout

9-5/8"
MW 8.3
Frac 19.3

Surface
250. MD

992 Green River

TOC Tail 3095

3600 Moderate Saline

4042
Wasatch

Oil Shale Stip
190-5(B)

w/15% Washout

6442 Mesaverde

BHP

(.052)(8500)(10) = 4420

Anticipate = 3400

Gas

(.12)(8500) = 1020

(.22)(8500) = 1870

MASP = 4420 − 1020 = 3400

4420 − 1870 = 2550

BOPE = 3,000 proposed

Adequate DKD 10/20/03

4-1/2"
MW 10.

Production
8500. MD

Well name:	**10-03 Westport State 1022-32P**
Operator:	**Westport O&G Company**
String type:	Production
Location:	Uintah County
Project ID:	43-047-35186

Design parameters:

Collapse

Mud weight: 10.000 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 3,396 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 4,416 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:	1.50 (B)

Tension is based on buoyed weight.

Neutral point: 7,229 ft

Environment:

H2S considered?	No
Surface temperature:	75 °F
Bottom hole temperature:	194 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	Surface

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)	Internal Capacity (ft³)
2	2000	4.5	11.60	M-80	LT&C	2000	2000	3.875	46.4
1	6500	4.5	11.60	J-55	LT&C	8500	8500	3.875	150.7

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
2	1039	5822	5.604	3636	7780	2.14	84	267	3.18 B
1	4416	4960	1.123	4416	5350	1.21	61	162	2.67 J

Prepared by: Clinton Dworshak, Utah Div. of Oil & Mining
Phone: (801)538-5280
FAX: (801)359-3940

Date: October 8,2003
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8500 ft, a mud weight of 10 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	**10-03 Westport State 1022-32P**
Operator:	**Westport O&G Company**
String type:	Surface
Location:	Uintah County
Project ID:	43-047-35186

Design parameters:

Collapse

Mud weight: 8.300 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 220 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 250 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: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 220 ft

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 78 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 250 ft

Cement top: 29 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,500 ft

Next mud weight: 10.000 ppg

Next setting BHP: 4,416 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 250 ft

Injection pressure 250 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	250	9.625	32.30	H-40	ST&C	250	250	8.876	15.8

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	108	1370	12.710	250	2270	9.08	7	254	35.82 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining
Phone: (801)538-5280
FAX: (801)359-3940

Date: October 8,2003
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 250 ft, a mud weight of 8.3 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
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Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director

October 21, 2003

Westport Oil & Gas Company L. P.
P O Box 1148
Vernal, UT 84078

Re: State 1022-32P Well, 846' FSL, 498' FEL, SE SE, Sec. 32, T. 10 South, R. 22 East, Uintah 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 43-047-35186.

Sincerely,

John R. Baza
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA

Operator: Westport Oil & Gas Company L. P.
Well Name & Number State 1022-32P
API Number: 43-047-35186
Lease: ML-22798

Location: SE SE **Sec.** 32 **T.** 10 South **R.** 22 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. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

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

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

8. Surface casing shall be cemented to the surface.

Form 9

005

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

6. Lease Designation and Serial Number: ML-22798

7. Indian Allottee or Tribe Name:

8. Unit or Communitization Agreement:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT -- for such proposals

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other (specify)

9. Well Name and Number: **STATE 1022-32P**

2. Name of Operator: WESTPORT OIL & GAS COMPANY L.P.

10. API Well Number: 43-047-35186

3. Address of Operator: 1368 SOUTH 1200 EAST VERNAL, UTAH 84078

4. Telephone Number: (435) 781-7024

11. Field and Pool, or Wildcat: NATURAL BUTTES

5. Location of Well
Footage : 846'FSL & 498'FEL
QQ, Sec, T., R., M : SESE SECTION 32-T10S-R22E
County : UINTAH
State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off
- [X] Other REVISED TD & SURFACE CSG

Approximate Date Work Will Start: IMMEDIATE

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of Work Completion:

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

THE OPERATOR REQUESTS AUTHORIZATION TO CHANGE THE ORIGINAL TOTAL DEPTH FROM 8600' TO 8650'. AND SET A DEEPER SURFACE CSG FROM 250' TO 1600'.

PLEASE REFER TO THE ATTACHED DRILLING PROGRAM.

RECEIVED
APR 12 2004
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 4-19-04
Initials: CHD

14. I hereby certify that the foregoing is true and correct.

Name & Signature: Sheila Upchego [signature] Title: Regulatory Analyst Date: 04/06/04

(State Use Only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 4/15/04
BY: [signature]
* See Engineering Steps

See Instructions on Reverse Side

(8/90)

Westport Oil and Gas Company, L.P.

DRILLING PROGRAM

COMPANY NAME	Westport Oil and Gas Co., L.P.	DATE	April 2, 2004
WELL NAME	**STATE 1022-32P**	TD	8,650' MD/TVD
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah
ELEVATION	5,655' GL	KB 5,670'	
SURFACE LOCATION	846' FSL, 498' FEL, SESE, SEC. 32, T10S, R22E	BHL	Straight Hole
	Lat (39.900511) Long (109.455856)		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURFACE AND MINERALS), Tri-County Health Dept.		

LOGS	GEOLOGICAL FORMATION TOPS	DEPTH	HOLE SIZE	MECHANICAL CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 32.3#, H-40, STC	Air mist
Catch water sample, if possible, from 0 to 4,042'					
	Green River @	**992**			
	Preset f/ GL @	**1600 MD**			
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2",11.6#,M80, I80, or equivalent LTC casing	Air Mist/Polymer Aerated Water/Brine 8.3-10.0 ppg
	Wasatch @	**4,042'**			
	Mverde @	**6,442'**			
	TD @	**8,650'**			Max anticipated Mud required 10.0 ppg

Westport Oil and Gas Company, L.P.

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						2270	1370	254000
SURFACE	9-5/8"	0 to 1600	32.30	H-40	STC	0.87********	1.83	5.61
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8650	11.60	M-80 or I-80	LTC	3.00	1.41	2.30

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 10.0 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 2595 psi

******** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE **Option 1**	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
			NOTE: If well will circulate water to surface, option 2 will be utilized				
SURFACE **Option 2**	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,540'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	390	60%	11.00	3.38
	TAIL	5,110'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1430	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 15% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER: _____ **DATE:** _____

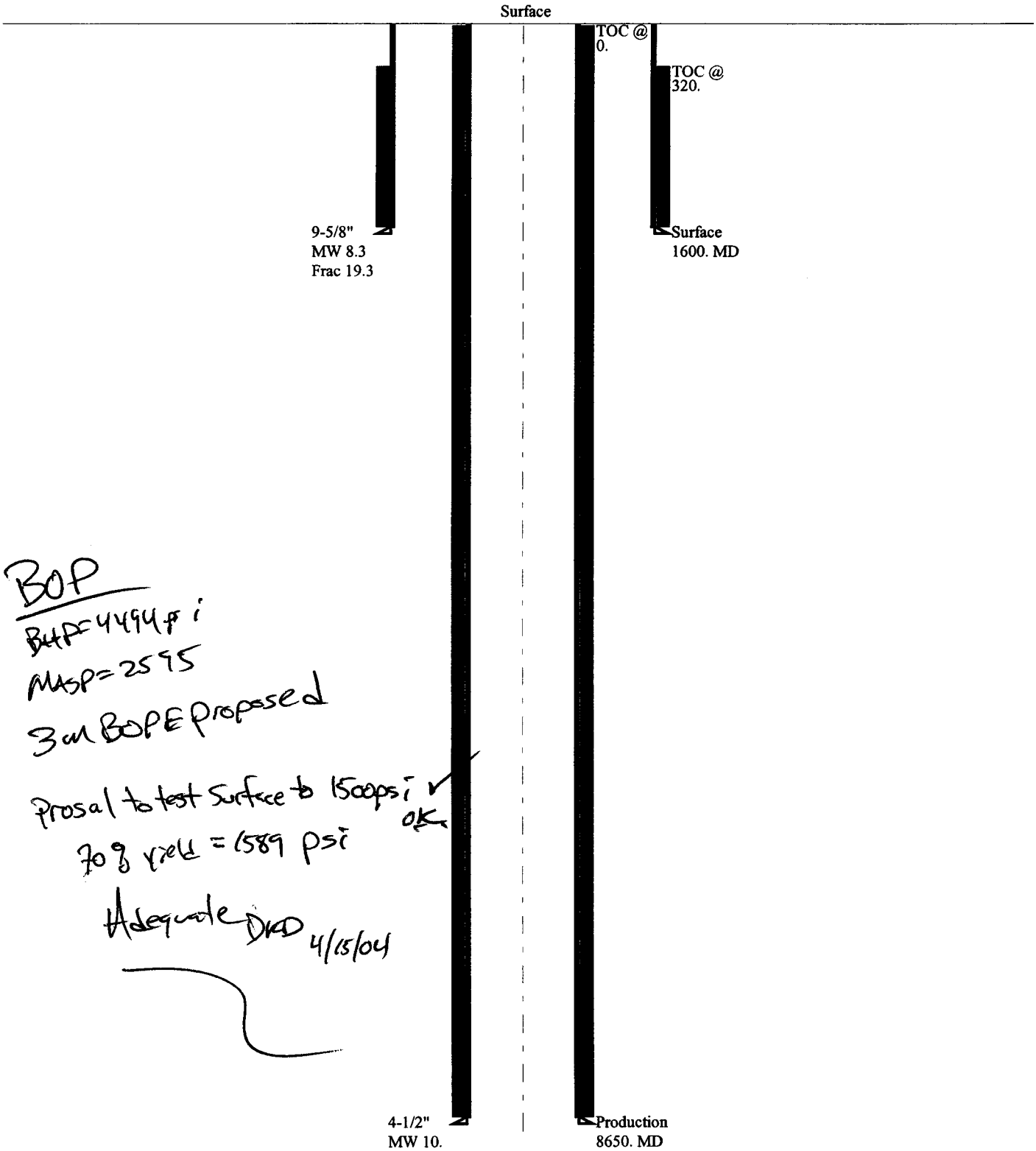
Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne

04-04 Westport State 1022-3 Prev.

Casing Schematic



BOP

BHP = 4494 psi

MASP = 2595

3m BOPE Proposed

Prosal to test Surface to 1500psi ✓ OK

70% yield = 1589 psi

Adequate DKD 4/15/04

Well name:	**04-04 Westport State 1022-32Prev.**
Operator:	**Westport Oil & Gas Co.**
String type:	Production
Location:	Uintah County
Project ID:	43-047-35186

Design parameters:

Collapse

Mud weight: 10.000 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 3,456 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 4,494 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:	1.50 (B)

Tension is based on air weight.

Neutral point: 7,357 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	186 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	368 ft
Cement top:	Surface

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)	Internal Capacity (ft³)
1	8650	4.5	11.60	M-80	LT&C	8650	8650	3.875	200.5

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	4494	6350	1.41	4494	7780	1.73	100	267	2.66 B

Prepared by: Dustin Doucet, Utah Dept. of Natural Resources
Phone: 801-538-5281
FAX: 801-359-3940

Date: April 15,2004
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Oil shale Cause No. 190-5(B) ; Surface casing cemented to surface

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 8650 ft, a mud weight of 10 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.

Well name:	**04-04 Westport State 1022-32Prev.**
Operator:	**Westport Oil & Gas Co.**
String type:	Surface
Project ID:	43-047-35186
Location:	Uintah County

Design parameters:

Collapse

Mud weight: 8.330 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,408 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 1,600 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: 1.50 (B)

Tension is based on air weight.

Neutral point: 1,404 ft

Environment:

H2S considered? No

Surface temperature: 65 °F

Bottom hole temperature: 87 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 200 ft

Cement top: 320 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 8,650 ft

Next mud weight: 10.000 ppg

Next setting BHP: 4,494 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 1,600 ft

Injection pressure 1,600 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1600	9.625	32.30	H-40	ST&C	1600	1600	8.876	101.4

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	692	1370	1.98	1600	2270	1.42	52	254	4.92 J

Prepared by: Dustin Doucet, Utah Dept. of Natural Resources
Phone: 801-538-5281
FAX: 801-359-3940

Date: April 15,2004
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Oil shale Cause No. 190-5(B) ; Surface casing cemented to surface
~~Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.~~
Collapse is based on a vertical depth of 1600 ft, a mud weight of 8.33 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

SPUDDING INFORMATION

Name of Company: WESTPORT OIL & GAS COMPANY LP

Well Name: STATE 1022-32P

Api No: 43-047-35186 Lease Type: STATE

Section 32 Township 10S Range 22E County UINTAH

Drilling Contractor PETE MARTIN RIG # BUCKET

SPUDDED:

Date 04/19/04

Time

How DRY

Drilling will commence:

Reported by BOB BINKLEY

Telephone # 1-435-828-0982

Date 04/20/2004 Signed CHD

007

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

OPERATOR WESTPORT O&G COMPANY L.P
ADDRESS 1368 SOUTH 1200 EAST
VERNAL, UTAH 84078

OPERATOR ACCT. NO. N 2115

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
C B	99999	2900	43-047-34747	NBU 406	NWNB	10	9S	21E	UINTAH	4/19/2004	4/27/04 K

WELL 1 COMMENTS: WSTC
MIRU BILL MARTIN JR'S RIG #3
SPUD WELL LOCATION ON 4/19/04 AT 1400 HRS

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	14131	43-047-35186	STATE 1022-32P	SESE	32	10S	22E	UINTAH	4/19/2004	4/27/04 K

WELL 2 COMMENTS: MVRD
MIRU PETE MARTIN BUCKET RIG
SPUD WELL LOCATION ON 4/19/04 AT 0600 HRS

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

WELL 3 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

WELL 4 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)
- 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
- D - Re-assign well from one existing entity to a new
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.
(3/89)

Post-it® Fax Note 7671

Date	# of pages ▶
To DIANE RUSSELL	From SHEILA UPCHEGO
Co./Dept. UTDOGM	Co. WESTPORT OIL & GAS CO LP
Phone # (801) 538-5336	Phone # (435) 781-7024
Fax # (801) 359-3940	Fax # (435) 781-7094

Signature

REGULATORY ANALYST 04/20/04
Title Date

Phone No. (435) 781-7024

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DIV. OF OIL, GAS & MINING

Form 9

008

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

6. Lease Designation and Serial Number: ML-22798

7. Indian Allottee or Tribe Name:

8. Unit or Communitization Agreement:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT -- for such proposals

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other (specify)

9. Well Name and Number: **STATE 1022-32P**

2. Name of Operator: WESTPORT OIL & GAS COMPANY L.P.

10. API Well Number: 43-047-35186

3. Address of Operator: 1368 SOUTH 1200 EAST VERNAL, UTAH 84078

4. Telephone Number: (435) 781-7024

11. Field and Pool, or Wildcat: NATURAL BUTTES

5. Location of Well
Footage : 846'FSL & 498'FEL
QQ, Sec, T., R., M : SESE SECTION 32-T10S-R22E
County : UINTAH
State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate Date Work Will Start

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [X] Other WELL SPUD
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of Work Completion 4/19/04

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" OF CONDUCTOR HOLE TO 40'.
RAN 14" 65# STEEL CONDUCTOR PIPE. CMT W/21 SX REDI-MIX.

MIRU BILL MARTIN JR'S RIG #3. DRILLED 12 1/4" SURFACE HOLE TO 1640'.
RAN 9 5/8" 32.3# H-40 STC CSG. LEAD CMT W/130 SX PREM @11.0 PPG 3.82 YIELD
TAILED SLURRY W/200 SX PREM G @15.6 PPG 1.18 YIELD.
FLOATS DID NOT HOLD. SHUT IN CMT HEAD. CIRC. CMT TO SURFACE 115 BBLS IN DISP.
TOP OUT W/1" PIPE @200'. 130 SX @15.6 PPG. CMT TO SURFACE HOLE STAYED FULL.

WORT.

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SPUD WELL LOCATION ON 4/19/04 AT 0600 HRS.

14. I hereby certify that the foregoing is ~~true and~~ correct.

Name & Signature Sheila Upchego Title Regulatory Analyst Date 04/29/04

(State Use Only)

(8/90) See Instructions on Reverse Side

Form 9

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

009

6. Lease Designation and Serial Number	ML-22798
7. Indian Allottee or Tribe Name	
8. Unit or Communitization Agreement	

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT -- for such proposals

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other (specify)

9. Well Name and Number: **STATE 1022-32P**

2. Name of Operator: WESTPORT OIL & GAS COMPANY L.P.

10. API Well Number: 43-047-35186

3. Address of Operator: 1368 SOUTH 1200 EAST VERNAL, UTAH 84078

4. Telephone Number: (435) 781-7024

11. Field and Pool, or Wildcat: NATURAL BUTTES

5. Location of Well
Footage : 846'FSL & 498'FEL
QQ, Sec, T., R., M : SESE SECTION 32-T10S-R22E
County : UINTAH
State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [X] Other FINAL DRILLING OPERATIONS
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of Work Completion 8/5/04

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

FINISHED DRILLING FROM 40' TO 8540'. RAN 4 1/2" 11.6# N-80 LTC CSG.
CMT W/20 SX SCAVENGER CMT. LEAD CMT W/300 SX PREM LITE II @11.0 PPG 3.38 YIELD
TAIL CMT W/1400 50/50 POZ @14.3 PPG 1.31 YIELD. FLOATS HOLDING.

RELEASE CAZA 81 ON 8/5/04 AT 0100 HRS.

14. I hereby certify that the foregoing is true and correct.

Name & Signature Sheila Upchego Title Regulatory Analyst Date 08/05/04

(State Use Only)

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DIV. OF OIL, GAS & MINING

(8/90) See Instructions on Reverse Side

010

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22798

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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 ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: STATE 1022-32P

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.

9. API NUMBER: 4304735186

3. ADDRESS OF OPERATOR: 1368 S 1200 E CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 846'FSL & 498'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 10S 22E

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 9/11/2004	☐ CHANGE WELL STATUS	☑ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 9/11/04 AT 9:05 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

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SEP 21 2004
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT): SHEILA UPCHEGO

TITLE: REGULATORY ANALYST

SIGNATURE: Sheila Upchego

DATE: 9/13/2004

(This space for State use only)

(5/2000)

(See Instructions on Reverse Side)

WESTPORT OIL & GAS COMPANY, LP

CHRONOLOGICAL HISTORY

STATE 1022-32P

	SPUD	Surface Casing	Activity	Status
3/25/04			Build Location, 5% Complete	
3/26/04			Build Location, 20% Complete	Caza 81
3/29/04			Build Location, 50% Complete	Caza 81
3/30/04			Build Location, 52% Complete	Caza 81
3/31/04			Build Location, 50% Complete	Caza 81
4/1/04			Build Location, 50% Complete	Caza 81
4/2/04			Build Location, 50% Complete	Caza 81
4/5/04			Build Location, 85% Complete	Caza 81
4/6/04			Build Location, 90% Complete	Caza 81
4/7/04			Build Location, 95% Complete	Caza 81
4/8/04			Build Location, 100% Complete	Caza 81
4/12/04			Build Location, 100% Complete	Caza 81
4/13/04			Build Location, 100% Complete	Caza 81
4/14/04			Location Complete. WOBR	Caza 81
4/15/04			Location Complete. WOBR	Caza 81
4/16/04			Location Complete. WOBR	Caza 81
4/19/04			Location Complete. WOBR	Caza 81
4/20/04		14" @ 40'	Location Complete. WOAR	Caza 81
4/21/04		14" @ 40'	Location Complete. WOAR	Caza 81
4/22/04		14" @ 40'	Location Complete. WOAR	Caza 81
4/23/04		14" @ 40'	Location Complete. WOAR	Caza 81
4/26/04	4/25/04	14" @ 40'	Spud w/Air Rig. DA @ 625'	Caza 81

4/27/04	4/25/04	14" @ 40'	Spud w/Air Rig. DA @ 1150'	Caza 81
4/28/04	4/25/04	14" @ 40'	Spud w/Air Rig. DA @ 1640'	Caza 81
4/29/04	4/25/04	14" @ 40'	Spud w/Air Rig. DA @ 1640'	Caza 81
4/30/04	4/25/04	9 5/8" @1604'	Run & cement 9 5/8" casing	WORT Caza 81
5/3/04	4/25/04	9 5/8" @1604'	Run & cement 9 5/8" casing	WORT Caza 81
5/4/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/5/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/6/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/7/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/10/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/11/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/12/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/13/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/14/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/17/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/18/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/19/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/20/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/21/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/24/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/25/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/26/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/27/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/28/04	4/25/04	9 5/8" @1604'		WORT Caza 81
5/31/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/1/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/2/04	4/25/04	9 5/8" @1604'		WORT Caza 81

6/3/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/4/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/7/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/8/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/9/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/10/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/11/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/14/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/15/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/16/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/17/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/18/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/21/04	4/25/04	9 5/8" @1604'		WORT Caza 81
6/22/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
6/23/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
6/24/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
6/25/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
6/28/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
6/29/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
6/30/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/1/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/2/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/6/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/7/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/8/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/9/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/12/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/13/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81

7/14/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/15/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/16/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/19/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/20/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/21/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/22/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/23/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81
7/26/04	4/25/04	9 5/8" @1604'	East Bench	WORT Caza 81

7/27/04

TD: 1640' Csg. 9 5/8" @ 1607' MW: 8.4 SD:7/X/04 DSS: 0
MIRU Caza 81. NU and test BOPE @ report time.

7/28/04

TD: 3040' Csg. 9 5/8" @ 1607' MW: 8.4 SD:7/27/04 DSS: 1
Finish testing BOPE. Pick up 7 7/8" PDC bit and Mud Motor. TIH and drill cement and FE. Rotary spud @ 1300 hrs 7/27/04. Drill from 1640'-3040'. DA @ report time.

7/29/04

TD: 4745' Csg. 9 5/8" @ 1607' MW: 8.4 SD:7/27/04 DSS: 2
Drill from 3040'-4745'. DA @ report time. (Top of Wasatch @ 4085')

7/30/04

TD: 5720' Csg. 9 5/8" @ 1607' MW: 8.4 SD:7/27/04 DSS: 3
Drill from 4745'-5720'. DA @ report time.

8/2/04

TD: 8060' Csg. 9 5/8" @ 1607' MW: 8.9 SD:7/27/04 DSS: 6
Drill from 5720'-8080'. TFNB and MM. TIH to 4000'. Break circulation. CIH @ report time.

8/3/04

TD: 8540' Csg. 9 5/8" @ 1607' MW: 9.9 SD:7/27/04 DSS: 7
FIH. Wash 60' to btm. Drill from 8080'-8540' TD. Short trip to 7800'. CCH for logs @ report time.

8/4/04

TD: 8540' Csg. 9 5/8" @ 1607' MW: 10.0 SD:7/27/04 DSS: 8
CCH for logs. TOH and Lay down mud motor. Rig up HLS and run Triple Combo. TIH and CCH for casing. POOH laying down drill string @ report time.

8/5/04

TD: 8540' Csg. 9 5/8" @ 1607' MW: 10.0 SD:7/27/04 DSS: 9
FOOH laying down BHA. Run and cement 4 ½" Production Casing. Set slips and release rig @ 0100 hrs 8/5/04. Rig down rotary tools. Will move to Archies bench CIGE 296 this am.

9/3/04 PROG: 7:00 AM HELD SAFETY MEETING. RD. RACK OUT EQUIPMENT. ROAD RIG & EQUIPMENT FOR NBU 922-15N TO LOC. MIRU, ND WH, NU BOP. TALLY & PREP 2- 3/8" J-55, 8 RD TBG. PU 3- 7/8" SMITH BIT & BIT SUB & BEG TO RIH PU TBG OFF TRAILER. EOT @ SWI. SDFN.

9/7/04 PROG: 7:00 AM HELD SAFETY MEETING, TALLY & CONT TO RIH W/TBG. TAG PBTD @ 8490'. RU PMP & LINES. CIRC HOLE CLEAN W/135 BBLS 2% KCL. LD 18 JTS TBG ON TRAILER & CONT TO POOH W/TBG. LD BIT. MIRU CUTTERS WL SVC. PU CBL CCL GR TOOL & RIH. RUN LOG F: 8474' TO SURF. POOH LD LOG TOOLS. PU 3-3/8" PROSPECTOR PERF GUNS LOADED W/23 GM CHARGES, 4 & 1 SPF. 90 DEG PHASING & RIH. SHOOT 24 HOLES F: 8386' - 92', PU SHOOT 4 HOLES F: 8258' - 62'. POOH. RDMO CUTTERS. PREP TO FRAC. SDFW.

9/8/04 PROG: MIRU DS. HELD SAFETY MEETING. OPEN UP WL: 600#. PRESS TEST SURF EQUIPMENT TO 8500#. PREP TO FRAC STAGE 1. 8386 - 8392' 4 SPF & 8258 - 8262' 1 SPF.

STAGE 1: BRK PRESS: 5123#, ISIP: 2629#. EST RATE @ 16 BPM – 3850#. FG: 75, POC: 71% (20/28 HOLES). FRAC ZONE AS PER DESIGN. TOTAL SD: 34,700 LBS, TOTAL FL: 401 BBLS. MR: 26.9 BPM, MP: 4905#. AR: 24.4 BPM, AP: 3584#. ISIP: 2745#, FG: 0.77. NPI: 116#. RU CUTTERS, PU 10K CBP & 3-3/8" GUN, RIH SET CBP @ 8170'. PUH PERF FR: 8004 - 8146', TOTAL 40 HOLES. POOH LD TOOLS.

STAGE 2: BRK PRESS: 3642#, ISIP: 2404#. FG: 73, POC: 92% (37/40 HOLES) EST RATE: 45 BPM @ 5200#. FRAC L ZONE AS PER DESIGN. TOTAL SD: 238,400 LBS, TOTAL FL: 1816 BBLS, ISIP: 3700, NPI: 1296#. FG: 0.89. MR: 49 BPM, MP: 5861, AR: 43.9, AP: 4805#. RU CUTTER WL SERV, PU 10K CBP & 3-3/8" GUN, RIH SET CBP @ 7950', PUH, PERF FR: 7796 - 7918' 4 SPF, TOTAL 48 HOLES. POOH LD TOOLS, RU DS.

STAGE 3: BRK PRESS: 5563#, ISIP: 2630#, FG: 0.77. EST RATE @ 49 BPM @ 6100#. POC: 96% (46/48 HOLES). FRAC ZONE, HAD TO SHUT OFF SD 103,000 LBS SHORT. TOTAL SD: 135,300 LBS, TOTAL FL: 1322 BBLS. ISIP: 3906#, FG: 0.93, NPI: 1276#. MR: 55.6 BPM, MP: 6704#. AR: 45.9, AP: 5421#. RU CUTTERS, PU 10K CBP & 3-3/8" GUN, RIH, SET CBP @ 7470', PUH, PERF FR: 7216 - 7436'. 4 SPF, TOTAL 44 HOLES. POOH, LD TOOLS.

STAGE 4: BRK PRESS: 5720, ISIP: 2982#, FG: 0.85. TRY TO EST RATE, WENT TO MAX PRESS, SURGE WL TO EST RATE, WENT TO MAX PRESS. PMP EXTRA 3000 GALS PAD & SPOT ACID AGAIN. EST INJECTION RATE: 30 BPM @ 6150#. BEGIN FRAC W/0.25 LBS SD, BUILD RATE TO 5#. FOLLOW DESIGN THROUGH REST OF FRAC. TOTAL SD: 136,500 LBS, TOTAL FL: 1178 BBL, ISIP: 3110#, FG: 0.86, NPI: 128#. MR: 49.3, MP: 7184#. AR: 40.0, AP: 5887#. ISIP: 3110#, FG: 0.86, NPI: 128#. RU CUTTERS, PU 10 CBP & 3-3/8" GUN, RIH, SET PLUG @ 7140', PUH PERF, FR: 7000 - 7114' 4 SPF TOTAL OF 48 HOLES. POOH, LD WL TOOLS.

STAGE 5: BRK PRESS: 2845#, ISIP: 1780#, FG: 0.69. EST INJ RATE: 45 BPM @ 4200#. FRAC STAGE 5 AS PER DESIGN. TOTAL SD: 208,000 LBS, TOTAL FL: 1597 BBL, FG: 0.84, NPI: 1042. MR: 51.7 BPM, MP: 4563#, AR: 48.5, AP: 4123#. NPI: 1042#.

JOB TOTALS: SD: 752,900 LBS, FLUID: 6314 BBLS. RDMO DS. RU CUTTERS WL, PU 5K KILL PLUG, RIH SET PLUG @ 6900'. POOH, LD TOOLS, RDMO CUTTERS. SWI, SDFN.

9/9/04 PROG: 7:00 AM HELD SAFETY MEETING, PU 3-7/8" SMITH BIT, FAST EDDIE POBS & RIH W/TBG. TAG FILL @ 6870' (30' SD). RU DRL EQUIPMENT, BRK CONV CIRC. & BEG TO DRL.

DRL UP 1ST CBP @ 6900', IN 10 MIN. (600# INC). CONT TO RIH. TAG FILL @ 7076', (40' FILL). CO TO 2ND CBP @ 7116'.

DRL UP 2ND CBP IN 10 MIN. (200# INC). CONT TO RIH. TAG FILL @ 7425'. (45' SD). CO TO 3RD CBP @ 7470'.

DRL UP 3RD CBP IN 20 MIN. (400# INC). CONT TO RIH. TAG FILL @ 7915', (35' FILL). CO TO 4TH CBP @ 7950'.

DRL UP 4TH CBP IN 15 MIN. (500# INC). CONT TO RIH. TAG FILL @ 8130', (40' SD). CO TO 5TH CBP @ 8170'.

DRL UP 5TH CBP IN 12 MIN. (400# INC). CONT TO RIH. TAG FILL @ 8371', (111' SD). CO TO PBTD @ 8490'. CIRC WL CLEAN. POOH LD 10 JTS ON TRAILER. LUBRICATE TBG HANGER INTO WL. LAND TBG W/EOT @ 8200'. ND BOP. NUWH. DROP BALL. RU PMP & LINES. PMP OFF THE BIT SUB @ 2200#. TURN OVER TO FLOW BACK CREW. RDMO. SICP: 1100#, FTP: 50#, OPEN CHK.

9/10/04 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1825#, TP: 1100#, 22/64 CHK, 26 BWPH, 25 HRS, SD: TRACE, TTLS BBLS FLWD: 627, TODAY'S LTR: 4,070 BBLS, LOAD REC TODAY: 627 BBLS, REMAINING LTR: 3,443 BBLS, TOTAL LOAD REC TO DATE: 2,244 BBLS.

9/13/04 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1750#, TP: 1000#, 22/64 CHK, 10 BWPH, 24 HRS, SD: CLEAN, TTLS BBLS FLWD: 342, TODAY'S LTR: 3,443 BBLS, LOAD REC TODAY: 352 BBLS, REMAINING LTR: 3,091 BBLS, TOTAL LOAD REC TO DATE: 2,596 BBLS.

WELL WENT ON SALES. 9/11/04, 9:05 AM. 1,300 MCF, 20/64 CHK, SICP: 1291#, FTP: 852#, 21 BWPH, FINAL REPORT FOR COMPLETION.

ON SALES
9/11/04: 981 MCF, 0 BC, 420 BW, TP: 863#, CP: 1530#, 20/64 CHK, 20 HRS, LP: 148#.

FORM 8

011

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.: ML-22798

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL [ ] GAS WELL [X] DRY [ ] Other

7. UNIT AGREEMENT NAME:

1b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

8. FARM OR LEASE NAME, WELL NO.: STATE

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.

9. WELL NO.: 1022-32P

3. ADDRESS AND TELEPHONE NO.: 1368 SOUTH 1200 EAST VERNAL, UTAH 84078 (435) 781-7024

10. FIELD AND POOL OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements)

At Surface: SESE 846'FSL & 498'FEL

At top prod. Interval reported below

At total depth

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: SECTION 32-T10S-R22E

14. API NO.: 43-047-35186 DATE ISSUED: 10/21/03

12. COUNTY: UINTAH 13. STATE: UTAH

15. DATE SPUDDED: 4/19/04 16. DATE T.D. REACHED: 8/3/04 17. DATE COMPL. (Ready to prod. or Plug & Abd.): 9/11/04 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 5656'GL 19. ELEV. CASINGHEAD:

20. TOTAL DEPTH, MD & TVD: 8540' MD TVD 21. PLUG, BACK T.D., MD & TVD: 8490' MD TVD 22. IF MULTIPLE COMPL., HOW MANY TD 23. INTERVALS DRILLED BY ROTARY TOOLS: ------> X CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD): MESAVERDE: 8258'-8392'; 8004'-8146'; 7796'-7918'; 7213'-7436'; 7000'-7114'

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: CBL-CCL-GR, DL/MICROLOG-SP/DSN

27. WAS WELL CORED YES [ ] NO [X] (Submit analysis)
DRILL STEM TEST YES [ ] NO [X] (See reverse side)

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
14" CONDUCTOR	65#	40'	20"	21 SX READY MIX	
9 5/8"	32.3#	1640'	12 1/4"	460 SX	
4 1/2"	11.6#	8540'	7 7/8"	1720 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8200'	

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
8258'-8392'		28 HOLES
8004'-8146'		40 HOLES
7796'-7918'		48 HOLES
7213'-7436'		44 HOLES
7000'-7114'		48 HOLES

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8258'-8392'	PMP 401 BBLS 34,700# 20/40 SD
8004'-8146'	PMP 1816 BBLS 238,400# 20/40 SD
7796'-7918'	PMP 1322 BBLS 135,300# 20/40 SD
7213'-7436'	PMP 1178 BBLS 136,500# 20/40 SD
7000'-7114'	PMP 1597 BBLS 208,000# 20/40 SD

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
9/11/04	FLOWING	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBLS.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
9/12/04	24	20/64	---->	0	1237	500	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
835#	1364#	---->	0	1237	500	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): SOLD

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS:

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

SIGNED SHEILA UPCHEGO TITLE REGULATORY ANALYST DATE 10/11/2004

RECEIVED OCT 25 2004 DIV OF OIL, GAS & MINING

See Spaces for Addition Data on Reverse Side

(3/89)

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:
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.

Formation	Top	Bottom	Description, contents, etc.
WASATCH	4098'	6489'	
MESAVERDE	6489'		

38. GEOLOGIC MARKERS

Name	Top Meas. Depth	Top True Vert. Depth

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22798

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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 ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: STATE 1022-32P

2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.

9. API NUMBER: 4304735186

3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 846'FSL & 498'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 32 10S 22E

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: MAINTENANCE
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

3/16/05: PROG: 7:00 AM HELD SAFETY MEETING, MAKE RIG REPAIRS. 10:00 AM. RU. BLEED WL DN. RU PMP & LINES. PMP 20 BBLS 2% KCL DN TBG TO CONTROL WL & 20 BBLS DN CSG. NDWH, NUBOPS. UNLAND TBG & LD TBG HANGER. TBG IS STUCK. WORK TBG & JAR F/60,000# TO 40,000#. WORK TBG 1 HR. TBG CAME FREE. POOH & TALLY TBG. FOUND TBG WAS STUCK @ APPROX. 8000'. HEAVY SCALE ON BTM 150' OF TBG. SWI. SDFN.

03/17/05 PROG: 7:00 AM HELD SAFETY MEETING, SICP: 300#. BLEED WL DN. PU 3-7/8" SMITH BIT, POBS & RIH W/ TBG. TAG SOLID SCALE @ 8150 +/-, WORK BIT THROUGH SCALE, CONT TO RIH. TAG PBTD @ 8425'. POOH LD 11 JTS. LAND TBG W/EOT @ 7617'. NDBOP. NUWH. DROP BALL. MIRU SCHLUMBERGER. PMP 35 BBLS 2% KCL. PMP 1500 GALS 15% HCL, FLUSH W/25 BBLS 2% KCL. RDMO SCHLUMBERGER. RDMO MWS.

04/06/05 ON SALES
04/04/05: 209 MCF, 0 BC, 1160 BW, TP: 1183#, CP: 2782#, 20/64 CHK, 20 HRS, LP: 146#.

RECEIVED
MAY 23 2005
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT): SHEILA UPCHEGO TITLE: REGULATORY ANALYST

SIGNATURE: Sheila Upchego DATE: 5/17/2005

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **1/6/2006**

FROM: (Old Operator):	**TO:** (New Operator):
N2115-Westport Oil & Gas Co., LP	N2995-Kerr-McGee Oil & Gas Onshore, LP
1368 South 1200 East	1368 South 1200 East
Vernal, UT 84078	Vernal, UT 84078
Phone: 1-(435) 781-7024	Phone: 1-(435) 781-7024

CA No. **Unit:**

WELL NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 3/7/2006

4a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181

4b. If **NO**, the operator was contacted contacted on:

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: ok

6. **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 3/27/2006 BIA not yet

7. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006

8. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

9. **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:

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 5/15/2006
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 5/15/2006
3. Bond information entered in RBDMS on: 5/15/2006
4. Fee/State wells attached to bond in RBDMS on: 5/16/2006
5. Injection Projects to new operator in RBDMS on:
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: CO1203
2. Indian well(s) covered by Bond Number: RLB0005239
3. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236

a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
The Division sent response by letter on:

LEASE INTEREST OWNER NOTIFICATION:

4. (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: 5/16/2006

COMMENTS:

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MUTIPLE WELLS

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

9. API Well No.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CHANGE OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED
MAY 1 0 2006
DIV. OF OIL, GAS & MINING

BLM BOND = C01203
BIA BOND = RLB0005239

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
RANDY BAYNE	DRILLING MANAGER
Signature: Randy Bayne	Date: May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
MUTIPLE WELLS

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P.

9. API Well No.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory Area

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SEE ATTACHED

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☒ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other CHANGE OF OPERATOR
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name *(Printed/Typed)*	Title
BRAD LANEY	ENGINEERING SPECIALIST
Signature	Date
	May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by Brad Laney	Title	Date 5-9-06
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22798

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
STATE 1022-32P

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047351860000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6515 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0846 FSL 0498 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESE Section: 32 Township: 10.0S Range: 22.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT
  Approximate date work will start:
- ✓ SUBSEQUENT REPORT
  Date of Work Completion:
  3/16/2011
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

THIS WELL RETURNED TO PRODUCTION 03/16/2011.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst

SIGNATURE	DATE
N/A	4/11/2011

RECEIVED Apr. 11, 2011

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

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP

Operator Account Number: N 2995

Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078

Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
Various	NBU REVISION						UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
E	Various	2900	3/13/2012			2/1/2012	

Comments: MOVE THE ATTACHED WELLS INTO THE NATURAL BUTTES UNIT REVISION EFFECTIVE 02/01/2012. 72 wells 5/31/2012

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)

SHEILA WOPSOCK
Name (Please Print)

Signature

REGULATORY ANALYST
Title

5/30/2012
Date

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Div. of Oil, Gas & Mining

(5/2000)

Entity Action Form Attachment for wells moved into the Natural Buttes Unit Effective 02/01/2012.

API	Well Name	QTR/QTR	orig entity / Section	TWNSHP	RANGE	Producing Intervals
4304737079	FEDERAL 920-25I	NESE	15431	25 9S	20E	WASATCH/MESAVERDE
4304737080	FEDERAL 920-25H	SENE	15761	25 9S	20E	WASATCH/MESAVERDE
4304737081	FEDERAL 920-25A	NENE	15553	25 9S	20E	WASATCH/MESAVERDE from MVRD
4304739098	STATE 1021-28M	SWSW	16499	28 10S	21E	WASATCH To WSMVD
4304737918	FEDERAL 1021-26L	NWSW	16390	26 10S	21E	MESAVERDE To WSMVD
4304737919	FEDERAL 1021-26N	SESW	16391	26 10S	21E	WASATCH/MESAVERDE
4304737916	FEDERAL 1021-25O	SWSE	16277	25 10S	21E	WASATCH/MESAVERDE
4304739112	STATE 1021-31M	SWSW	16454	31 10S	21E	WASATCH To WSMVD
4304739127	STATE 1021-32P	SESE	16471	32 10S	21E	WASATCH/MESAVERDE
4304739128	STATE 1021-32O	SWSE	17513	32 10S	21E	WASATCH/MESAVERDE
4304739131	STATE 1021-32L	NWSW	16902	32 10S	21E	WASATCH/MESAVERDE
4304739133	STATE 1021-32J	NWSE	17529	32 10S	21E	WASATCH/MESAVERDE
4304739134	STATE 1021-32I	NESE	16905	32 10S	21E	WSMVD
4304739135	STATE 1021-32H	SENE	17528	32 10S	21E	WASATCH/MESAVERDE
4304735714	FEDERAL 1022-29H	SENE	15147	29 10S	22E	WASATCH/MESAVERDE
4304735715	FEDERAL 1022-29F	SENW	15162	29 10S	22E	WASATCH/MESAVERDE
4304735716	FEDERAL 1022-29B	NWNE	14982	29 10S	22E	WASATCH/MESAVERDE
4304735737	FEDERAL 1022-29I	NESE	15001	29 10S	22E	WASATCH/MESAVERDE
4304735738	FEDERAL 1022-29D	NWNW	15016	29 10S	22E	MESAVERDE To WSMVD
4304734862	FEDERAL 31-10-22	SESE	13879	31 10S	22E	MESAVERDE To WSMVD
4304735173	FEDERAL 1022-31D	NWNW	14132	31 10S	22E	WASATCH/MESAVERDE
4304736492	FEDERAL 1022-31N	SESW	16255	31 10S	22E	WASATCH/MESAVERDE
4304736493	FEDERAL 1022-31I	NESE	15089	31 10S	22E	WASATCH/MESAVERDE
4304736494	FEDERAL 1022-31G	SWNE	15075	31 10S	22E	WASATCH/MESAVERDE
4304736495	FEDERAL 1022-31F	SENE	15230	31 10S	22E	WASATCH/MESAVERDE
4304736574	FEDERAL 1022-31C	NENW	15090	31 10S	22E	WASATCH/MESAVERDE
4304736575	FEDERAL 1022-31J	NWSE	15214	31 10S	22E	WASATCH/MESAVERDE
4304736576	FEDERAL 1022-31L	NWSW	16276	31 10S	22E	WASATCH/MESAVERDE
4304734317	STATE 1-32	NESW	13419	32 10S	22E	WASATCH/MESAVERDE
4304734831	STATE 2-32	SESW	13842	32 10S	22E	MESAVERDE To WSMVD
4304734832	STATE 3-32	NWSW	13844	32 10S	22E	WASATCH/MESAVERDE
4304735095	STATE 1022-32J	NWSE	14097	32 10S	22E	WSMVD
4304735096	STATE 1022-32A	NENE	13914	32 10S	22E	WASATCH/MESAVERDE
4304735186	STATE 1022-32P	SESE	14131	32 10S	22E	MESAVERDE To WSMVD
4304735315	STATE 1022-32O	SWSE	14114	32 10S	22E	WASATCH/MESAVERDE
4304735647	STATE 1022-32H	SENE	14348	32 10S	22E	MESAVERDE To WSMVD
4304736413	STATE 1021-36O	SWSE	15619	36 10S	21E	WASATCH/MESAVERDE
*4304738157	WELL BELONGS TO QEP ENERGY CORP "GH 8-20-8-21" PERMIT NOT APPROVED					
4304734839	FEDERAL 1022-15F	SENW	14618	15 10S	22E	WASATCH/MESAVERDE
4304736414	STATE 1021-36J	NWSE	15651	36 10S	21E	WASATCH/MESAVERDE
4304738152	STATE 1021-36L	NWSW	16012	36 10S	21E	WASATCH/MESAVERDE
4304735440	FEDERAL 1022-15J	NWSE	14617	15 10S	22E	WASATCH/MESAVERDE
4304736415	STATE 1021-36I	NESE	15684	36 10S	21E	WASATCH/MESAVERDE
4304738845	STATE 1021-36D	NWNW	16455	36 10S	21E	WASATCH/MESAVERDE

4304750096	FEDERAL 1022-27H	SENE	17626	27 10S	22E	WASATCH/MESAVERDE	
4304736416	STATE 1021-36H	SENE	15335	36 10S	21E	WASATCH/MESAVERDE	
4304738846	STATE 1021-36E	SWNW	16523	36 10S	21E	WASATCH/MESAVERDE	
4304735676	FEDERAL 1022-28L	NWSW	15110	28 10S	22E	WASATCH/MESAVERDE	
4304736417	STATE 1021-36G	SWNE	15297	36 10S	21E	WASATCH/MESAVERDE	
4304738847	STATE 1021-36F	SENW	16394	36 10S	21E	WASATCH/MESAVERDE	
4304735713	FEDERAL 1022-28N	SESW	15145	28 10S	22E	WASATCH/MESAVERDE	
4304736418	STATE 1021-36B	NWNE	14953	36 10S	21E	WASATCH/MESAVERDE	
4304738848	STATE 1021-36N	SESW	16359	36 10S	21E	WASATCH/MESAVERDE	
4304735735	FEDERAL 1022-28O	SWSE	15285	28 10S	22E	WASATCH/MESAVERDE	from MVRD
4304736419	STATE 1021-36A	NENE	15035	36 10S	21E	WASATCH/MESAVERDE	
4304738849	STATE 1021-36K	NESW	16084	36 10S	21E	WASATCH/MESAVERDE	
4304735736	FEDERAL 1022-28M	SWSW	15286	28 10S	22E	WASATCH/MESAVERDE	
4304736420	STATE 1021-36P	SESE	15372	36 10S	21E	WASATCH/MESAVERDE	
4304738850	STATE 1021-36C	NENW	16396	36 10S	21E	WASATCH/MESAVERDE	
4304734861	FEDERAL 29-10-22	SESE	14006	29 10S	22E	MESAVERDE	To WSMVD
4304735577	FEDERAL 1022-33O	SWSE	15080	33 10S	22E	WASATCH/MESAVERDE	
4304735739	FEDERAL 1022-33E	SWNW	15193	33 10S	22E	WASATCH/MESAVERDE	
4304735740	FEDERAL 1022-33M	SWSW	15373	33 10S	22E	WASATCH/MESAVERDE	
4304735741	FEDERAL 1022-33L	NWSW	15511	33 10S	22E	WASATCH/MESAVERDE	
4304735742	FEDERAL 1022-33G	SWNE	15404	33 10S	22E	WASATCH/MESAVERDE	from MVRD
4304735743	FEDERAL 1022-33C	NENW	15405	33 10S	22E	WASATCH/MESAVERDE	
4304735744	FEDERAL 1022-33A	NENE	15539	33 10S	22E	WASATCH/MESAVERDE	
4304737105	FEDERAL 1022-33D	NWNW	16502	33 10S	22E	WASATCH/MESAVERDE	
4304737106	FEDERAL 1022-33F	SENW	16560	33 10S	22E	WASATCH/MESAVERDE	from WSTC
4304737107	FEDERAL 1022-33K	NESW	16124	33 10S	22E	WASATCH/MESAVERDE	
4304737109	FEDERAL 1022-33N	SESW	16126	33 10S	22E	WASATCH/MESAVERDE	
4304737110	FEDERAL 1022-33B	NWNE	16561	33 10S	22E	WASATCH/MESAVERDE	
4304735810	STATE 1021-36E	SWNW	14295	36 10S	21E	WASATCH/MESAVERDE	