

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No.
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		8. Lease Name and Well No. SOUTHMAN CANYON 923-310
2. Name of Operator WESTPORT OIL & GAS COMPANY, L.P.		9. API Well No. 43-047-372-05
3A. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078	3b. Phone No. (include area code) (435) 781-7060	10. Field and Pool, or Exploratory Natural Buttes
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWSE 692' FSL 1802' FEL 639515X 39.987222 At proposed prod. Zone 4427408Y -109,365946		11. Sec., T., R., M., or Blk, and Survey or Area SEC 31-T9S-R23E
14. Distance in miles and direction from nearest town or post office* 22.5 MILES SOUTHEAST OF OURAY, UTAH		12. County or Parish UINTAH
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 692'		13. State UT
16. No. of Acres in lease 1922.95		17. Spacing Unit dedicated to this well 40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C		20. BLM/BIA Bond No. on file CO-1203
19. Proposed Depth 8650'		21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5088.2' GL
22. Approximate date work will start* UPON APPROVAL		23. Estimated duration TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) DEBRA DOMENICI	Date 9/28/2005
Title ASSOCIATE ENVIRONMENTAL ANALYST		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 10-05-05
Title Office ENVIRONMENTAL SCIENTIST III		

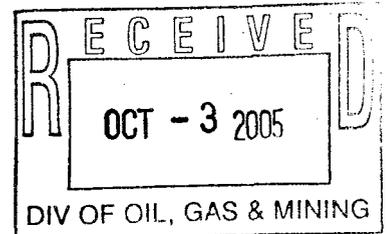
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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)

**Federal Approval of this
Action is Necessary**



R
22
E

R
23
E

T9S, R23E, S.L.B.&M.

S89°59'15"W - 5261.57' (Meas.)

N00°10'43"W - 2642.68' (Meas.)

N00°11'17"W - 2642.41' (Meas.)

T9S
T10S

S89°55'34"W - 2605.59' (Meas.)

S89°59'51"W - 2644.87' (Meas.)

N00°08'56"W - 2646.63' (Meas.)

N00°01'25"E - 2636.12' (Meas.)

1977 Brass Cap
0.8' High, Pile of
Stones, Steel Post

Brass Cap

Brass Cap

Lot 1

Lot 2

Lot 3

Lot 4

31

1977 Brass Cap
Pile of Stones,
Steel Post

1977 Brass Cap
0.2' High, Pile
of Stones

1997 Brass Cap,
0.3' High, Pile of
Stones, Steel Post

1977 Brass Cap
Pile of Stones

SOUTHMAN CANYON #923-310
Elev. Ungraded Ground = 5088'

1802'

692'

WESTPORT OIL AND GAS COMPANY, L.P.

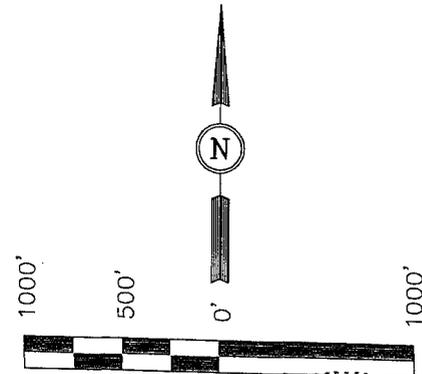
Well location, SOUTHMAN CANYON #923-310,
located as shown in the SW 1/4 SE 1/4 of
Section 31, T9S, R23E, S.L.B.&M. Uintah County,
Utah.

BASIS OF ELEVATION

BENCH MARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF
SECTION 30, T9S, R23E, S.L.B.&M. TAKEN FROM THE RED
WASH SE, 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 5132 FEET.

BASIS OF BEARINGS

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



SCALE
CERTIFICATE

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

[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 39°59'13.70" (39.987139)

LONGITUDE = 109°21'59.61" (109.366558)

(NAD 27)

LATITUDE = 39°59'13.82" (39.987172)

LONGITUDE = 109°21'57.16" (109.365878)

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 07-27-05	DATE DRAWN: 08-03-05
PARTY D.K. L.K. P.M.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE WESTPORT OIL AND GAS COMPANY, L.P.	

SOUTHMAN CANYON 923-310
SWSE SEC 31-T9S-R23E
UINTAH COUNTY, UTAH
UTU-33433

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1325'
Wasatch	4325'
Mesaverde	6600'
TD	8650'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1325'
Gas	Wasatch	4325'
Gas	Mesaverde	6600'
Water	N/A	
Other Minerals	N/A	

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

Please refer to the attached Drilling Program.

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

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program.

6. **Evaluation Program:**

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8650' TD, approximately equals 3460 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1557 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 refer to the attached Drilling Program.

10. **Other Information:**

Please refer to the attached Drilling Program.



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'						
SURFACE	9-5/8"	0 to 2000	32.30	H-40	STC	2270 0.77*****	1370 1.58	254000 4.49
PRODUCTION	4-1/2"	0 to 8650	11.60	M-80 or I-80	LTC	7780 2.63	6350 1.31	201000 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 = 10.8 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 2955 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	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	Option 1						
	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
SURFACE	Option 2		NOTE: If well will circulate water to surface, option 2 will be utilized				
	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	3,820'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	400	60%	11.00	3.38
	TAIL	4,830'	50/50 Poz/G + 10% salt + 2% gel	1350	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: _____
 Brad Laney

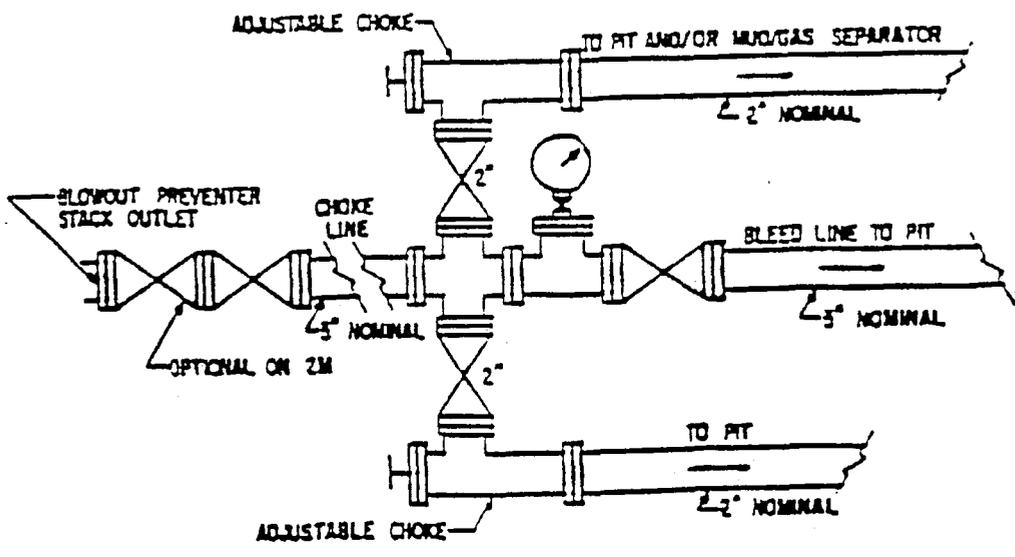
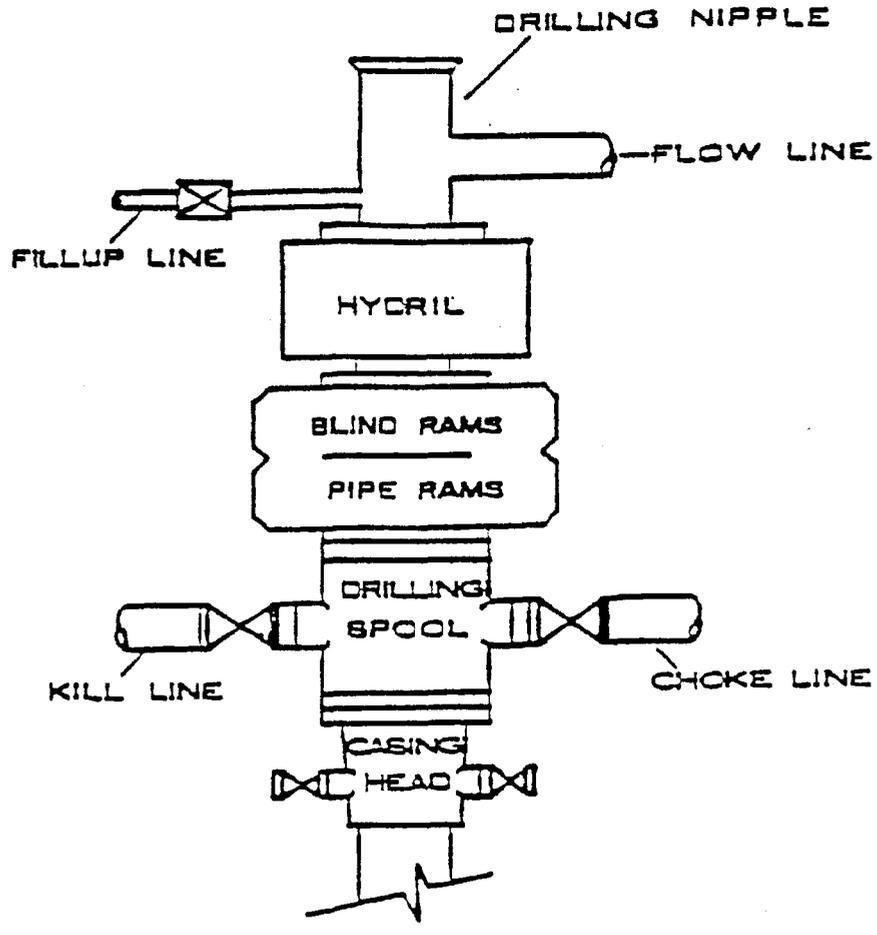
DATE: _____

DRILLING SUPERINTENDENT: _____
 Randy Bayne

DATE: _____

3,000 PSI

EOP STACK



SOUTHMAN CANYON 923-310
SWSE SEC 31-T9S-R23E
UINTAH COUNTY, UTAH
UTU-33433

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Directions to the proposed location are attached.

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

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:**

The proposed access road is approximately 0.1 miles +/- . Refer to Topo Map B.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

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 requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

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

Refer to Topo Map D for the placement of the proposed pipeline.

Exceptions to Best Management Practices (BMPs) Requested:

Approximately 329' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil type has a poor history for successful rehabilitation.

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.

Where available a 2" or 3" poly pipe will be installed with the existing rights-of-way to supply water during drilling and completion operations. There will be no new disturbance needed and the poly line will be removed after completion operations. The fresh water will be supplied from the power plant located within the following Sections 23, 24, 25, 26, 35, & 36, T8S, R23E.

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.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, 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. (Request is in lieu of filing Form 3160-5, after initial production).

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).

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

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.

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.

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 of the pit, the stockpiled topsoil will be spread evenly over the location up to the rig anchor points, the location shall be reshaped to the

original contour to the extent possible, and the location will be reseeded with Crested Wheatgrass using appropriate reclamation methods.

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:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435) 789-1362

12. Other Information:

A Class III archaeological survey and a paleontological survey have been completed and the reports will be submitted separately.

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.

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.

Seed Mixture:

The following seed mixture will be used during interim reclamation:

Crested Wheatgrass	6 lbs/acre
Needle and Thread Grass	6 lbs/acre

Operator will contact the BLM for the seed mixture when final reclamation of the location occurs.

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

Debra Domenici
Associate Environmental Analyst
Westport O&G Co.
1368 South 1200 East
Vernal, UT 84078
(435) 781-7060

Randy Bayne
Drilling Manager
Westport O&G Co.
1368 South 1200 East
Vernal, UT 84078
(435)781-7018

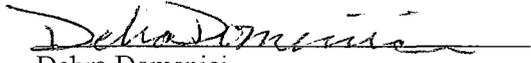
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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 Oil & Gas Company is considered to be the operator of the subject well. Westport Oil & Gas Company agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #CO-1203.

I hereby certify that the proposed drill site and access route has been inspected and 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.


Debra Domenici

September 28, 2005
Date

WESTPORT OIL AND GAS COMPANY, L.P.
SOUTHMAN CANYON #923-310
SECTION 31, T9S, R23E, 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 IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 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 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN WESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 53.5 MILES.

WESTPORT OIL AND GAS COMPANY, L.P.
SOUTHMAN CANYON #923-310
 LOCATED IN UINTAH COUNTY, UTAH
 SECTION 31, T9S, R23E, S.L.B.&M.

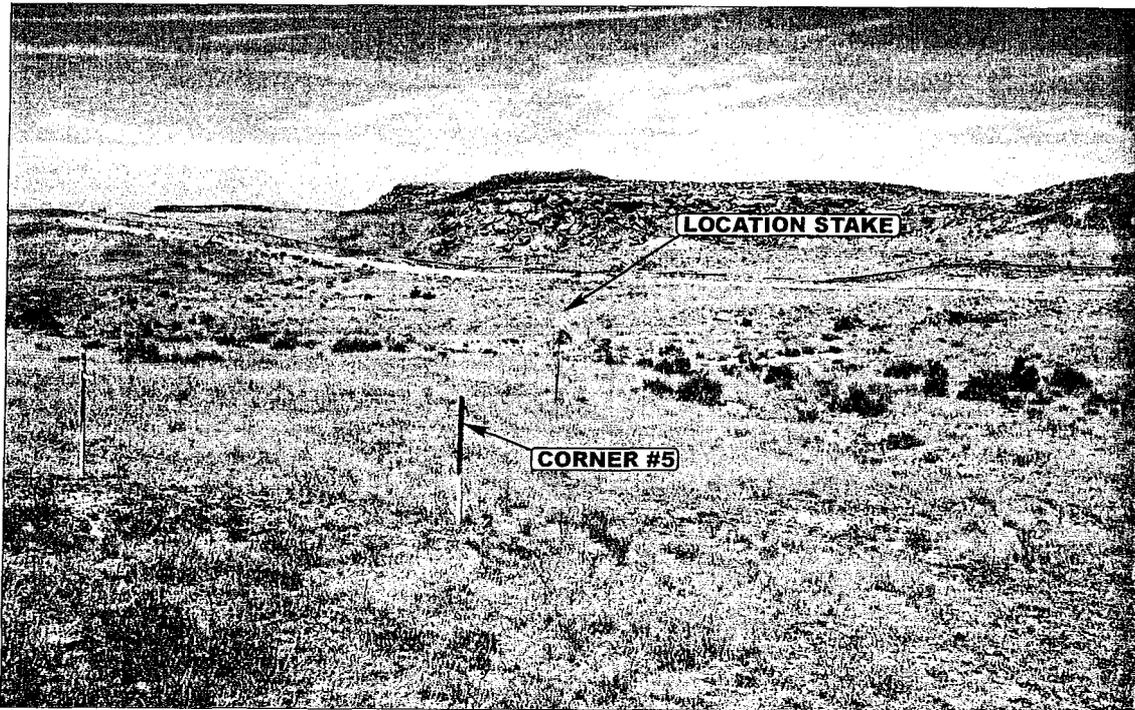


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

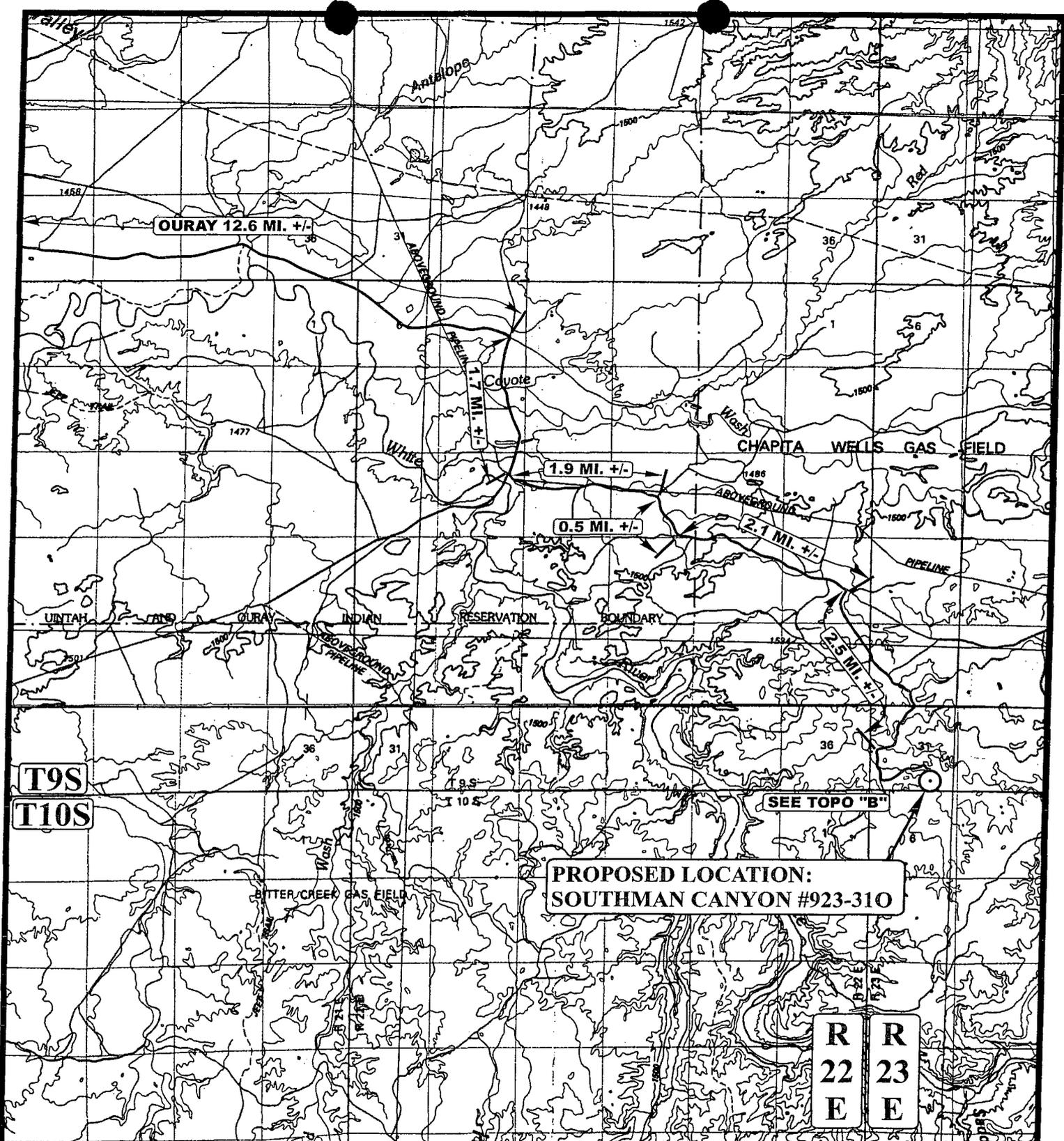
CAMERA ANGLE: SOUTHERLY



- Since 1964 -

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

LOCATION PHOTOS			08	05	03	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: D.K.	DRAWN BY: C.H.	REVISED: 00-00-00				



T9S
T10S

**PROPOSED LOCATION:
SOUTHMAN CANYON #923-310**

R R
22 23
E E

LEGEND:

○ PROPOSED LOCATION



WESTPORT OIL AND GAS COMPANY, L.P.

**SOUTHMAN CANYON #923-310
SECTION 31, T9S, R23E, S.L.B.&M.
692' FSL 1802' FEL**



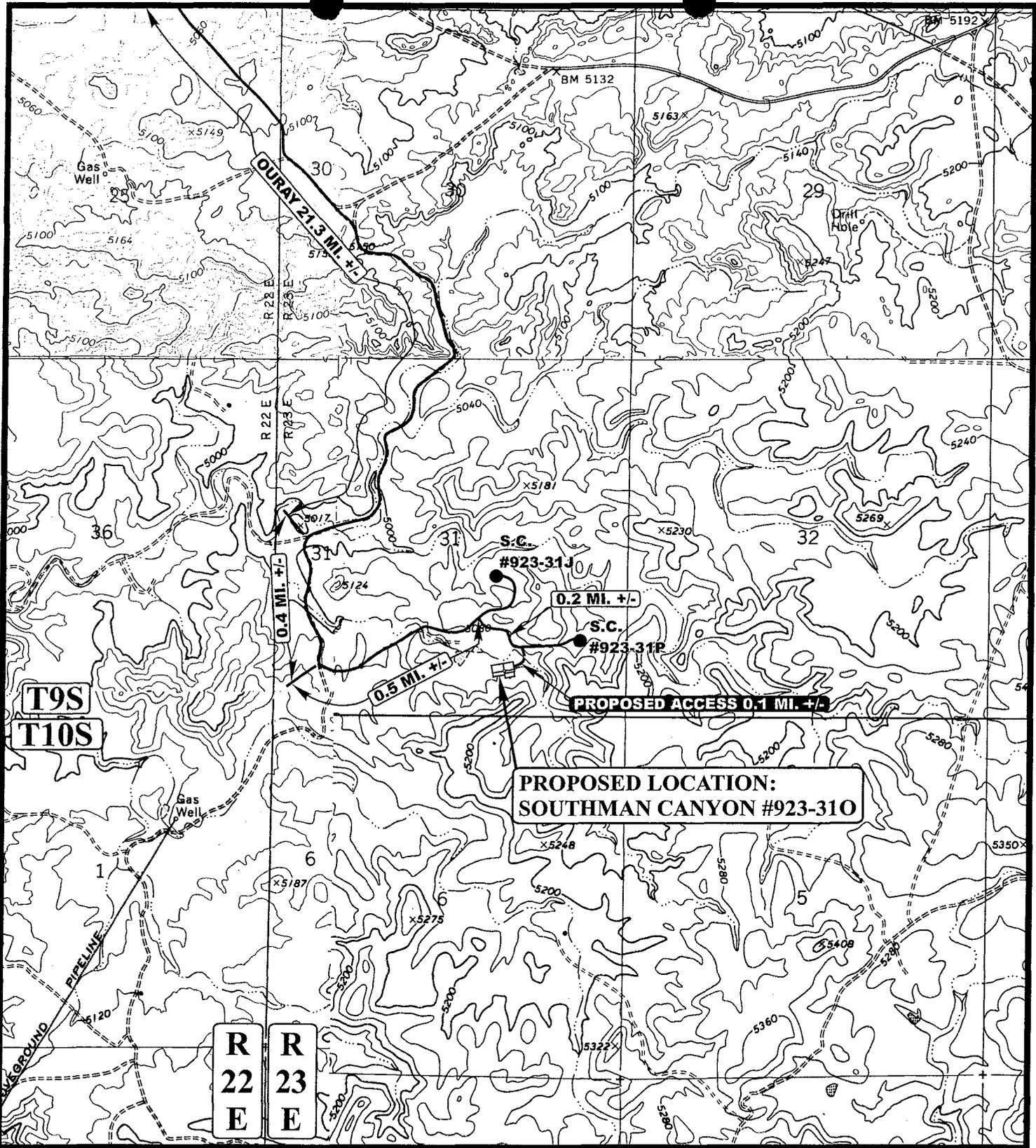
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

08 05 05
MONTH DAY YEAR

SCALE: 1:100,000 | DRAWN BY: C.H. | REVISED: 00-00-00





**PROPOSED LOCATION:
SOUTHMAN CANYON #923-310**

LEGEND:

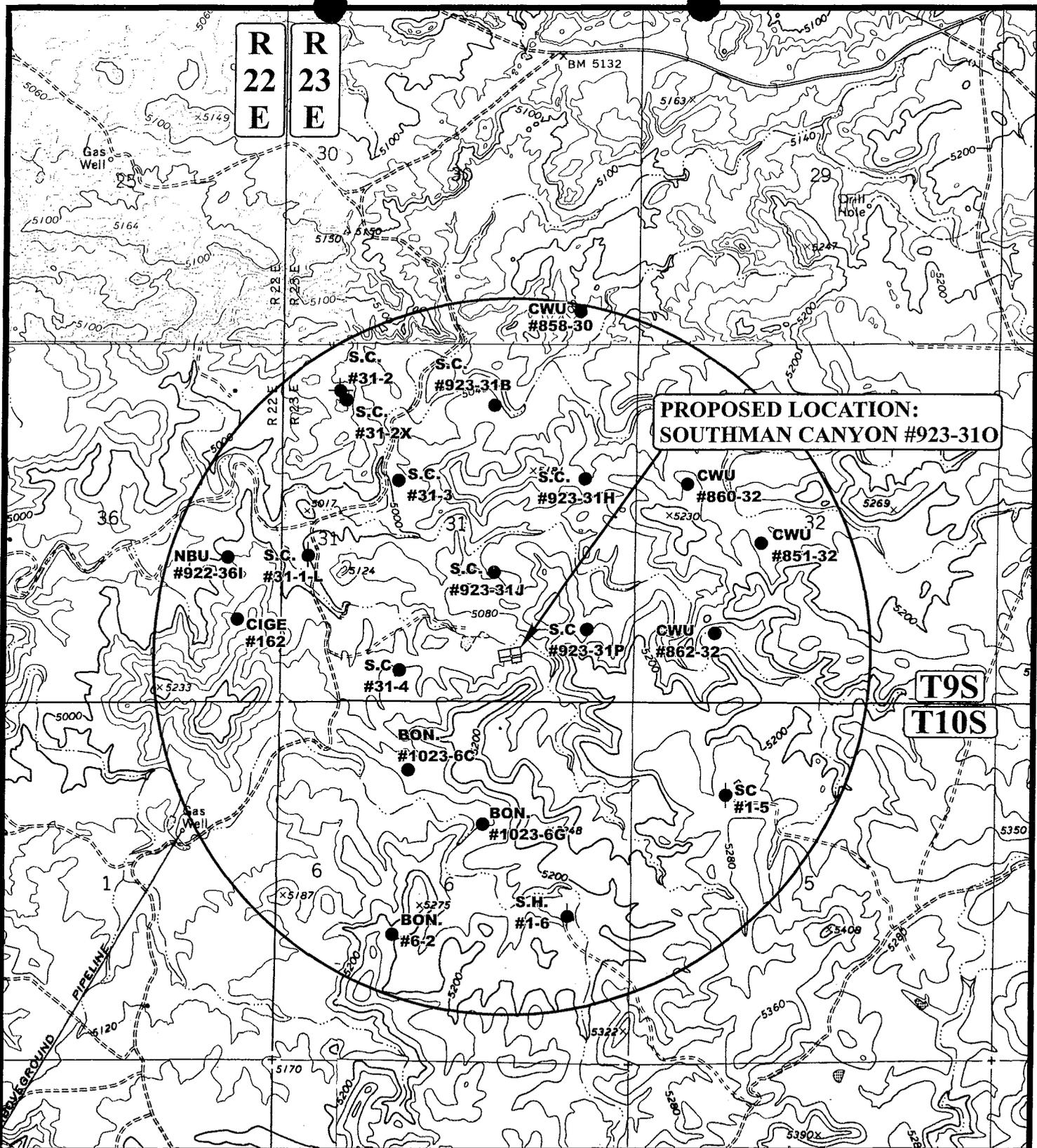
- PROPOSED ACCESS ROAD
- EXISTING ROAD

WESTPORT OIL AND GAS COMPANY, L.P.
SOUTHMAN CANYON #923-310
SECTION 31, T9S, R23E, S.L.B.&M.
692' FSL 1802' FEL

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



TOPOGRAPHIC **08** **05** **05**
MAP MONTH DAY YEAR
SCALE: 1" = 2000' **DRAWN BY: C.H.** **REVISED: 00-00-00** **B**
TOPO



**PROPOSED LOCATION:
SOUTHMAN CANYON #923-310**

LEGEND:

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

WESTPORT OIL AND GAS COMPANY, L.P.

**SOUTHMAN CANYON #923-310
SECTION 31, T9S, R23E, S.L.B.&M.
692' FSL 1802' FEL**

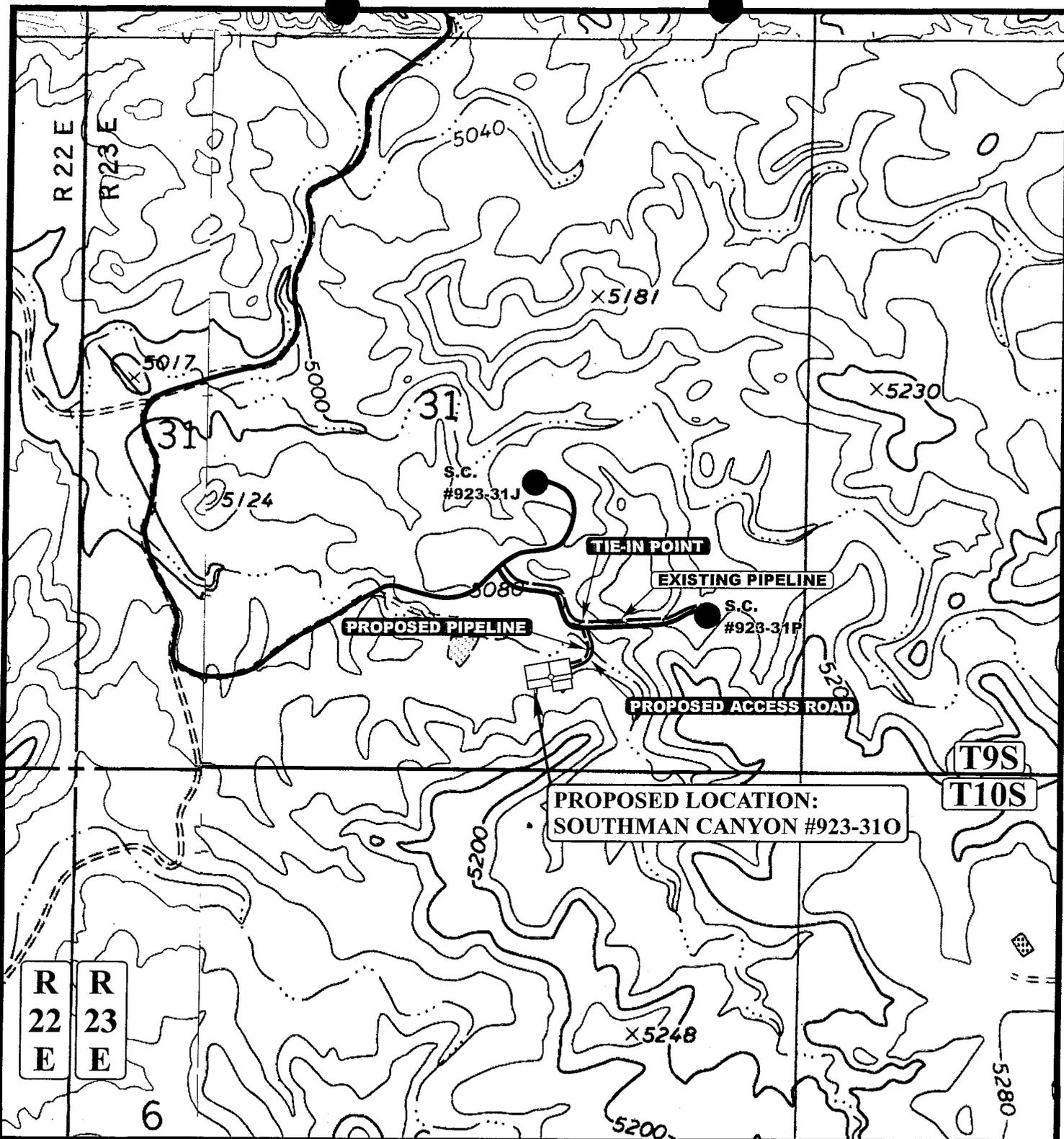


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



TOPOGRAPHIC MAP 08 05 05
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.H. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 329' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE

WESTPORT OIL AND GAS COMPANY, L.P.

SOUTHMAN CANYON #923-310
SECTION 31, T9S, R23E, S.L.B.&M.
692' FSL 1802' FEL



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

TOPOGRAPHIC
MAP

08	05	05
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: C.H. REVISED: 00-00-00

D
TOPO

WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #1

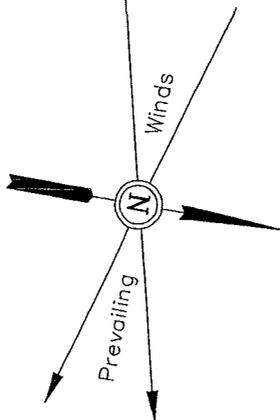
LOCATION LAYOUT FOR

SOUTHMAN CANYON #923-310
SECTION 31, T9S, R23E, S.L.B.&M.

C-8.8' 692' FSL 1802' FEL
El. 5094.3'

Approx. Toe of Fill Slope

F-9.1' El. 5076.4'



SCALE: 1" = 50'
DATE: 08-03-05
Drawn By: P.M.

Approx. Top of Cut Slope

Sta. 3+50

C-0.8' El. 5086.3'

Round Corners as Needed

Pit Topsoil

Reserve Pit Backfill & Spoils Stockpile

NOTE:

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

FLARE PIT

C-8.7' El. 5094.2'

PIPE TUBS

PIPE RACKS

El. 5105.4'
C-29.9' (btm. pit)

El. 5105.4'

Existing Drainage

RESERVE PITS (10' Deep)

Existing Drainage

Total Pit Capacity W/2' of Freeboard = 15,490 Bbls. ±
Total Pit Volume = 4,280 Cu. Yds.

58'

C-7.8' El. 5093.3'

10'

58'

150'

C-8.4' El. 5093.9'

58'

C-9.9' El. 5095.4'

10'

200'

GATWALK

RIG

MUD TANKS

MUD TANKS

TRASH

PROpane STORAGE

3

C-2.7' 5088.2'

DOC HOUSE

DOG HOUSE

PUMP HOUSE

150'

150'

C-7.2' El. 5092.7'

2

135'

Sta. 1+50

TOILET

TRAILER

WATER TANK

Existing Drainage

LIGHT PLANT

BOILER

COMPRESSOR

BOOSTER

Sta. 0+50

Sta. 0+00

F-6.5' El. 5079.0'

Existing Drainage

Topsoil Stockpile

Proposed Access Road

F-3.0' El. 5082.5'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5088.2'
FINISHED GRADE ELEV. AT LOC. STAKE = 5085.5'

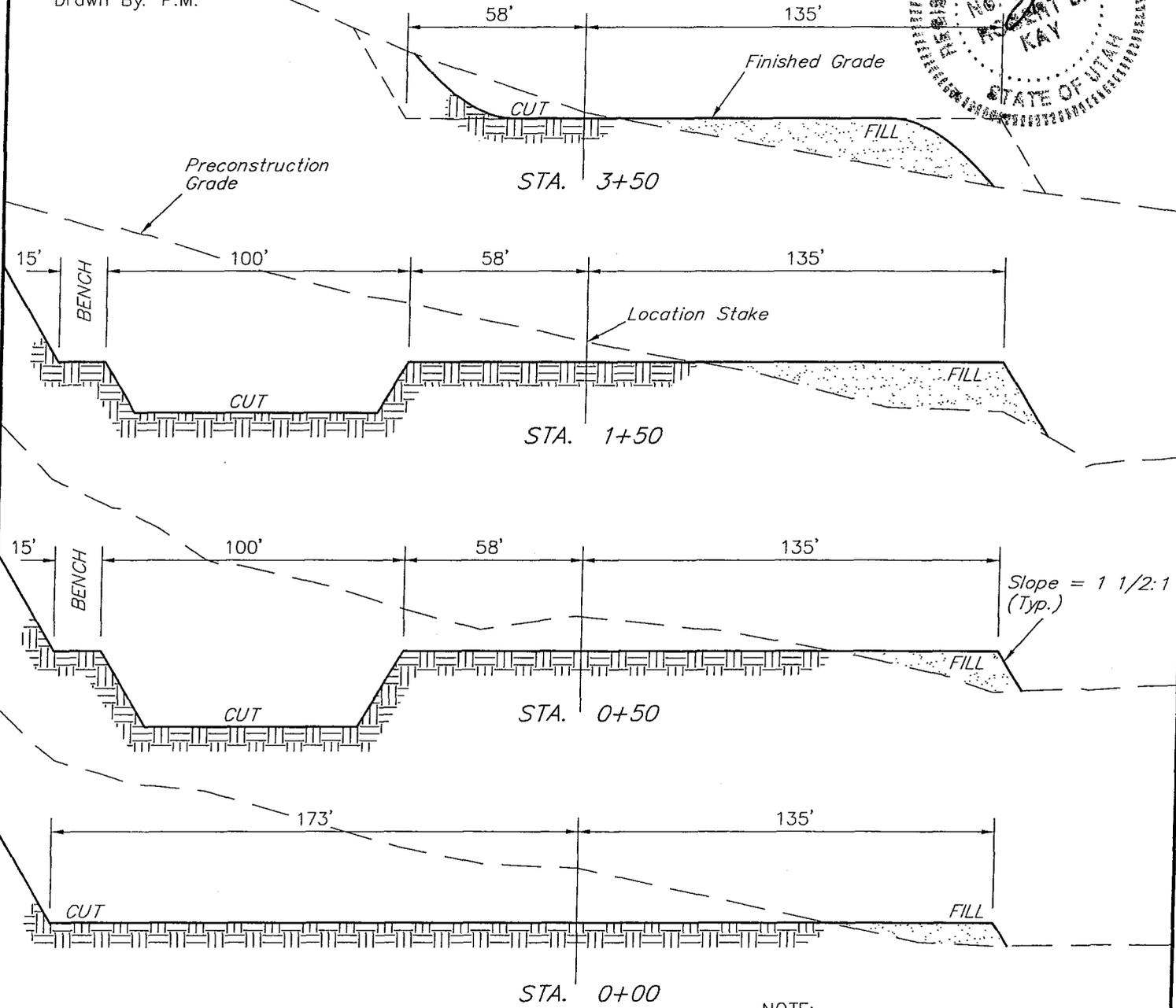
WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #2

TYPICAL CROSS SECTIONS FOR
SOUTHMAN CANYON #923-310
SECTION 31, T9S, R23E, S.L.B.&M.
692' FSL 1802' FEL

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

DATE: 08-03-05
Drawn By: P.M.



* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

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

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 2,370 Cu. Yds.
Remaining Location	= 26,630 Cu. Yds.
TOTAL CUT	= 29,000 CU.YDS.
FILL	= 5,740 CU.YDS.

EXCESS MATERIAL	= 23,260 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,510 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 18,750 Cu. Yds.

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/03/2005

API NO. ASSIGNED: 43-047-37205

WELL NAME: SOUTHMAN CYN 923-310
 OPERATOR: WESTPORT OIL & GAS CO (N2115)
 CONTACT: DEBRA DOMENICI

PHONE NUMBER: 435-781-7060

PROPOSED LOCATION:

SWSE 31 090S 230E
 SURFACE: 0692 FSL 1802 FEL
 BOTTOM: 0692 FSL 1802 FEL
 UINTAH
 NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-33433
 SURFACE OWNER: 1 - Federal
 PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

LATITUDE: 39.98722
 LONGITUDE: -109.3660

RECEIVED AND/OR REVIEWED:

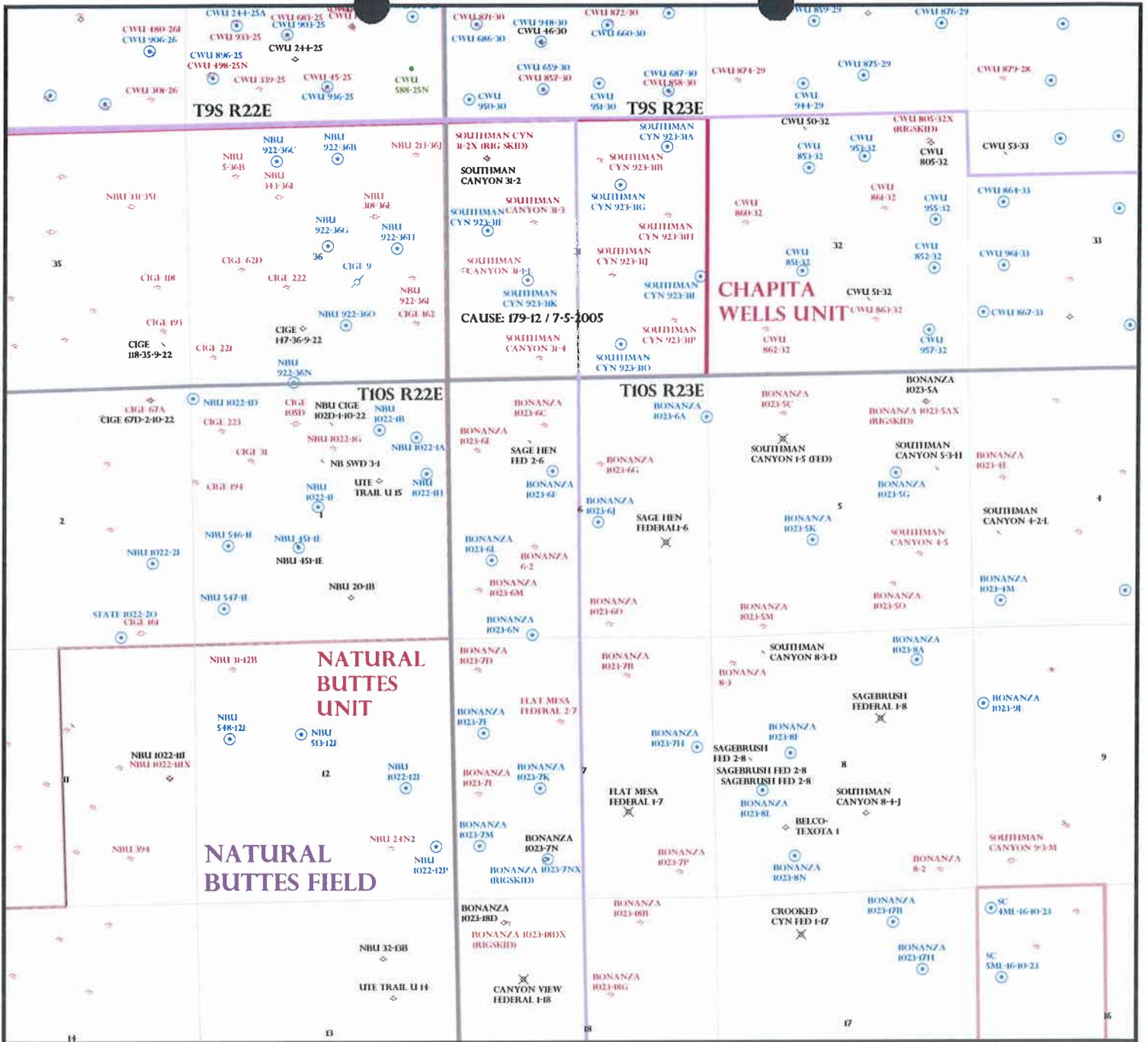
- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. CO-1203)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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: 179-12
Eff Date: 7-5-05
Siting: 460' fr west dir 1 well & 920' fr other wells.
- ___ R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: 1- Federal Approval



OPERATOR: WESTPORT O&G CO (N2115)

SEC: 31 T. 9S R. 23E

FIELD: NATURAL BUTTES (630)

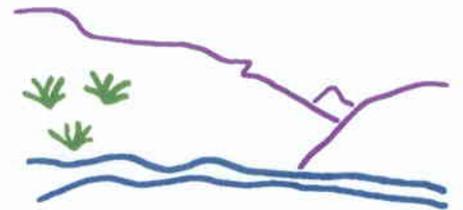
COUNTY: UINTAH

CAUSE: 179-12 / 7-5-2005

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

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

- Wells Status**
- 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
 - DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 04-OCTOBER-2005



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

October 5, 2005

Westport Oil & Gas Company, LP
1368 South 1200 East
Vernal, UT 84078

Re: Southman Canyon 923-310 Well, 692' FSL, 1802' FEL, SW SE, Sec. 31,
T. 9 South, R. 23 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 43-047-37205.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Westport Oil & Gas Company, LP
Well Name & Number Southman Canyon 923-310
API Number: 43-047-37205
Lease: UTU-33433

Location: SW SE Sec. 31 T. 9 South R. 23 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

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

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. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

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

WELL NAME	CA No.	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
-----------	--------	-----	-----	-----	--------	-----------	------------	-----------	-------------

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- 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 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:

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

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (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:

- (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:

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

1. Type of Well
 Oil Well Gas Well Other

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

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

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

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

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

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
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> 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 10 2006
 DIV. OF OIL, GAS & MINING

BLM BOND = C01203
BIA BOND = RLB0005239

APPROVED 5116106
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) RANDY BAYNE	Title DRILLING MANAGER
Signature <i>Randy Bayne</i>	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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

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

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

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

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			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplate 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) BRAD LANEY	Title ENGINEERING SPECIALIST
Signature <i>Brad Laney</i>	Date May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by <i>Brad Laney</i>	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.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)
3106
COC017387 et. al.

March 23, 2006

NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :
1999 Broadway, Suite 3700 : Oil & Gas
Denver, CO 80202 :

Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell
Martha L. Maxwell
Land Law Examiner
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>

IN REPLY REFER TO:
3106
(UT-922)

March 27, 2006

Memorandum

To: Vernal Field Office
From: Chief, Branch of Fluid Minerals
Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of
Fluid Minerals

Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare
Dave Mascarenas
Susan Bauman

RECEIVED

MAR 28 2006

U.S. DEPT. OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737205
Well Name: SOUTHMAN CANYON 923-310
Location: SWSE SEC 31-T9S-R23E
Company Permit Issued to: KERR MCGEE OIL AND GAS ONSHORE LP
Date Original Permit Issued: 10/5/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No

Lamey Hoopes
Signature

9/25/2006
Date

Title: REGULATORY CLERK

Representing: Kerr McGee Oil and Gas Onshore LP

OCT 11 2006

SEP 30 2005

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-33433	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP		7. If Unit or CA Agreement, Name and No.	
3A. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078		8. Lease Name and Well No. SOUTHMAN CANYON 923-310	
3b. Phone No. (include area code) (435) 781-7003		9. API Well No. 43047.37205	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWSE 692' FSL 1802' FEL At proposed prod. Zone		10. Field and Pool, or Exploratory	
14. Distance in miles and direction from nearest town or post office* 22.5 MILES SOUTHEAST OF OURAY, UTAH		11. Sec., T., R., M., or Blk. and Survey or Area SEC 31-T9S-R23E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 692'	16. No. of Acres in lease 1922.95	17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 8650'	20. BLM/BIA Bond No. on file CO-1203	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5088.2' GL	22. Approximate date work will start* UPON APPROVAL	23. Estimated duration TO BE DETERMINED	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) RAMEY HOOPES	Date 4/17/2006
Title REGULATORY CLERK		
Approved by (Signature) 	Name (Printed/Typed) JERRY KEWKA	Date 5-18-2007
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval 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.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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)

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED RECEIVED

MAY 24 2007

DIV. OF OIL, GAS & MINING

NO5 Rec 8/13/05
066XJ0205A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee Oil & Gas Onshore, LP Location: SWSE, Sec. 31, T9S, R23E
Well No: Southman Canyon 923-310 Lease No: UTU-33433
API No: 43-047-37205 Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer:	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer:	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer:	Ryan Angus	435-781-4430	
Supervisory Petroleum Technician:	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist:	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist:	Karl Wright	435-781-4484	
NRS/Enviro Scientist:	Holly Villa	435-781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	435-781-4441	
NRS/Enviro Scientist:	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist:	Michael Cutler	435-781-3401	
NRS/Enviro Scientist:	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist:	Darren Williams	435-781-4447	
NRS/Enviro Scientist:	Nathan Packer	435-781-3405	

After Hours Contact Number: 435-781-4513 Fax: 435-781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

- | | |
|--|--|
| Location Construction
(Notify NRS/Enviro Scientist) | - Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion
(Notify NRS/Enviro Scientist) | - Prior to moving on the drilling rig. |
| Spud Notice
(Notify Petroleum Engineer) | - Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing
(Notify Supervisory Petroleum Technician) | - Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests
(Notify Supervisory Petroleum Technician) | - Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice
(Notify Petroleum Engineer) | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

General Surface COAs

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

Specific Surface COAs

- During operations, if any vertebrate paleontological resources are discovered, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hrs of the discovery, and a decision as to the preferred alternative/course of action will be rendered.
- The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be recontoured and the topsoil respread, and the area shall be seeded in the same manner as the location topsoil.
- Once the location is plugged and abandoned, it shall be recontoured to natural contours, topsoil respread where appropriate, and the entire location seeded with the recommended seed mix. Seeding shall take place by broadcasting the seed and walking it into the soil with a dozer immediately after the dirt work is completed.
- A Paleontologist acceptable to the BLM will monitor construction activity for surface disturbing activities described in the APD. If paleontologic resources are uncovered during construction activities, the operator shall immediately suspend all operations that will further disturb such resources, and immediately notify the Authorized Officer (AO). The AO will arrange for a determination of significance and, if necessary, recommend a recovery or avoidance plan.
- The lessee/operator is given notice that lands on the lease have a stipulation. It is requested that the lessee/operator not initiate surface disturbing activities or drilling from May 15 through July 20.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- None

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location $\frac{1}{4}$ $\frac{1}{4}$, Sec., Twn, Rng, and P.M..
 - Date well was placed in a producing status date of first production for which royalty will be paid.
 - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include

deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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.

5. Lease Serial No.
UTU-33433

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
SOUTHMAN CANYON 923-310

9. API Well No.
4304737205

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR MCGEE OIL AND GAS ONSHORE LP

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

3b. Phone No. (include area code)
435-781-7003

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**692'FSL-1802'FEL
SWSE SEC 31-T9S-R23E**

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

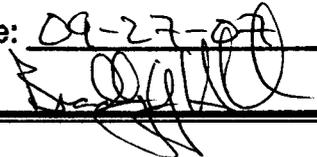
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other APD EXTENSION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	DOG M
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplate 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.

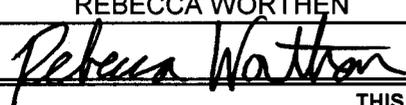
THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL AND GAS ON OCTOBER 5, 2005.

Approved by the
Utah Division of
Oil, Gas and Mining

9-28-07
RM

Date: 09-27-07
By: 

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

Name (Printed/Typed) REBECCA WORTHEN	Title LAND SPECIALIST
Signature 	Date September 18, 2007

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)

RECEIVED

SEP 25 2007

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304737205
Well Name: SOUTHMAN CANYON 923-310
Location: SWSE SEC 31-T9S-R23E
Company Permit Issued to: Kerr McGee Oil and Gas Onshore LP
Date Original Permit Issued: 10/5/2004

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No

Rebecca Worthen
Signature

9/18/2007
Date

Title: Land Specialist

Representing: Kerr McGee Oil and Gas Onshore LP

RECEIVED
SEP 25 2007
DIV. OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: KERR-McGEE OIL & GAS ONSHORE, LP

Well Name: SOUTHMAN CYN 923-310

Api No: 43-047-37205 Lease Type: FEDERAL

Section 31 Township 09S Range 23E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

SPUDDED:

Date 04/29/08

Time 11:00 AM

How DRY

Drilling will Commence: _____

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 04/30/08 Signed CHD

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
4304738235	BONANZA 1023-11G		SWNE	11	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>A</i>	99999	<i>16826</i>	4/29/2008			<i>4/30/08</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</i> SPUD WELL LOCATION ON 04/29/2008 AT 0800 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737205	SOUTHMAN CANYON 923-310		SWSE	31	9S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>A</i>	99999	<i>16827</i>	4/29/2008			<i>4/30/08</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</i> SPUD WELL LOCATION ON 04/29/2008 AT 1100 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737364	SOUTHMAN CANYON 923-31M		SWSW	31	9S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>A</i>	99999	<i>16828</i>	4/29/2008			<i>4/30/08</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</i> SPUD WELL LOCATION ON 04/29/2008 AT 1330 HRS.							

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 UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

Title

4/30/2008

Date

RECEIVED

APR 30 2008

DIV. OF OIL, GAS & MINING

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.

5. Lease Serial No.

UTU-33433

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

8. Well Name and No.

SOUTHMAN CANYON 923-310

9. API Well No.

4304737205

10. Field and Pool, or Exploratory Area

UNDESIGNATED

11. County or Parish, State

UINTAH COUNTY, UTAH

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

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

SW/SE SEC. 31, T9S, R23E 692'FSL, 1802'FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>WELL SPUD</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.

MIRU PETE MARTIN BUCKETRIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 04/29/2008 AT 1100 HRS.

RECEIVED

MAY 08 2008

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

April 30, 2008

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.

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.

5. Lease Serial No.
UTU-33433

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
SOUTHMAN CANYON 923-310

9. API Well No.
4304737205

10. Field and Pool, or Exploratory Area
UNDESIGNATED

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SW/SE SEC. 31, T9S, R23E 692'FSL, 1802'FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other <u>SET SURFACE</u>
			<u>CSG</u>

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.

MIRU PROPETRO AIR RIG ON 05/07/2008. DRILLED 12 1/4" SURFACE HOLE TO 2120'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/300 SX PREM CLASS G @15.8 PPG 1.15 YIELD. TAILED CMT W/ 150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT 590 PSI LIFT. TOP OUT W/400 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

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

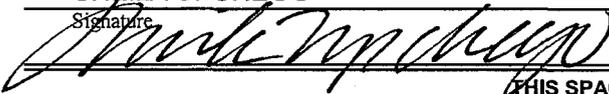
Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature



Date

May 13, 2008

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)

RECEIVED
MAY 19 2008

DIV. OF OIL, GAS & MINING

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.

5. Lease Serial No.
UTU-33433

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
SOUTHMAN CANYON 923-310

9. API Well No.
4304737205

10. Field and Pool, or Exploratory Area
UNDESIGNATED

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SW/SE SEC. 31, T9S, R23E 692'FSL, 1802'FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other FINAL DRILLING OPERATIONS
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.

FINISHED DRILLING FROM 2120' TO 8505' ON 06/24/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/215 SX PREM LITE II @11.3 PPG 3.01 YIELD. TAILED CMT W/1195 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/135 BBLS CLAY TREAT + 1 GAL MAGNACIDE SET MANDREL W/60K STRING WT TEST MANDREL TO 5000 PSI. NIPPLE DOWN BOP CLEAN MUD PITS.

RELEASED PIONEER RIG 68 ON 06/25/2008 AT 2100 HRS.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title SENIOR LAND ADMIN SPECIALIST
Signature 	Date June 26, 2008

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)

JUN 30 2008

DIV. OF OIL, GAS & MINING

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.

5. Lease Serial No.
UTU-33433

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
SOUTHMAN CANYON 923-310

9. API Well No.
4304737205

10. Field and Pool, or Exploratory Area
UNDESIGNATED

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE – Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SW/SE SEC. 31, T9S, R23E 692'FSL, 1802'FEL

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other PRODUCTION START-UP

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.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 08/08/2008 AT 10:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

RECEIVED
AUG 13 2008

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) SHEILA UPCHEGO	Title REGULATORY ANALYST
Signature 	Date August 11, 2008

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.

Wins No.: 95099

SOUTHMAN CANYON 923-310

Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME SOUTHMAN CANYON	SPUD DATE 04/29/2008	GL 5,088	KB 5106	ROUTE
API 4304737205	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 39.98714 / -109.36656		Q-Q/Sec/Town/Range: SWSE / 31 / 9S / 23E	Footages: 692.00' FSL 1,802.00' FEL		

Wellbore: SOUTHMAN CANYON 923-310

MTD 8,505	TVD 8,495	PBMD	PBTVD
EVENT INFORMATION:	EVENT ACTIVITY: DRILLING	START DATE: 4/29/2008	AFE NO.: 2013634
	OBJECTIVE: DEVELOPMENT	END DATE:	
	OBJECTIVE 2: ORIGINAL	DATE WELL STARTED PROD.: .	
	REASON: MV	Event End Status:	

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
PETE MARTIN DRILLING / UI	04/29/2008	04/29/2008	04/29/2008	04/29/2008	04/30/2008	04/29/2008	04/29/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation	MD:
4/29/2008	SUPERVISOR: LEW WELDON							58
	11:00 - 17:00	6.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 1100 HR 4/29/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 68 BLM AND STATE NOTIFIED OF SPUD	
5/7/2008	SUPERVISOR: LEW WELDON							510
	13:00 - 0:00	11.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1300 HR 5/7/08 HIT WATER ZONE @ 420' DA AT REPORT TIME	
5/8/2008	SUPERVISOR: LEW WELDON							900
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 780'	
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 900'	
5/9/2008	SUPERVISOR: LEW WELDON							1,320
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1020'	
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1320'	
5/10/2008	SUPERVISOR: LEW WELDON							1,800
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1560'	
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD HIT TRONA WATER @ 1620' CIRCULATING WITH SKID PUMP 1800'	
5/11/2008	SUPERVISOR: LEW WELDON							2,120
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2010'	

0:00 - 12:00	12.00	DRLSUR	02	P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2010'
12:00 - 20:00	8.00	DRLSUR	02	P	RIG T/D @ 2120' CONDITION HOLE 1 HR
20:00 - 0:00	4.00	DRLSUR	05	P	TRIP DP OUT OF HOLE @ REPORT TIME

5/12/2008 SUPERVISOR: LEW WELDON MD: 2,120

0:00 - 4:00	4.00	DRLSUR	11	P	RUN 1992' OF 9 5/8 CSG LAST TWO JNTS WOULDNT GO PREPAIR TO CIRCULATE PIPE DOWN
4:00 - 11:00	7.00	DRLSUR	11	P	CIRCULATE LAST TWO JNTS CSG DOWN WAS UNABLE TOLAND LAST JNT LEAVE 4' STICK UP AND PREPAIR TO CEMENT RIG DOWN AIR RIG
11:00 - 12:00	1.00	DRLSUR	15	P	CEMENT 1ST STAGE WITH 300 SKS @ 15.8# 1.15 5.0 GAL/SK NO RETURNS TO PIT 590 PSI LIFT
12:00 - 12:30	0.50	DRLSUR	15	P	1ST TOP JOB 150 SKS DOWN BS WOC
12:30 - 14:30	2.00	DRLSUR	15	P	2ND TOP JOB 100 SKS DOWN BS WOC
14:30 - 17:00	2.50	DRLSUR	15	P	3RD TOP JOB 150 SKS DOWN BS WOC
17:00 - 19:00	2.00	DRLSUR	15	P	4TH TOP JOB 150 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
19:00 - 19:00	0.00	DRLSUR			NO VISIBLE LEAKS PIT 1/4 FULL WORT

6/15/2008 SUPERVISOR: JAMES GOBER MD: 2,120

21:00 - 0:00	3.00	RDMO	01	E	P	RIG DOWN RIG AND READY FOR TRUCKS.
--------------	------	------	----	---	---	------------------------------------

6/16/2008 SUPERVISOR: JAMES GOBER MD: 2,120

0:00 - 10:00	10.00	RDMO	01	E	P	RIG DOWN RIG, READY RIG FOR TRUCKS.
10:00 - 12:00	2.00	RDMO	01	A	P	MOVE CAMPS OUT W/ MOUNTAIN WEST OIL FIELD SERVICE. RIG UP CAMPS.
12:00 - 15:00	3.00	RDMO	01	A	P	HOLD SAFETY MEETING W/ ALL RIG MOVERS. RIG DOWN AND MOVE RIG OUT W/ 6 HAUL TRUCKS, 4 BED TRUCKS, 2 FORKLIFTS, 4 SWAMPERS, 1 CRANE W/ 2 SWAMPERS. 4 MILE MOVE. TRUCKS AND CRANE ON LOCATION @ 12:00.
15:00 - 18:00	3.00	MIRU	01	A	P	MOVE RIG ON LOCATION AND SPOT ENTIRE RIG EXCEPT CHOKE HOUSE, GAS BUSTER, CHOKE HOUSE, UPRIGHTS.. TRUCKS HAD TO SHUT DOWN DUE TO HOURS.

18:00 - 20:00	2.00	MIRU	01	B	P	HALF MASS DERRICK AND RAISE SUB. FINISH CRANE WORK. RELEASE CRANE 20:00.
20:00 - 0:00	4.00	MIRU	01	B	P	FINISH RAISING DERRICK AND RIG UP RIG. 40% RIGGED UP. 90% SPOTTED IN.

6/17/2008	<u>SUPERVISOR:</u> JAMES GOBER						MD: 2,120
0:00 - 7:00	7.00	MIRU	01	B	P	RIG UP RIG, RIG UP FLOOR.	
7:00 - 8:30	1.50	MIRU	01	B	P	FINISH SPOTTING IN RIG W/ 2 TRUCKS. RELEASE TRUCKS 08:30.	
8:30 - 10:00	1.50	MIRU	01	B	P	RIG UP FLARE LINES, RIG UP ACCUM. HOUSE. READY PITS. (RESERVE PIT 1/4 FULL)	
10:00 - 14:30	4.50	DRLPRO	13	A	P	SAFETY MEETING. NIPPLE UP LOCKDOWN FLANGE AND 34" SPOOL, NIPPLE UP BOP'S, NIPPLE UP CHOKE LINE, AND FLOW LINE. HOOK UP BOP HYDRALICS AND FUNCTION TEST BOP'S.	
14:30 - 19:00	4.50	DRLPRO	13	C	P	PRESSURE TEST BLIND AND PIPE RAMS, UPPER AND LOWER KELLY VALVES, FLOOR VALVES AND INSIDE OUTSIDE BOP VALVES, CHOKE LINE AND CHOKE VALVES TO 5000 PSI HIGH TEST FOR 10 MIN AND 250 LOW TEST FOR 5 MIN. TEST HYDRIL TO 2500 PSI AND 250. TEST CSG TO 1500 PSI FOR 30 MIN.	
19:00 - 19:30	0.50	DRLPRO	13	B	P	INSTALL WEAR BUSHING, HOLD SAFETY MEETING W/ WEATHERFORD TRS LAYDOWN CREW.(ON LOCATION @ 07:00.	
19:30 - 22:30	3.00	DRLPRO	05	A	P	RIG UP LAYDOWN AND P/U DS TO 2000'. RIG DOWN LAYDOWN.	
22:30 - 23:00	0.50	DRLPRO	13	B	P	INSTALL ROT HEAD RUBBER AND TORQUE KELLY.	
23:00 - 0:00	1.00	DRLPRO	06	D	P	SLIP AND CUT DRILL LINE.	

6/18/2008	<u>SUPERVISOR:</u> JAMES GOBER						MD: 3,538
0:00 - 1:00	1.00	DRLPRO	06	D	P	SLIP AND CUT DRILLLINE	
1:00 - 1:30	0.50	DRLPRO	17		P	PRE SPUD INSPECTION.	
1:30 - 3:00	1.50	DRLPRO	02	F	P	DRILL CEMENT F/ 2000' FLOAT @ 2048, SHOE @ 2097. NEW HOLE 2120'	
3:00 - 5:00	2.00	DRLPRO	02	B	P	DRILL F/ 2120' TO 2240'	
5:00 - 5:30	0.50	DRLPRO	09	A	P	SURVEYS 2164' 3.17 DEGREES	

5:30 - 8:00	2.50	DRLPRO	02	B	P	DRILL F/2240' TO 2398' (158', 63.2)
8:00 - 8:30	0.50	DRLPRO	09	A	P	SURVEYS 2323' - 2.78 DEGREES
8:30 - 12:30	4.00	DRLPRO	02	B	P	DRILL F/ 2398' TO 2747' (349, 87/HR)
12:30 - 13:00	0.50	DRLPRO	06	A	P	RIG SERVICE
13:00 - 13:30	0.50	DRLPRO	09	A	P	SURVEY 2323'= 2.35 DEGREES
13:30 - 0:00	10.50	DRLPRO	02	B	P	DRILL F/ 2747' TO 3538' (791', 75.3'/HR) MUD WT 8.7 VIS 32

6/19/2008 SUPERVISOR: JAMES GOBER MD: 5,260

0:00 - 2:30	2.50	DRLPRO	02	B	P	DRILL F/ 3538' TO 3760' (222', 88.8'/HR) MUD WT 8.7 VIS 32
2:30 - 3:00	0.50	DRLPRO	09	A	P	SURVEY 3684' = 2.28 DEGREES
3:00 - 15:00	12.00	DRLPRO	02	B	P	DRILL F/ 3760' TO 4772' (1012', 84.3'/HR) MUD WT 9.1 VIS 34
15:00 - 15:30	0.50	DRLPRO	09	A	P	SURVEY 4697'= 2.69 DEGREES
15:30 - 16:00	0.50	DRLPRO	06	A	P	RIG SERVICE, FUNCTION BOP. BOP DRILL
16:00 - 0:00	8.00	DRLPRO	02	B	P	DRILL F/ 4772' TO 5260' (488', 61'/HR) MUD WT 9.3 VIS 37

6/20/2008 SUPERVISOR: JAMES GOBER MD: 6,097

0:00 - 14:00	14.00	DRLPRO	02	B	P	DRILL F/5260 TO 5852' (592', 42'/HR) 9.7 VIS 36
14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SERVICE, FUNCTION TEST BOP'S.
14:30 - 15:00	0.50	DRLPRO	09	A	P	SURVEY 5777'= 3.20 DEGREES
15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILL F/ 5852' TO 6097' (245', 27.2'/HR) MUD WT 10.1 VIS 38

6/21/2008 SUPERVISOR: JAMES GOBER MD: 6,630

0:00 - 1:00	1.00	DRLPRO	02	B	P	DRILL FROM 6097 TO 6120' (23', 23'/HR) MUD WT 10.1 VIS 36
1:00 - 2:00	1.00	DRLPRO	04	C	P	MIX DRY JOB AND PUMP

Wins No.: 95099		SOUTHMAN CANYON 923-310					API No.: 4304737205	
	2:00 - 7:00	5.00	DRLPRO	05	A	P	TRIP OUT OF HOLE. NO TIGHT HOLE. TEST MOTOR (OK) C/O BITS. FUNCTION BOP'S	
	7:00 - 12:00	5.00	DRLPRO	05	A	P	TRIP IN HOLE. NO TIGHT HOLE. BREAK CIRC @ 3000'. TRIP TO BOTTOM. TIGHT 30' FROM BOTTOM.	
	12:00 - 13:00	1.00	DRLPRO	07	A	P	REPAIR ROT CLUTCH. WHILE CIRCULATING.	
	13:00 - 13:30	0.50	DRLPRO	03	A	P	REAM 30' TO BOTTOM.	
	13:30 - 14:00	0.50	DRLPRO	02	B	P	DRILL F/ 6120' TO 6137'.	
	14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SERVICE.	
	14:30 - 0:00	9.50	DRLPRO	02	B	P	DRILL F/ 6137' TO 6630' (493', 51'/HR) MUD WT 10.3+ VIS 38	
								MD: 7,892
6/22/2008	<u>SUPERVISOR:</u> JAMES GOBER							
	0:00 - 14:00	14.00	DRLPRO	02	B	P	DRILL F/ 6630' TO 7469' (839', 59'/HR) MUD WT 10.6 VIS 38	
	14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SERVICE, FUNCTION BOP'S.	
	14:30 - 0:00	9.50	DRLPRO	02	B	P	DRILL F/ 7469' TO 7892' (423', 44'/HR) MUD WT 10.8 VIS 38	
								MD: 8,103
6/23/2008	<u>SUPERVISOR:</u> JAMES GOBER							
	0:00 - 7:00	7.00	DRLPRO	02	B	P	DRILL F/ 7892' TO 8036' (144', 20'/HR) MUD WT 11.2 VIS 37	
	7:00 - 8:00	1.00	DRLPRO	04	C	P	MIX UP DRY JOB AND PUMP. DROP SURVEY	
	8:00 - 14:30	6.50	DRLPRO	05	A	P	TRIP OUT OF HOLE, TIGHT HOLE F/ 6600' TO 6700'. 30K OVER. TRIP OUT. FUNCTION BOP'S. LAYDOWN MUD MOTOR. SURVEY 7800' = 4.01 DEGREES.	
	14:30 - 21:30	7.00	DRLPRO	05	A	P	MAKE UP BIT SUB AND BIT #3 AND TRIP IN HOLE. FILL PIPE @ 2100', TRIP TO BOTTOM. NO TIGHT HOLE ON WAY IN. WASH DOWN 2 JTS. NO FILL.	
	21:30 - 0:00	2.50	DRLPRO	02	A	P	DRILL F/ 8036' TO 8103'. (67', 26.8'/HR) MUD WT 11.2 VIS 38. 15' TRIP FLARE.	
								MD: 8,505
6/24/2008	<u>SUPERVISOR:</u> JAMES GOBER							
	0:00 - 11:00	11.00	DRLPRO	02	A	P	DRILL F/ 8103' TO 8505' TD (402'; 36.5'/HR) MUD WT 11.8 VIS 42.	
	11:00 - 12:00	1.00	DRLPRO	04	C	P	CIRC BOTTOMS UP. PUMP DRY JOB.	

11:00 - 12:00	1.00	DRLPRO	04	C	P	CIRC BOTTOMS UP. PUMP DRY JOB.
12:00 - 13:30	1.50	DRLPRO	05	E	P	SHORT TRIP TO 6600', NO TIGHT HOLE. NO GAINS OR LOSSES.
13:30 - 15:30	2.00	DRLPRO	04	A	P	CIRC OUT GAS. WEATHERFORD TRS ON LOCATION @ 14:00. HOLD SAFETY MEETING AND RIG UP LAYDOWN CREW. MIX AND PUMP DRY JOB. DROP SURVEY.
15:30 - 0:00	8.50	DRLPRO	05	A	P	LDDP, BREAK KELLY, PULL ROT. RUBBER. LDDC'S. NO TIGHT HOLE. NO FLOW. SURVEY 8400'= 2.21 DEGREES.

6/25/2008	<u>SUPERVISOR:</u> JAMES GOBER						MD: 8,505
0:00 - 0:30	0.50	DRLPRO	05	A	P	LDDS, LD BIT SUB AND BIT, PULL WEAR BUSHING	
0:30 - 5:30	5.00	DRLPRO	08	A	P	HOLD SAFETY MEETING W/ HALIBURTON AND RIG UP LOGGERS.RUN TRIPLE COMBO FROM 8497'.	
5:30 - 6:30	1.00	DRLPRO	11	A	P	HOLD SAFETY MEETING W/ WEATHERFORD TRS CSG CREW AND LAY DOWN. RIG UP CSG CREW.	
6:30 - 11:30	5.00	DRLPRO	11	B	P	RUN 4-1/2",11.6#, I-80 CSG	
11:30 - 13:00	1.50	DRLPRO	04	E	P	PICK UP MANDREL & PUP JT.HOOK UP BJ HEAD & CIRC OUT GAS W/ RIG PUMP.	
13:00 - 16:00	3.00	DRLPRO	15	A	P	HELD DSafety MEETING W/ BJ. SWITCH LINES & PSI TEST BJ LINES TO 4500 PSI. (PUMP 20 BBLS MUD CLEAN @ 8.3 PPG) (PUMP 30 BBLS SCAVENGER SLURRY, 20 SCKS POZZ W/ BENTONITE @ 9.5 PPG & 8.45 Cf SACK YIELD) (PUMP 215 BBLS LEAD SLURRY, 400 SCKS POZZ W/ BENTONITE @ 11.3 PPG & 3.01 Cf SACK YIELD) (PUMP 279 BBLS TAIL SLURRY,1195 SCKS 50:50 POZ MIX @ 14.3 PPG & 1.31 Cf SACK YIELD) (DROP PLUG & DISPLACE W/ 135 BBLS CLAYTREATED + 1 GL MAGNACIDE & 8.3 PPG. LOST 100% RETURNS BEGINING OF DISPLACEMENT @ 7 BPM, SLOWED DISPLACEMENT DOWN TO 3 BPM & DISPLACE CMT) (BUMP PLUG W/ 3300 PSI,PLUG HELD) (2900 PUMPING PSI) (400 OVER PSI) (2 BBLS H2O BACK ON BLEED OFF) (SET MANDREL W/ 60 K STRING WT) (TEST MANDREL TO 5000 PSI)	
16:00 - 21:00	5.00	DRLPRO	13	A	P	NIPPLE DOWN BOP,CLEAN MUD PITS. (RELEASE RIG @ 2100. 06/25/2008)	

EVENT INFORMATION:	EVENT ACTIVITY: COMPLETION	START DATE: 7/6/2008	AFE NO.: 2013634
	OBJECTIVE: CONSTRUCTION	END DATE: 7/8/2008	
	OBJECTIVE 2: ORIGINAL	DATE WELL STARTED PROD.:	
	REASON: SURF FACILITIES	Event End Status: COMPLETE	

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
-----------------	--------------------	-----------------	-------------	---------------------	-----------------	-------------	------------------

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
7/6/2008	<u>SUPERVISOR:</u> HAL BLANCHARD						
MD:							

Wins No.: 95099

SOUTHMAN CANYON 923-310

API No.: 4304737205

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 7/31/2008 AFE NO.: 2013834
 OBJECTIVE: DEVELOPMENT END DATE:
 OBJECTIVE 2: ORIGINAL DATE WELL STARTED PROD.:
 REASON: MV Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location
 LEED 733 / 733 07/30/2008 07/31/2008 08/06/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation	MD:
7/30/2008	SUPERVISOR: CLAUD SIMS 13:00 - 17:00	4.00	COMP	30	A	P	ROAD RIG FROM NBU 471 TO LOC, SPOT EQUIP AND RIG ON LOC.	
7/31/2008	SUPERVISOR: CLAUD SIMS 7:00 - 7:30 7:30 - 7:30	0.50 0.00	COMP COMP	48 31	 I	P P	JSA-SAFETY MEETING # 2, DAY 2 N/D WH, N/U BOPS, R/U FLOOR & TBG EQUIP, P/U 3-7/8" MILL, RIH W/ 2-3/8" TBG, TALLY TBG IN HOLE, RIH 267 JTS 2-3/8" TBG, TAG @ 8400', PULLED OUT LAY DN 2 JTS, SHUT WELL IN, SDFN	
8/1/2008	SUPERVISOR: CLAUD SIMS 7:00 - 7:30 7:30 - 10:00 10:00 - 12:00 12:00 - 12:00	0.50 2.50 2.00 0.00	COMP COMP COMP COMP	48 31 31 30	 H I	P P P P	JSA-SAFETY MEETING # 3, DAY 3 R/U POWER SWIVEL, C/O CEMENT FROM 8400' TO @ 8450', CIRC WELL CLEAN, R/D SWIVEL PULLED OUT LAY DN 20 JTS, TOOH W/ 2-3/8" TBG, LAYED DN MILL. R/D TBG EQUIP. & FLOOR, N/D BOPS, N/U FRAC VALVE, R/U BC QUICK TEST, PRESSURE TESTED CSG & FRAC VALVE TO 7500#, OK, R/U FLOOR AND EQUIPT, PREPARE TO FRAC ON MONDAY, SHUT WELL IN SDFWE.	
8/4/2008	SUPERVISOR: CLAUD SIMS 6:30 - 7:00 7:00 - 19:00	0.50 12.00	COMP COMP	48 37	 C	P P	JSA-SAFETY MEETING #4, DAY #4 (STG #1) R/U CASEHOLE SOLUTION WIRE LINE, RIH W/ 3-3/8" PREF GUNS, PREF THE MV @ 8342-8352', 4- spf, USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLES, 90* PHS, R/U SCHLUMBERGER FRAC CREW, HOLD JSA-SAEYTY MEETING. SCHLUMBERGER PRESSURE TESTED LINES TO 8500#, WHP = 160 #, BRK DN PERF 5417# @ 6.3 B/M, INJ -P 5406 #, INJ- RT = 50.8 B/M, ISIP = 2845#, F.G. = .77, PMPD 3 BBLS 15% HCL AHEAD OF INJ., CALC 31/40 (78%) PERF OPEN PMPED 1280 BBLS SLK WTR & 39916 # 30/50 SD, ISIP = 254#, F.G. = .73, NPI = -305, MP = 6788#, MR = 52 B/M, AP = 4502#, AR = 48 B/M, 34916# 30/50 SD, 5000# TLC SD, 165 GALS OF J583 CLAYTREAT, 28GALS b145 FRW, 137 GAL NALCO SCALE INIHB, 13 GAL NALCO BIOCID SCHLUMBERGER DN 1 HOUR ON MIX PUMP (LOST FUEL PRESSURE) (STG #2) RIH W/ BAKER 8K CBP & PERF GUNS, TRY TO SET CBP @ 8226', NO SET, PULLED OUT OF HOLE, RIH W/ NEW BAKER 8K CBP & PERF GUNS, SET CBP @ 8226', PERF THE MV @ 8188-96', 4-SPF, 90* PHS, 8122-26', 2-SPF, 180* PHS, 8024-26', 2-SPF, 180* PHS, USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, WHP = 550#, BRK DN PERF @ 6578# @ 6 B/M, INJ-P = 6550#, INJ - RT = 50 B/M, ISIP = 2560#, F.G. = .75, CALC 72 % 32/44 PERF OPEN, PMPED 3854 BBL SLK WTR & 144636 # 30/50 SD, ISIP = 2650#, F.G..76, NPI = 100 , MP = 7090#, MR = 50.3 B/M, AP = 4821#, AR = 48.8 B/M, 139205# 30/50 SD., 5430# TLC SD, 363 GAL j583 CLAY TREAT, 100 GAL b145 FRW, 192 GAL NALCO SCALE INIHB, 58 GAL NALCO BIOCID.. PMC WENT DN ON 1/4 SD ON BTTM, DN FOR 3 MIN. CUT SAND SHORT AS STARTED TO SCREEN OFF, (STG # 3) RIH W/ BAKER 8K CBP AND PERF GUNS, SET CBP @ 7870', PERF THE MV @ 7816 -26' AND 7741-46', USING 3-3/8" EXP GUNS, 23 gm, 0.36 HOLE, 120* PHS, 45 HOLES, SHUT WELL IN FOR NIGHT SD.	
8/5/2008	SUPERVISOR: CLAUD SIMS 7:00 - 7:30	0.50	COMP	48		P	JSA-SAFETY MEETING #5, DAY 5	

Wins No.: 95099

SOUTHMAN CANYON 923-310

API No.: 4304737205

7:30 - 14:30 7.00 COMP 36 P

(STG # 3) RU/ SCHLUMBERGER FRAC, WHP = 1500 #, BRK DN PERF @ 3761# @ 6 B/M, INJ-P = 4250#, INJ-RT = 51.1 B/M, ISIP = 2050#, F.G. = .62, CALC 33/45, 73% PERF OPEN, PMPED 4046 BBLS SLK WTR & 158041 # SAND, ISIP = 2500#, F.G. = .75, NPI = 450, MP = 6149#, MR = 53.3 B/M, AP = 4653#, AR = 50.7 B/M, 152767# OF 30/50 SAND, 5273# TLC SAND, 402 GAL J583 CLAYTREAT, 88 GAL FR B145, 56 GAL NALCO BIOCID, 247 GAL NALCO SCALE INIHB.

(STG # 4) RIH W/ BAKER 8K CBP & PERF GUNS SET CBP @ 7690', PERF THE MV @ 7644-60', 120" PHS, USING 3-3/8" EXP GUNS, 23gm, 0.36 HOLE, 3-SPF, 48 HOLES, WHP = 2130#, BRK DN PERF @ 2809#, @ 6 B/M, INJ-P = 4810#, INJ-RT = 50.4 B/M, ISIP = 2375#, F.G. = .74, CALC 43/48, 80% PERF OPEN, PMPED 3019 BBLS SLK WTR, 111818# SAND, ISIP = 2671#, F.G. = .78, NPI = 296, MP = 5356#, MR = 51.8 B/M, AP = 4511#, AR = 49.7 B/M, 107093# 30/50 SAND, 4725# TLC SAND, 300 GAL J583 CLAYTREAT, 60 GAL FR B145, 162 GAL NALCO SCALE INIHB, 25 GAL NALCO BIOCID.

(KILL PLUG) RIH W/ BAKER 8K CBP, SET CBP @ 7570', POOH, R/D CASEHOLE SOLUTION, AND SCHLUMBERGER FRAC .

TOTAL FLUID = 12199 BBLS SLF WTR
TOTAL SAND = 454411 #
TOTAL J583 CLAYTREAT = 1230 GALS
TOTAL FR B145 = 276 GALS
TOTAL NALCO SCALE INIHB. = 738 GALS
TOTAL NALCO BIOCID = 152 GALS

14:30 - 18:00 3.50 COMP 31 I P

N/D FRAC VALVE, N/U BOPS, R/U TBG EQUIP, P/U 3-7/8" BIT & POBS W/ XN-NIPPLE, TIH TO @ 7750'. SWI SDFN.

8/6/2008

SUPERVISOR: CLAUD SIMS

MD:

7:00 - 7:30 0.50 COMP 48 P

JSA-SAFETY MEETING #6 DAY 6

7:30 - 8:30 1.00 COMP 31 I P

TIH W/ 2-3/8" TBG TAG CBP @ 7570'

8:30 - 18:00 9.50 COMP 44 C P

R/U POWER SWIVEL, BROKE CIRC DN TBG OUT CSG

(DRLG CBP #1) 7570', DRILL OUT BAKER 8K CBP IN 5 MIN, 300# DIFF., RIH TAG @ 7680', C/O 10' SAND, FCP = 300#.

(DRLG CBP #2) 7690', DRILL OUT BAKER 8K CBP IN 8 MIN, 50 # DIFF., RIH TAG @ 7860', C/O 10' SAND, FCP = 350#.

(DRLG CBP #3) 7870', DRILL OUT BAKER 8K CBP IN 8 MIN, 50# DIFF., RIH TAG @ 8191', C/O 35', FCP = 400 #.

(DRLG CBP #4) 8226', DRILL OUT BAKER 8K CBP IN 8 MIN., 50# DIFF., RIH TAG 8240', C/O 210' SAND TO PBTD 8450', FCP = 450#.

CIRC WELL CLEAN, R/D POWER SWIVEL, POOH LAY DN 15 JTA 2-3/8" TBG ON PIPE TRAILER, LAND TBG ON HANGER W/ 253 JTS 2-3/8" J-55 TBG, EOT @ 7982', R/D FLOOR & TBG EQUIP, N/D BOPS, N/U WH, DROP BALL DN TBG, PUMP OFF THE POBS @ 3650 #, WAIT 30 MIN FOR BIT TO FALL TO BTM, AVG. 8 MIN/ PLUG, AND 265' SAND. OPEN WELL TO FBT ON 20/64 CHOKE, FTP 975 #, SICP 1650#, TURN WELL OVER TO FBC @ 16:30 PM, W/ 9,522 BBLS WTR LTR, RIG DN EQUIP AND SERVICE UNIT MOVED OFF LOC. SDFN

277 JTS DELV.
253 JTS LANDED
23 JTS RETURNED
1 JT BAD

KB = 19.00'
HANGER = .83'
253 JTS 2-3/8" J-55 TBG = 7960.01'
XN-NIPPLE POBS = 2.20'

EOT = 7982.04'

8/7/2008

SUPERVISOR: JERRY RASMUSSEN

MD:

Wins No.: 95099		SOUTHMAN CANYON 923-310				API No.: 4304737205
	7:00 -	PROD	33	A	P	7 AM FLBK REPORT: CP 1700#, TP 1500#, 18/64" CK, 45 BWPH, HEAVY SAND, NA GAS TTL BBLS RECOVERED: 3717 BBLS LEFT TO RECOVER: 8882
8/8/2008	<u>SUPERVISOR:</u> JERRY RASMUSSEN					<u>MD:</u>
	7:00 -		33	A		7 AM FLBK REPORT: CP 3500#, TP 2150#, 18/64" CK, 45 BWPH, MED SAND TTL BBLS RECOVERED: 4797 BBLS LEFT TO RECOVER: 7802
	9:00 -	PROD				WELL TURNED TO SALES ON 8/08/2008 - FTP 2150#, CP 3500#, CK 18/64", 1700 MCFD, 1080 BWPD
8/9/2008	<u>SUPERVISOR:</u> JERRY RASMUSSEN					<u>MD:</u>
	7:00 -		33	A		7 AM FLBK REPORT: CP 3100#, TP 2200#, 18/64" CK, 45 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 5877 BBLS LEFT TO RECOVER: 6722
8/10/2008	<u>SUPERVISOR:</u> JERRY RASMUSSEN					<u>MD:</u>
	7:00 -		33	A		7 AM FLBK REPORT: CP 2700#, TP 1975#, 18/64" CK, 30 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 6647 BBLS LEFT TO RECOVER: 5952

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU-33433

1a. Type of Well Oil Well Gas Dry Other
b. Type of Completion: New Work Over Deepen Plug Back Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

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

7. Unit or CA Agreement Name and No.

3. Address **1368 SOUTH 1200 EAST, VERNAL, UTAH 84078**
3a. Phone No. (include area code) **(435) 781-7024**

8. Lease Name and Well No.
SOUTHMAN CANYON 923-310

4. Location of Well (Report locations clearly and in accordance with Federal requirements) *

At surface **SW/SE 692'FSL, 1802'FEL**

9. API Well No.
4304737205

At top prod. interval reported below

10. Field and Pool, or Exploratory
UNDESIGNATED

At total depth

11. Sec., T., R., M., or Block and Survey or Area **SEC. 31, T9S, R23E**

14. Date Spudded **04/29/08**
15. Date T.D. Reached **06/24/08**
16. Date Completed D & A Ready to Prod. **08/08/08**

12. County or Parish **UINTAH**
13. State **UTAH**

17. Elevations (DF, RKB, RT, GL)*
5088'GL

18. Total Depth: MD **8505'** TVD
19. Plug Back T.D.: MD **8450'** TVD
20. Depth Bridge Plug Set: MD **8450'** TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? No Yes (Submit copy)
Was DST run? No Yes (Submit copy)
Directional Survey? No Yes (Submit copy)

CBL-CCL-GR, SD, DSN, ACTR

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2120'		850 SX			
7 7/8"	4 1/2"	11.6#		8505'		1410 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	7982'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	7644'	8352'	7644'-8352'	0.36	177	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
7644'-8352'	PMP 12,199 BBLs SLICK H2O & 454,411# 30/50 SD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/08/08	08/10/08	24	→	0	2,418	30			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 1950# SI	Csg. Press. 2700# SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
18/64	SI	2700# SI	→	0	2418	30			PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
	SI	SI	→						

(See instructions and spaces for additional data on reverse side)

RECEIVED

SEP 09 2008

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1259'				
MAHOGANY	1973'				
WASATCH	4229'	6271'			
MESAVERDE	6369'	8453'			

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other:

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

Name (please print) SHEILA UPCHIEGO Title REGULATORY ANALYST
 Signature  Date 08/26/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433
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: SOUTHMAN CYN 923-310
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047372050000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0692 FSL 1802 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 31 Township: 09.0S Range: 23.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/14/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____

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

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATIONS, ALONG WITH THE EXISTING MESAVERDE FORMATIONS. PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

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

Date: June 15, 2010

By: *Derek [Signature]*

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 6/9/2010



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047372050000

Authorization: Board Cause No. 179-14

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

Date: June 15, 2010
By: *Darko Gunt*

Greater Natural Buttes Unit



SOUTHMAN CANYON 923-310 RE-COMPLETIONS PROCEDURE

**DATE:6/9/10
AFE#:**

COMPLETIONS ENGINEER: Sarah Schaftenaar, Denver, CO
(303)-895-5883 (Cell)
(720)-929-6605 (Office)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: Southman Canyon 923-310

Location: SW SE Sec. 31 T 9S R23E

Uintah County, UT

Date: 6/2/10

ELEVATIONS: 5088' GL 5106' KB

TOTAL DEPTH: 8496' **PBTD:** 8452'

SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2098'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 8496'

Marker Joint **4177-4196'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1205' Green River Top
1434' Bird's Nest Top
1924' Mahogany Top
4229' Wasatch Top
6469' Mesaverde Top

BOTTOMS:

6469' Wasatch Bottom
8496' Mesaverde Bottom (TD)

Estimated T.O.C. from CBL @ ~1400'

GENERAL:

- A minimum of **10** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 6/24/2008
- **6** fracturing stages required for coverage.
- Procedure calls for **7** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.

- Pump 20/40 mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~7982
- Originally completed on 8/1/2008

Existing Perforations:

Zone	Feet of Pay	Perfs		SPF	Holes
		Top, ft.	Bot., ft		
MESAVERDE	2	7644	7660	3	48
MESAVERDE	1	7741	7746	3	15
MESAVERDE	2	7816	7826	3	30
MESAVERDE	1	8024	8026	2	4
MESAVERDE	1	8122	8126	2	8
MESAVERDE	2	8188	8196	4	32
MESAVERDE	3	8342	8352	4	40

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. If the tubing is below the proposed CBP depth, TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~7982'). Visually inspect for scale and consider replacing if needed. If the tubing is above the proposed CBP depth, RIH with tubing and tag for fill before TOO H.
3. If tbg looks ok consider running a gauge ring to 7530 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7530 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 7480'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	7254	7258	3	12
MESAVERDE	7340	7344	4	16
MESAVERDE	7446	7450	4	16
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7254' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~7120'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	6954	6958	3	12
MESAVERDE	7010	7014	4	16
MESAVERDE	7086	7090	4	16

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6954' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~6804'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	6764	6774	4	40

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6764' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~6216'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6082	6086	4	16
WASATCH	6180	6186	4	24

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~6082' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~5864'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5688	5692	3	12
WASATCH	5758	5762	4	16
WASATCH	5830	5834	4	16

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5688' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~5050'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5010	5020	4	40

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~5010' and flush only with recycled water.

17. Set 8000 psi CBP at~4960'.

18. TIH with 3 7/8" mill, sliding sleeve, SN and tubing.

19. Mill plugs and clean out to 7480. Land tubing at $\pm 7982'$ and open sleeve unless indicated otherwise by the well's behavior. This well will be commingled at this time.

20. RDMO

21. Clean out well with foam and/or swabbing unit until steady flow has been established from recompleat, if necessary.

**For design questions, please call
Sarah Schaftenaar, Denver, CO
(303)-895-5883 (Cell)
(720)-929-6605 (Office)**

**For field implementation questions, please call
Jeff Samuels, Vernal, UT
435-781-7046 (Office)**

NOTES:

Southman Canyon 923-310
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	7254	7258	3	12	7246	to	7261
	MESAVERDE	7340	7344	4	16	7332	to	7358.5
	MESAVERDE	7446	7450	4	16	7424.5	to	7452
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
					Look			
	# of Perfs/stage				44	CBP DEPTH	7,120	
2	MESAVERDE	6954	6958	3	12	6951	to	6960
	MESAVERDE	7010	7014	4	16	7004	to	7021.5
	MESAVERDE	7086	7090	4	16	7075	to	7103
	MESAVERDE		No perfs			7117.5	to	7121
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
					Look			
	# of Perfs/stage				44	CBP DEPTH	6,804	
3	MESAVERDE	6764	6774	4	40	6761	to	6778
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
					Look			
	# of Perfs/stage				40	CBP DEPTH	6,216	
4	WASATCH	6082	6086	4	16	6078	to	6086.5
	WASATCH	6180	6186	4	24	6174.5	to	6195.5
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
					Look			
	# of Perfs/stage				40	CBP DEPTH	5,864	
5	WASATCH	5688	5692	3	12	5678.5	to	5696.5
	WASATCH	5758	5762	4	16	5747	to	5765
	WASATCH	5830	5834	4	16	5813	to	5837.5
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
					Look			
	# of Perfs/stage				44	CBP DEPTH	5,050	
6	WASATCH	5010	5020	4	40	4993.5	to	5023
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
					Look			
	# of Perfs/stage				40	CBP DEPTH	4,960	
	Totals				252			

Fracturing Schedules
Southman Canyon 923-310
Slickwater Frac

Recomplete?	Y
Pad?	N
ACTS?	N

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

Stage	Zone	Md-Ft of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.	
			Top, ft.	Bot., ft																		
1	MESAVERDE	0.352	7254	7258	3	12	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.214	7340	7344	4	16	0	ISIP and 5 min ISIP														46
	MESAVERDE	0.241	7446	7450	4	16	50	Slickwater Pad			Slickwater	4,843	4,843	115	115	15.0%	0.0%	0	0		15	
	MESAVERDE	0.00					50	Slickwater Ramp	0.25	1.25	Slickwater	9,148	13,991	218	333	28.3%	19.4%	6,861	6,861		27	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	13,991	0	333	0.0%	0.0%	0	6,861		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	9,148	23,140	218	551	28.3%	35.5%	12,579	19,440		0	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	23,140	0	551	0.0%	0.0%	0	19,440		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	23,140	0	551	0.0%	0.0%	0	19,440		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	9,148	32,288	218	769	28.3%	45.2%	16,009	35,450		0	
	MESAVERDE	0.00					50	Flush (4-1/2)			Slickwater	4,735	37,023	113	882				35,450		46	
	MESAVERDE	0.00						ISDP and 5 min ISDP					37,023								135	
		0.81	# of Perfs/stage			Look	44							Flush depth	7254		gal/md-ft	40,000	43,917	lbs sand/md-ft	134	
							17.6	<< Above pump time (min)														
2	MESAVERDE	0.268	6954	6958	3	12	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.164	7010	7014	4	16	0	ISIP and 5 min ISIP														11
	MESAVERDE	0.154	7086	7090	4	16	50	Slickwater Pad			Slickwater	3,691	3,691	88	88	15.0%	0.0%	0	0		21	
	MESAVERDE	0.028	No perfs				50	Slickwater Ramp	0.25	1.25	Slickwater	6,971	10,662	166	254	28.3%	19.4%	5,228	5,228		0	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	10,662	0	254	0.0%	0.0%	0	5,228		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	6,971	17,633	166	420	28.3%	35.5%	9,585	14,814		0	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	17,633	0	420	0.0%	0.0%	0	14,814		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	17,633	0	420	0.0%	0.0%	0	14,814		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	6,971	24,604	166	586	28.3%	45.2%	12,199	27,013		0	
	MESAVERDE	0.00					50	Flush (4-1/2)			Slickwater	4,540	29,144	108	694				27,013		44	
	MESAVERDE	0.00						ISDP and 5 min ISDP					29,144								76	
		0.62	# of Perfs/stage			Look	44							Flush depth	6954		gal/md-ft	40,000	43,917	lbs sand/md-ft	150	
							13.9	<< Above pump time (min)														
3	MESAVERDE	0.316	6764	6774	4	40	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.00					0	ISIP and 5 min ISIP														
	MESAVERDE	0.00					50	Slickwater Pad			Slickwater	3,313	3,313	79	79	15.0%	0.0%	0	0		10	
	MESAVERDE	0.00					50	Slickwater Ramp	0.25	1.25	Slickwater	6,257	9,570	149	228	28.3%	19.4%	4,693	4,693		19	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	9,570	0	228	0.0%	0.0%	0	4,693		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	6,257	15,828	149	377	28.3%	35.5%	8,604	13,297		0	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	15,828	0	377	0.0%	0.0%	0	13,297		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	15,828	0	377	0.0%	0.0%	0	13,297		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	6,257	22,085	149	526	28.3%	45.2%	10,950	24,247		0	
	MESAVERDE	0.00					50	Flush (4-1/2)			Slickwater	4,416	26,501	105	631				24,247		40	
	MESAVERDE	0.00						ISDP and 5 min ISDP					26,501								69	
		0.32	# of Perfs/stage			Look	40							Flush depth	6764		gal/md-ft	70,000	76,854	lbs sand/md-ft	548	
							12.6	<< Above pump time (min)														
4	WASATCH	0.051	6082	6086	4	16	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH	0.110	6180	6186	4	24	0	ISIP and 5 min ISIP														
	WASATCH	0.00					50	Slickwater Pad			Slickwater	3,373	3,373	80	80	15.0%	0.0%	0	0		10	
	WASATCH	0.00					50	Slickwater Ramp	0.25	1.5	Slickwater	11,242	14,615	268	348	50.0%	35.7%	9,837	9,837		34	
	WASATCH	0.00					50	Slickwater Ramp	1.5	3	Slickwater	7,869	22,484	187	535	35.0%	64.3%	17,706	27,543		0	
	WASATCH	0.00					50	Flush (4-1/2)			Slickwater	3,970	26,454	95	630				27,543		0	
	WASATCH	0.00						ISIP and 5 min ISIP													0	
	WASATCH	0.00																			0	

RECEIVED June 09, 2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433
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: SOUTHMAN CYN 923-310
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047372050000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0692 FSL 1802 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 31 Township: 09.0S Range: 23.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 6/14/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATIONS, ALONG WITH THE EXISTING MESAVERDE FORMATIONS. PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

Accepted by the Utah Division of Oil, Gas and Mining

Date: June 15, 2010

By: *Derek L. Lytle*

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 6/9/2010	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047372050000

Authorization: Board Cause No. 179-14

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

Date: June 15, 2010
By: Darko Gunt

Greater Natural Buttes Unit



SOUTHMAN CANYON 923-310 RE-COMPLETIONS PROCEDURE

**DATE:6/9/10
AFE#:**

COMPLETIONS ENGINEER: Sarah Schaftenaar, Denver, CO
(303)-895-5883 (Cell)
(720)-929-6605 (Office)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: Southman Canyon 923-310

Location: SW SE Sec. 31 T 9S R23E

Uintah County, UT

Date: 6/2/10

ELEVATIONS: 5088' GL 5106' KB

TOTAL DEPTH: 8496' **PBTD:** 8452'

SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2098'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 8496'
Marker Joint **4177-4196'**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1205' Green River Top
1434' Bird's Nest Top
1924' Mahogany Top
4229' Wasatch Top
6469' Mesaverde Top

BOTTOMS:

6469' Wasatch Bottom
8496' Mesaverde Bottom (TD)

Estimated T.O.C. from CBL @ ~1400'

GENERAL:

- A minimum of **10** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 6/24/2008
- **6** fracturing stages required for coverage.
- Procedure calls for **7** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.

- Pump 20/40 mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~7982
- Originally completed on 8/1/2008

Existing Perforations:

Zone	Feet of Pay	Perfs		SPF	Holes
		Top, ft.	Bot., ft		
MESAVERDE	2	7644	7660	3	48
MESAVERDE	1	7741	7746	3	15
MESAVERDE	2	7816	7826	3	30
MESAVERDE	1	8024	8026	2	4
MESAVERDE	1	8122	8126	2	8
MESAVERDE	2	8188	8196	4	32
MESAVERDE	3	8342	8352	4	40

PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. If the tubing is below the proposed CBP depth, TOO H with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~7982'). Visually inspect for scale and consider replacing if needed. If the tubing is above the proposed CBP depth, RIH with tubing and tag for fill before TOO H.
3. If tbg looks ok consider running a gauge ring to 7530 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7530 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 7480'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	7254	7258	3	12
MESAVERDE	7340	7344	4	16
MESAVERDE	7446	7450	4	16
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7254' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~7120'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	6954	6958	3	12
MESAVERDE	7010	7014	4	16
MESAVERDE	7086	7090	4	16

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6954' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
9. Set 8000 psi CBP at ~6804'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|-----------|------|------|-----|------------|
| MESAVERDE | 6764 | 6774 | 4 | 40 |
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6764' trickle 250gal 15%HCL w/ scale inhibitor in flush.
11. Set 8000 psi CBP at ~6216'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 6082 | 6086 | 4 | 16 |
| WASATCH | 6180 | 6186 | 4 | 24 |
12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~6082' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
13. Set 8000 psi CBP at ~5864'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5688 | 5692 | 3 | 12 |
| WASATCH | 5758 | 5762 | 4 | 16 |
| WASATCH | 5830 | 5834 | 4 | 16 |
14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5688' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
15. Set 8000 psi CBP at ~5050'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5010 | 5020 | 4 | 40 |
16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~5010' and flush only with recycled water.
17. Set 8000 psi CBP at~4960'.
18. TIH with 3 7/8" mill, sliding sleeve, SN and tubing.
19. Mill plugs and clean out to 7480. Land tubing at $\pm 7982'$ and open sleeve unless indicated otherwise by the well's behavior. This well will be commingled at this time.
20. RDMO
21. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete, if necessary.

**For design questions, please call
Sarah Schaftenaar, Denver, CO
(303)-895-5883 (Cell)
(720)-929-6605 (Office)**

**For field implementation questions, please call
Jeff Samuels, Vernal, UT
435-781-7046 (Office)**

NOTES:

Southman Canyon 923-310
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	7254	7258	3	12	7246	to	7261
	MESAVERDE	7340	7344	4	16	7332	to	7358.5
	MESAVERDE	7446	7450	4	16	7424.5	to	7452
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	# of Perfs/stage				Look			
					44	CBP DEPTH	7,120	
2	MESAVERDE	6954	6958	3	12	6951	to	6960
	MESAVERDE	7010	7014	4	16	7004	to	7021.5
	MESAVERDE	7086	7090	4	16	7075	to	7103
	MESAVERDE		No perfs			7117.5	to	7121
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	# of Perfs/stage				Look			
					44	CBP DEPTH	6,804	
3	MESAVERDE	6764	6774	4	40	6761	to	6778
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	MESAVERDE							
	# of Perfs/stage				Look			
					40	CBP DEPTH	6,216	
4	WASATCH	6082	6086	4	16	6078	to	6086.5
	WASATCH	6180	6186	4	24	6174.5	to	6195.5
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	# of Perfs/stage							
					40	CBP DEPTH	5,864	
5	WASATCH	5688	5692	3	12	5678.5	to	5696.5
	WASATCH	5758	5762	4	16	5747	to	5765
	WASATCH	5830	5834	4	16	5813	to	5837.5
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	# of Perfs/stage				Look			
					44	CBP DEPTH	5,050	
6	WASATCH	5010	5020	4	40	4993.5	to	5023
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	WASATCH							
	# of Perfs/stage				Look			
					40	CBP DEPTH	4,960	
	Totals				252			

Fracturing Schedules
Southman Canyon 923-310
Slickwater Frac

Recomplete?	Y
Pad?	N
ACTS?	N

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

Stage	Zone	Md-Ft of Pay	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.	
			Top, ft.	Bot., ft																		
1	MESAVERDE	0.352	7254	7258	3	12	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.214	7340	7344	4	16	0	ISIP and 5 min ISIP														46
	MESAVERDE	0.241	7446	7450	4	16	50	Slickwater Pad			Slickwater	4,843	4,843	115	115	15.0%	0.0%	0	0		15	
	MESAVERDE	0.00					50	Slickwater Ramp	0.25	1.25	Slickwater	9,148	13,991	218	333	28.3%	19.4%	6,861	6,861		27	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	13,991	0	333	0.0%	0.0%	0	6,861		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	9,148	23,140	218	551	28.3%	35.5%	12,579	19,440		0	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	23,140	0	551	0.0%	0.0%	0	19,440		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	23,140	0	551	0.0%	0.0%	0	19,440		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	9,148	32,288	218	769	28.3%	45.2%	16,009	35,450		0	
	MESAVERDE	0.00					50	Flush (4-1/2)			Slickwater	4,735	37,023	113	882				35,450		46	
	MESAVERDE	0.00						ISDP and 5 min ISDP					37,023								135	
		0.81	# of Perfs/stage			Look	44							Flush depth	7254		gal/md-ft	40,000	43,917	lbs sand/md-ft	134	
							17.6	<< Above pump time (min)														
2	MESAVERDE	0.268	6954	6958	3	12	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.164	7010	7014	4	16	0	ISIP and 5 min ISIP														11
	MESAVERDE	0.154	7086	7090	4	16	50	Slickwater Pad			Slickwater	3,691	3,691	88	88	15.0%	0.0%	0	0		21	
	MESAVERDE	0.028	No perfs				50	Slickwater Ramp	0.25	1.25	Slickwater	6,971	10,662	166	254	28.3%	19.4%	5,228	5,228		0	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	10,662	0	254	0.0%	0.0%	0	5,228		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	6,971	17,633	166	420	28.3%	35.5%	9,585	14,814		0	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	17,633	0	420	0.0%	0.0%	0	14,814		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	17,633	0	420	0.0%	0.0%	0	14,814		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	6,971	24,604	166	586	28.3%	45.2%	12,199	27,013		0	
	MESAVERDE	0.00					50	Flush (4-1/2)			Slickwater	4,540	29,144	108	694				27,013		44	
	MESAVERDE	0.00						ISDP and 5 min ISDP					29,144								76	
		0.62	# of Perfs/stage			Look	44							Flush depth	6954		gal/md-ft	40,000	43,917	lbs sand/md-ft	150	
							13.9	<< Above pump time (min)														
3	MESAVERDE	0.316	6764	6774	4	40	Varied	Pump-in test			Slickwater		0	0	0							
	MESAVERDE	0.00					0	ISIP and 5 min ISIP														10
	MESAVERDE	0.00					50	Slickwater Pad			Slickwater	3,313	3,313	79	79	15.0%	0.0%	0	0		19	
	MESAVERDE	0.00					50	Slickwater Ramp	0.25	1.25	Slickwater	6,257	9,570	149	228	28.3%	19.4%	4,693	4,693		0	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	9,570	0	228	0.0%	0.0%	0	4,693		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.25	1.5	Slickwater	6,257	15,828	149	377	28.3%	35.5%	8,604	13,297		0	
	MESAVERDE	0.00					50	SW Sweep	0	0	Slickwater	0	15,828	0	377	0.0%	0.0%	0	13,297		0	
	MESAVERDE	0.00					50	Slickwater Ramp	0.5	1.5	Slickwater	0	15,828	0	377	0.0%	0.0%	0	13,297		0	
	MESAVERDE	0.00					50	Slickwater Ramp	1.5	2	Slickwater	6,257	22,085	149	526	28.3%	45.2%	10,950	24,247		0	
	MESAVERDE	0.00					50	Flush (4-1/2)			Slickwater	4,416	26,501	105	631				24,247		40	
	MESAVERDE	0.00						ISDP and 5 min ISDP					26,501								69	
		0.32	# of Perfs/stage			Look	40							Flush depth	6764		gal/md-ft	70,000	76,854	lbs sand/md-ft	548	
							12.6	<< Above pump time (min)														
4	WASATCH	0.051	6082	6086	4	16	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH	0.110	6180	6186	4	24	0	ISIP and 5 min ISIP														10
	WASATCH	0.00					50	Slickwater Pad			Slickwater	3,373	3,373	80	80	15.0%	0.0%	0	0		34	
	WASATCH	0.00					50	Slickwater Ramp	0.25	1.5	Slickwater	11,242	14,615	268	348	50.0%	35.7%	9,837	9,837		0	
	WASATCH	0.00					50	Slickwater Ramp	1.5	3	Slickwater	7,869	22,484	187	535	35.0%	64.3%	17,706	27,543		0	
	WASATCH	0.00					50	Flush (4-1/2)			Slickwater	3,970	26,454	95	630				27,543		0	
	WASATCH	0.00						ISDP and 5 min ISDP													0	
	WASATCH	0.00																			0	

RECEIVED June 09, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. UTU33433
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE, Mail: JAIME.SCHARNOWSKE@ANADARKO.COM		7. Unit or CA Agreement Name and No.
3. Address PO BOX 173779 DENVER, CO 80217		8. Lease Name and Well No. SOUTHMAN CANYON 923-310
3a. Phone No. (include area code) Ph: 720-929-6304		9. API Well No. 43-047-37205
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSE 692FSL 1802FEL At top prod interval reported below SWSE 692FSL 1802FEL At total depth SWSE 692FSL 1802FEL		10. Field and Pool, or Exploratory NATURAL BUTTES
14. Date Spudded 04/29/2008		11. Sec., T., R., M., or Block and Survey or Area Sec 31 T9S R23E Mer SLB
15. Date T.D. Reached 06/24/2008		12. County or Parish UINTAH
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/27/2011		13. State UT
17. Elevations (DF, KB, RT, GL)* 5088 GL		

18. Total Depth: MD 8505 TVD	19. Plug Back T.D.: MD 8450 TVD	20. Depth Bridge Plug Set: MD TVD
---------------------------------	------------------------------------	--------------------------------------

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL/CCL/GR-SD/DSN/ACTR (<i>Only Logs</i>)	22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis)
--	--

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	6940							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5012	6184	5012 TO 6184	0.360	72	OPEN <i>New</i>
B) MESAVERDE	6766	7450	6766 TO 7450	0.360	72	OPEN <i>New</i>
C) MESAVERDE	7644	8352	7644 TO 8352	0.360	177	OPEN <i>Orig Perfs</i>
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5012 TO 7450	PUMP 4,745 BBLs SLICK H2O & 107,817 LBS 30/50 OTTAWA SAND

RECEIVED
NOV 08 2011
DIV. OF OIL, GAS & MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/27/2011	09/30/2011	24	▶	0.0	1490.0	340.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
23/64	SI	800.0	▶	0	1490	340		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			▶						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		▶						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #121983 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production ▶	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate ▶	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production ▶	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate ▶	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	1205
				BIRD'S NEST	1434
				MAHOGANY	1924
				WASATCH	4229
				MESAVERDE	6469

32. Additional remarks (include plugging procedure):

Attached is the chronological completion history and perforation report. New recompletion perfs are in the Wasatch 5012-6184' & Mesaverde 6766-7450'; existing perfs in Mesaverde 7644-8352'. Production test info is from all perfs. Casing in the well is as previously reported in the original completion report.

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #121983 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal**

Name (please print) JAIME L. SCHARNOWSKE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 11/02/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and wilfully 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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

**US ROCKIES REGION
Operation Summary Report**

Well: SOUTHMAN CANYON 923-310		Spud Conductor: 4/29/2008	Spud Date: 5/7/2008
Project: UTAH-UINTAH		Site: SOUTHMAN CANYON 923-310	Rig Name No:
Event: RECOMPL/RESEREVEADD		Start Date: 9/19/2011	End Date:
Active Datum: RKB @5,106.01ft (above Mean Sea Level)		UWI: SOUTHMAN CANYON 923-310	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/19/2011	6:45 - 7:00	0.25	COMP	48		P		<p>HSM. PINCH POINTS</p> <p>FTP 55 PSI. FCP 55 PSI.</p> <p>OPEN WELL T/ PROD TANKS T/ BLOW WELL DOWN. MIRU RIG & SPOT EQUIP. RIG PUMP T/ TBG PUMP 10 BBLs. RIG PUMP T/ CSG PUMP 20 BBLs T-MAC T/ CONTROL WELL. ND WH. NUBOP. UNLAND TBG. LD 4 1/16 TBG HNGR.</p> <p>PU 10 JTS 2 3/8 J-55 WORK STRING T/ TAG @ 8279'. POOH, LD 10 JTS WS. CONT POOH SCANNING 2 3/8 J-55 TBG. USING SCAN TECH. PULLED 253 JTS 2 3/8 J-55 TBG. FOUND 11 BAD JTS. VERY LIGHT SCALE IN XN-NIPPLE. RDMO SCAN TECH. RD TBG EQUIP. ND BOP. NUFRAC VALVES. SWI FOR NIGHT.</p>
	7:00 - 17:00	10.00	COMP	31	I	P		
9/20/2011	6:45 - 7:00	0.25	COMP	48		P		<p>TOTAL CLFL USED = 40 BBLs T-MAC.</p> <p>HSM. WIRE LINE AWARENESS</p> <p>SIWP 400 PSI.</p> <p>BLOW WELL DOWN T/ FBT.</p> <p>OPEN WELL. MIRU CASED HOLE SOLUTIONS WL. PU 4 1/2 GR. RIH T/ 7500'. DIDN'T TAG ANYTHING. POOH. PU 4 1/2 8K HAL CBP. RIH SET CBP @ 7490'. POOH. STD BACK WL. RIG PUMP T/ CSG VALVE. FILL CSG W/ 110 BBLs T-MAC. SWIFN. WAIT FOR B&C QUICK TEST.</p>
	7:00 - 15:00	8.00	COMP	34	I	P		
9/21/2011	6:45 - 7:00	0.25	COMP	48		P		<p>HSM. HIGH PSI LINES.</p> <p>SIWP 400 PSI. BLOW WELL DOWN T/ FBT.</p> <p>FILL SURFACE CSG. MIRU B&C QUICK TEST.</p> <p>PSI TEST T/ 1031 PSI. HELD FOR 15 MIN LOST 14 PSI.</p> <p>PSI TEST T/ 3521 PSI. HELD FOR 15 MIN LOST 21 PSI.</p> <p>1ST PSI TEST T/ 6200 PSI. HELD FOR 30 MIN LOST 48 PSI.</p> <p>BLEED OFF PSI. RDMO B&C QUICK TEST.</p>
	7:00 - 15:00	8.00	COMP	37	B	P		
9/22/2011	6:45 - 7:00	0.25	COMP	48		P		<p>PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90DEG PHASING. RIH PERF AS PER STG 1 PERF DESIGN. POOH. SWIFN.</p> <p>HSM. RU & HIGH PSI LINES.</p>

US ROCKIES REGION
Operation Summary Report

Well: SOUTHMAN CANYON 923-310		Spud Conductor: 4/29/2008	Spud Date: 5/7/2008
Project: UTAH-UINTAH		Site: SOUTHMAN CANYON 923-310	Rig Name No:
Event: RECOMPL/RESEREVEADD		Start Date: 9/19/2011	End Date:
Active Datum: RKB @5,106.01ft (above Mean Sea Level)		UWI: SOUTHMAN CANYON 923-310	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 18:00	11.00	COMP	36	B	P		<p>MIRU SUPERIOR FRAC CREW (ROCKSPRING CREW.)</p> <p>PSI TEST LINES T/ 7000 PSI. LOST 220 PSI. NOW VISABLE LEAKS. GOOD TEST.</p> <p>SET MECH & N2 POP-OFF T/ 6100 PSI.</p> <p>FRAC STG 1)WHP 588 PSI, BRK 4721 PSI @ 4.0 BPM. ISIP 1919 PSI, FG .70.</p> <p>CALC PERFS OPEN @ 45.5 BPM @ 4659 PSI = 81% HOLES OPEN.</p> <p>ISIP 2654 PSI, FG .80, NPI 735 PSI.</p> <p>MP 5508 PSI, MR 52.6 BPM, AP 4150 PSI, AR 46.2 BPM.</p> <p>SWI, X-OVER FOR WL.</p> <p>PERF STG 2)PU 4 1/2 8K HAL CBP @ 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7125' P/U PERF AS PER STG 2 PERF DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 2)WHP 710 PSI, BRK 4043 PSI @ 4.8 BPM. ISIP 2073 PSI, FG .73.</p> <p>CALC PERFS OPEN @ 39.7 BPM @ 5614 PSI = 60% HOLES OPEN.</p> <p>ISIP 2397 PSI, FG .78, NPI 324 PSI.</p> <p>MP 6056 PSI, MR 51.4 BPM, AP 3980 PSI, AR 49.1 BPM, SWI, X-OVER FOR WL.</p> <p>PERF STG 3)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6818' P/U PERF AS PER STG 3 PERF DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 3)WHP 260 PSI, BRK 4808 PSI @ 5.1 BPM. ISIP 1690 PSI, FG .69.</p> <p>CALC PERFS OPEN @ 39.8 BPM @ 5129 PSI = 60% HOLES OPEN.</p> <p>ISIP 2163 PSI, FG .76, NPI 473 PSI.</p> <p>MP 6108 PSI, MR 47.9 BPM, AP 4088 PSI, AR 41.8 BPM,</p> <p>SWIFN. PERF STG 4 IN THE :AM.</p> <p>HSM. HIGH PSI LINES & WIRE LINE AWARENESS</p>
9/23/2011	6:30 - 6:45	0.25	COMP	48		P		

**US ROCKIES REGION
Operation Summary Report**

Well: SOUTHMAN CANYON 923-310		Spud Conductor: 4/29/2008	Spud Date: 5/7/2008
Project: UTAH-UINTAH		Site: SOUTHMAN CANYON 923-310	Rig Name No:
Event: RECOMPL/RESEREVEADD		Start Date: 9/19/2011	End Date:
Active Datum: RKB @5,106.01ft (above Mean Sea Level)		UWI: SOUTHMAN CANYON 923-310	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:45 - 18:00	11.25	COMP	36	B	P		<p>PERF STG 4)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6214' P/U PERF AS PER STG 4 PERF DESIGN. POOH.</p> <p>FRAC STG 4)WHP 370 PSI, BRK 2608 PSI @ 3.8 BPM. ISIP 1462 PSI, FG .68. CALC PERFS OPEN @ 42.1 BPM @ 3792 PSI = 78% HOLES OPEN. ISIP 2243 PSI, FG .80, NPI 781 PSI. MP 4807 PSI, MR 51.9 BPM, AP 4016 PSI, AR 49.8 BPM. SWI, X-OVER FOR WL.</p> <p>PERF STG 5)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5853' P/U PERF AS PER STG 5 PERF DESIGN. POOH. X-OVER FOR FRAC CREW.</p> <p>FRAC STG 5)WHP 230 PSI, BRK 3863 PSI @ 3.8 BPM. ISIP 1675 PSI, FG .73. CALC PERFS OPEN @ 48.6 BPM @ 3846 PSI = 100% HOLES OPEN. ISIP 1532 PSI, FG .70, NPI -143 PSI. MP 4742 PSI, MR 52.6 BPM, AP 3437 PSI, AR 50.8 BPM, SWI, X-OVER FOR WL.</p> <p>PERF STG 6)PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5048' P/U PERF AS PER STG 6 PERF DESIGN. POOH, X-OVER FOR FRAC CREW.</p> <p>FRAC STG 6)WHP 215 PSI, BRK 2764 PSI @ 3.6 BPM. ISIP 945 PSI, FG .63. CALC PERFS OPEN @ 48.7 BPM @ 4066 PSI = 73% HOLES OPEN. ISIP 2109 PSI, FG .86, NPI 1164 PSI. MP 4458 PSI, MR 51.9 BPM, AP 3723 PSI, AR 50.1 BPM, SWI, X-OVER FOR WL.</p> <p>TOTAL SAND = 107,817 LBS TOTAL CLFL = 4745 BBLS</p> <p>PU 4 1/2 8K HAL CBP. RIH SET KILL PLUG @ 4962'. POOH, SWI. RDMO CASED HOLE SOLUTIONS & SUPERIOR FRAC SERV. BLEED OFF WELL. ND FRAC VALVES. NUBOP. TEST BLINDS T/ 3000 PSI. GOOD TEST. BLEED OFF PSI. RU TBG EQUIP. PU 3 7/8 MILL + X-DART + PUMP OPEN BIT SUB + 1.875 XN-NIPPLE. RIH W/ 156 JTS TAG KILL PLUG @ 4962' LD 1 JT. RU DRL EQUIP. TEST PIPE RAMS T/ 3000 PSI. GOOD TEST. SWIFWE. HSM. POWER SWIVEL SAFETY.</p>
9/26/2011	6:45 - 7:00	0.25	COMP	48		P		

**US ROCKIES REGION
Operation Summary Report**

Well: SOUTHMAN CANYON 923-310		Spud Conductor: 4/29/2008	Spud Date: 5/7/2008
Project: UTAH-UINTAH		Site: SOUTHMAN CANYON 923-310	Rig Name No:
Event: RECOMPL/RESEREVEADD		Start Date: 9/19/2011	End Date:
Active Datum: RKB @5,106.01ft (above Mean Sea Level)		UWI: SOUTHMAN CANYON 923-310	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 9:11	2.18	COMP	44	C	P		<p>OPEN WELL 0 PSI. BRK CONV CIRC. BEG DRL OUT. 1ST CBP) TAG SAND @ 4952' = 10' SAND. DRL OUT CBP @ 4926' IN 8 MIN. 0 PSI INCR. CONT RIH. 2ND CBP) TAG SAND @ 5011' = 30' SAND. DRL OUT CBP @ 5041' IN 6 MIN. 250 PSI INCR. CONT RIH. 3RD CBP) TAG SAND @ 5838' = 15' SAND. DRL OUT CBP @ 5853' IN 5 MIN. 200 PSI INCR. CONT RIH. 4TH CBP) TAG SAND @ 6194' = 20' SAND. DRL OUT CBP @ 6214' IN 8 MIN. 50 PSI INCR. CONT RIH. 5TH CBP) TAG SAND @ 6768' = 50' SAND. DRL OUT CBP @ 6818' IN 8 MIN. 175 PSI INCR. CONT RIH. 6TH CBP) TAG SAND @ 7109' = 16' SAND. DRL OUT CBP @ 7125' IN 8 MIN. 200 PSI INCR. CONT RIH. CO 12' OF SAND ON ISOLATION PLUG @ 7490'. CIRC WELL FOR 20 MIN. RD DRL EQUIP. RU TBG EQUIP. POOH, LD 18 JTS 2 3/8 PROD STRING. PU 4 1/16 FMC TBG HNGR. LAND TBG W/ KB = 18.00 HNGR = .83 220 JTS J-55 TBG = 6918.28 PUMP OPEN BIT SUB = 3.00 EOT @ 6940.11 RD TBG EQUIP & RIG FLOOR. ND BOP. NU WH. DROP BALL. PUMP BIT OFF W/ 1000 PSI. OPEN TBG T/ FBT. FTP = 200 PSI SICP = 300 PSI. TURN WELL OVER T/ DELSCO FBC. RACK OUT RIG EQUIP & RD RIG. ROAD RIG. TOTAL LOAD = 4745 BBLS RIG RECOVERD = 400 BBLS LEFT T/ RECOVER = 4345 BBL</p>
9/27/2011	7:00 -			33	A			<p>(((THIS HAS A PUMP OPEN BIT SUB.))) 7 AM FLBK REPORT: CP 1850#, TP 780#, 20/64" CK, 30 BWPH, MED SAND, - GAS TTL BBLS RECOVERED: 1085 BBLS LEFT TO RECOVER: 3660</p>
9/28/2011	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 1250#, TP 600#, 30/64" CK, 30 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 1795 BBLS LEFT TO RECOVER: 2950</p>
9/29/2011	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 900#, TP 510#, 30/64" CK, 20 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 2330 BBLS LEFT TO RECOVER: 2415</p>

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	SOUTHMAN CANYON 923-310	Wellbore No.	OH
Well Name	SOUTHMAN CANYON 923-310	Wellbore Name	SOUTHMAN CANYON 923-310
Report No.	1	Report Date	9/19/2011
Project	UTAH-UINTAH	Site	SOUTHMAN CANYON 923-310
Rig Name/No.		Event	RECOMPL/RESEREVEADD
Start Date	9/19/2011	End Date	
Spud Date	5/7/2008	Active Datum	RKB @5,106.01ft (above Mean Sea Level)
UWI	SOUTHMAN CANYON 923-310		

1.3 General

Contractor	CASEDHOLE SOLUTIONS	Job Method	PERFORATE	Supervisor	DAVE DANIELS
Perforated Assembly	PRODUCTION TUBING	Conveyed Method	WIRELINE		

1.4 Initial Conditions

Fluid Type		Fluid Density		Gross Interval	5,012.0 (ft)-7,450.0 (ft)	Start Date/Time	9/19/2011 12:00AM
Surface Press		Estimate Res Press		No. of Intervals	13	End Date/Time	9/19/2011 12:00AM
TVD Fluid Top		Fluid Head		Total Shots	144	Net Perforation Interval	36.00 (ft)
Hydrostatic Press		Press Difference		Avg Shot Density	4.00 (shot/ft)	Final Surface Pressure	
Balance Cond	NEUTRAL					Final Press Date	

1.5 Summary

2 Intervals

2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (ft)	CCL-T S (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
9/19/2011 12:00AM	WASATCH/			5,012.0	5,018.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (ft)	CCL-T S (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
9/19/2011 12:00AM	WASATCH/			5,759.0	5,762.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	WASATCH/			5,820.0	5,823.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	WASATCH/			6,084.0	6,086.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	WASATCH/			6,180.0	6,184.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	MESAVERDE/			6,766.0	6,770.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	MESAVERDE/			6,786.0	6,788.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	MESAVERDE/			6,955.0	6,957.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	MESAVERDE/			7,088.0	7,090.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	MESAVERDE/			7,097.0	7,099.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	MESAVERDE/			7,254.0	7,256.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	MESAVERDE/			7,348.0	7,350.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
9/19/2011 12:00AM	MESAVERDE/			7,448.0	7,450.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic

DEPARTMENT OF NATURAL RESOURCES

AMENDED REPORT

DIVISION OF OIL, GAS AND MINING

Original Filing Date: 12/5/2011

DESIGNATION OF WORKOVER OR RECOMPLETION

1. Name of Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.				2. Utah Account Number 82995.1		5. Well Name and Number SOUTHMAN CYN 923-	
3. Address of Operator P.O. Box 173779		City Denver	State CO	Zip 80217	4. Phone Number 720 929-6515		6. API Number 4304737205
9. Location of Well Footage: 0692 FSL 1802 FEL County: UINTAH QQ, Sec, Twnp, Rnge: SWSE 31 090S 230E State: UTAH						7. Field Name NATURAL BUTTES	
						8. Field Code Number 630	

COMPLETE ALL SECTIONS. ATTACH ADDITIONAL SHEETS IF NEEDED.

10. TYPE OF WORK (Check all that apply)		11. WORK PERIOD	
<input type="checkbox"/> Production enhancement	<input checked="" type="checkbox"/> Recompletion	Date work commenced	9/19/2011 70 Days From
<input type="checkbox"/> Convert to injection	<input type="checkbox"/> Repair well	Date work completed	9/26/2011 Completion

12. THE FOLLOWING EXPENSES FOR OPERATIONS ARE SUBMITTED FOR DESIGNATION AS WORKOVER OR RECOMPLETION EXPENSES:

	Expenses	Approved By State
a. Location preparation and cleanup	0.00	0.00
b. Move-in, rig-up, and rig-down (including trucking)	1650.00	1650.00
c. Rig charges (including fuel)	38232.00	38232.00
d. Drill pipe or other working string	0.00	0.00
e. Water and chemicals for circulating fluid (including water hauling)	29338.94	29338.94
f. Equipment purchase	0.00	0.00
g. Equipment rental	17085.00	17085.00
h. Cementing	0.00	0.00
i. Perforating	30020.00	30020.00
j. Acidizing	0.00	0.00
k. Fracture stimulation	170535.00	170535.00
l. Logging services	0.00	0.00
m. Supervision and overhead	6100.00	6100.00
n. Other (itemize)		
Flow Back Crew	8500.00	8500.00
PRESSURE TEST FRAC VALVES	1100.00	1100.00
0	0.00	0.00
0	0.00	0.00
o. Total submitted expenses	302560.94	
p. Total approved expenses (State use only)		302560.94

13. LIST CONTRACTORS PROVIDING SERVICES VALUED AT MORE THAN \$3,000.

Contractor	Location (City, State)	Services Provided
Casedhole Solutions	Vernal UT	PERFORATING
CHARLES HOLSTON INC	Vernal UT	FRAC TANKS
DELSCO NORTHWEST INC	ROOSEVELT UT	FLOWBACK CREW
HALLIBURTON ENERGY SERVICES INC	Vernal UT	CBPS
JD FIELD SERVICES	Vernal UT	WATER HAULING
MILES WELL SERVICE	NEOLA UT	RIG
NALCO COMPANY	Vernal UT	CHEMICALS
RNI TRUCKING	ROOSEVELT UT	WATER HAULING
ROYAL WELL SERVICE	Vernal Ut	RIG
SUPERIOR WELL SERVICES	Vernal UT	FRAC
WEATHERFORD	VERNAL UT	BOPS FOAM UNIT FRAC VALVES

14. LIST WORKING INTEREST OWNERS WHO TAKE PRODUCT IN KIND AND ARE AUTHORIZED TO SHARE IN THE TAX CREDIT.

Name	Address	Utah Account No.	Percent of Interest

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Sheila Wopsock

TITLE Regulatory Analyst PHONE 435 781-7024
RECEIVED Dec. 05, 2011

SIGNATURE

Sheila Wopsock

DATE

December 5, 2011

E-MAIL

sheila.wopsock@anada

RECEIVED Dec. 05, 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: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6029

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
See Atchmt	See Atchmt						
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
	99999	18519				5/11/2012	
Comments: Please see attachment with list of Wells in the Ponderosa Unit. <u>W5MVD</u>							5/30/2012

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)

RECEIVED

MAY 21 2012

Cara Mahler

Name (Please Print)

Signature

REGULATORY ANALYST

5/21/2012

Title

Date

well_name	sec	twp	rng	api	entity	lease	well	stat	qtr_qtr	bhl	surf	zone	a_stat	l_num	op_no
SOUTHMAN CANYON 31-3	31	090S	230E	4304734726	13717	1	GW	P	SENW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CANYON 31-4	31	090S	230E	4304734727	13742	1	GW	S	SESW		1	WSMVD	S	UTU-33433	N2995
SOUTHMAN CYN 31-2X (RIG SKID)	31	090S	230E	4304734898	13755	1	GW	P	NWNW		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31J	31	090S	230E	4304735149	13994	1	GW	P	NWSE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31B	31	090S	230E	4304735150	13953	1	GW	P	NWNE		1	MVRD	P	U-33433	N2995
SOUTHMAN CYN 923-31P	31	090S	230E	4304735288	14037	1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31H	31	090S	230E	4304735336	14157	1	GW	P	SENE		1	WSMVD	P	U-33433	N2995
SOUTHMAN CYN 923-31O	31	090S	230E	4304737205	16827	1	GW	P	SWSE		1	MVRD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31K	31	090S	230E	4304737206	16503	1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31G	31	090S	230E	4304737208	16313	1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31E	31	090S	230E	4304737209	16521	1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31A	31	090S	230E	4304737210	16472	1	GW	P	NENE		1	WSMVD	P	UTU-33433	N2995
SOUTHMAN CYN 923-31C	31	090S	230E	4304737227	16522	1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-1G	01	100S	230E	4304735512	14458	1	GW	P	SWNE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1A	01	100S	230E	4304735717	14526	1	GW	P	NENE		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1E	01	100S	230E	4304735745	14524	1	GW	P	SWNW		1	WSMVD	P	U-40736	N2995
BONANZA 1023-1C	01	100S	230E	4304735754	14684	1	GW	P	NENW		1	MVRD	P	U-40736	N2995
BONANZA 1023-1K	01	100S	230E	4304735755	15403	1	GW	P	NESW		1	MVRD	P	U-38423	N2995
BONANZA 1023-1F	01	100S	230E	4304737379	16872	1	GW	P	SENW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1B	01	100S	230E	4304737380	16733	1	GW	P	NWNE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1D	01	100S	230E	4304737381	16873	1	GW	P	NWNW		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1H	01	100S	230E	4304737430	16901	1	GW	P	SENE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1L	01	100S	230E	4304738300	16735	1	GW	P	NWSW		1	MVRD	P	UTU-38423	N2995
BONANZA 1023-1J	01	100S	230E	4304738302	16871	1	GW	P	NWSE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-1I	01	100S	230E	4304738810	16750	1	GW	P	NESE		1	MVRD	P	UTU-40736	N2995
BONANZA 1023-2E	02	100S	230E	4304735345	14085	3	GW	P	SWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2C	02	100S	230E	4304735346	14084	3	GW	P	NENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2A	02	100S	230E	4304735347	14068	3	GW	P	NENE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2G	02	100S	230E	4304735661	14291	3	GW	P	SWNE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O	02	100S	230E	4304735662	14289	3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2I	02	100S	230E	4304735663	14290	3	GW	S	NESE		3	WSMVD	S	ML-47062	N2995
BONANZA 1023-2MX	02	100S	230E	4304736092	14730	3	GW	P	SWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H	02	100S	230E	4304737093	16004	3	GW	P	SENE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D	02	100S	230E	4304737094	15460	3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2B	02	100S	230E	4304737095	15783	3	GW	P	NWNE		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2P	02	100S	230E	4304737223	15970	3	GW	P	SESE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2N	02	100S	230E	4304737224	15887	3	GW	P	SESW		3	MVRD	P	ML-47062	N2995
BONANZA 1023-2L	02	100S	230E	4304737225	15833	3	GW	P	NWSW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2F	02	100S	230E	4304737226	15386	3	GW	P	SENW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2D-4	02	100S	230E	4304738761	16033	3	GW	P	NWNW		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2O-1	02	100S	230E	4304738762	16013	3	GW	P	SWSE		3	WSMVD	P	ML-47062	N2995
BONANZA 1023-2H3CS	02	100S	230E	4304750344	17426	3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G3BS	02	100S	230E	4304750345	17428	3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G2CS	02	100S	230E	4304750346	17429	3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2G1BS	02	100S	230E	4304750347	17427	3	GW	P	NWNE	D	3	MVRD	P	ML 47062	N2995

BONANZA 1023-2M1S	02	100S	230E	4304750379	17443	3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2L2S	02	100S	230E	4304750380	17444	3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K4S	02	100S	230E	4304750381	17446	3	GW	P	SENW	D	3	MVRD	P	ML 47062	N2995
BONANZA 1023-2K1S	02	100S	230E	4304750382	17445	3	GW	P	SENW	D	3	WSMVD	P	ML 47062	N2995
BONANZA 4-6 *	04	100S	230E	4304734751	13841	1	GW	P	NESW		1	MNCS	P	UTU-33433	N2995
BONANZA 1023-4A	04	100S	230E	4304735360	14261	1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4E	04	100S	230E	4304735392	14155	1	GW	P	SWNW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4C	04	100S	230E	4304735437	14252	1	GW	P	NENW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4M	04	100S	230E	4304735629	14930	1	GW	P	SWSW		1	WSMVD	P	U-33433	N2995
BONANZA 1023-4O	04	100S	230E	4304735688	15111	1	GW	P	SWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4I	04	100S	230E	4304735689	14446	1	GW	P	NESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4G	04	100S	230E	4304735746	14445	1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4D	04	100S	230E	4304737315	16352	1	GW	P	NWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4H	04	100S	230E	4304737317	16318	1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4B	04	100S	230E	4304737328	16351	1	GW	P	NWNE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4L	04	100S	230E	4304738211	16393	1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-4P	04	100S	230E	4304738212	16442	1	GW	P	SESE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4N	04	100S	230E	4304738303	16395	1	GW	P	SESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-4FX (RIGSKID)	04	100S	230E	4304739918	16356	1	GW	P	SENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5O	05	100S	230E	4304735438	14297	1	GW	P	SWSE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5AX (RIGSKID)	05	100S	230E	4304735809	14243	1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-5C	05	100S	230E	4304736176	14729	1	GW	P	NENW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G	05	100S	230E	4304736177	14700	1	GW	P	SWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5M	05	100S	230E	4304736178	14699	1	GW	P	SWSW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5K	05	100S	230E	4304736741	15922	1	GW	P	NESW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5B	05	100S	230E	4304737318	16904	1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5E	05	100S	230E	4304737319	16824	1	GW	P	SWNW		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5H	05	100S	230E	4304737320	16793	1	GW	P	SENE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5N	05	100S	230E	4304737321	16732	1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5L	05	100S	230E	4304737322	16825	1	GW	P	NWSW		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5J	05	100S	230E	4304737428	17055	1	GW	P	NWSE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5P	05	100S	230E	4304738213	16795	1	GW	P	SESE		1	MVRD	P	UTU-33433	N2995
BONANZA 1023-5N-1	05	100S	230E	4304738911	17060	1	GW	P	SESW		1	WSMVD	P	UTU-73450	N2995
BONANZA 1023-5PS	05	100S	230E	4304750169	17323	1	GW	P	NESE	D	1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-5G2AS	05	100S	230E	4304750486	17459	1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G2CS	05	100S	230E	4304750487	17462	1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3BS	05	100S	230E	4304750488	17461	1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5G3CS	05	100S	230E	4304750489	17460	1	GW	P	SWNE	D	1	MVRD	P	UTU 33433	N2995
BONANZA 1023-5N4AS	05	100S	230E	4304752080	18484	1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU73450	N2995
BONANZA 1023-8C2DS	05	100S	230E	4304752081	18507	1	GW	DRL	SWSW	D	1	WSMVD	DRL	UTU37355	N2995
BONANZA 6-2	06	100S	230E	4304734843	13796	1	GW	TA	NESW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6C	06	100S	230E	4304735153	13951	1	GW	P	NENW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6E	06	100S	230E	4304735358	14170	1	GW	P	SWNW		1	MVRD	P	U-38419	N2995
BONANZA 1023-6M	06	100S	230E	4304735359	14233	1	GW	P	SWSW		1	WSMVD	P	U-38419	N2995
BONANZA 1023-6G	06	100S	230E	4304735439	14221	1	GW	P	SWNE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6O	06	100S	230E	4304735630	14425	1	GW	TA	SWSE		1	WSMVD	TA	U-38419	N2995

* not moved in unit

BONANZA 1023-6A	06	100S	230E	4304736067	14775			1	GW	P	NENE		1	WSMVD	P	U-33433	N2995
BONANZA 1023-6N	06	100S	230E	4304737211	15672			1	GW	P	SESW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6L	06	100S	230E	4304737212	15673			1	GW	P	NWSW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6J	06	100S	230E	4304737213	15620			1	GW	P	NWSE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6F	06	100S	230E	4304737214	15576			1	GW	TA	SENW		1	WSMVD	TA	UTU-38419	N2995
BONANZA 1023-6P	06	100S	230E	4304737323	16794			1	GW	P	SESE		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6H	06	100S	230E	4304737324	16798			1	GW	S	SENE		1	WSMVD	S	UTU-33433	N2995
BONANZA 1023-6D	06	100S	230E	4304737429	17020			1	GW	P	NWNW		1	WSMVD	P	UTU-38419	N2995
BONANZA 1023-6B	06	100S	230E	4304740398	18291			1	GW	P	NWNE		1	WSMVD	P	UTU-33433	N2995
BONANZA 1023-6M1BS	06	100S	230E	4304750452	17578			1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1AS	06	100S	230E	4304750453	17581			1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N1CS	06	100S	230E	4304750454	17580			1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6N4BS	06	100S	230E	4304750455	17579			1	GW	P	NWSW	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I2S	06	100S	230E	4304750457	17790			1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6I4S	06	100S	230E	4304750458	17792			1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6J3S	06	100S	230E	4304750459	17791			1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6P1S	06	100S	230E	4304750460	17793			1	GW	P	NESE	D	1	WSMVD	P	UTU 38419	N2995
BONANZA 1023-6A2CS	06	100S	230E	4304751430	18292			1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4BS	06	100S	230E	4304751431	18293			1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6B4CS	06	100S	230E	4304751432	18294			1	GW	P	NWNE	D	1	WSMVD	P	UTU33433	N2995
BONANZA 1023-6C4BS	06	100S	230E	4304751449	18318			1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
BONANZA 1023-6D1DS	06	100S	230E	4304751451	18316			1	GW	P	NENW	D	1	WSMVD	P	UTU38419	N2995
FLAT MESA FEDERAL 2-7	07	100S	230E	4304730545	18244			1	GW	S	NENW		1	WSMVD	S	U-38420	N2995
BONANZA 1023-7B	07	100S	230E	4304735172	13943			1	GW	P	NWNE		1	MVRD	P	U-38420	N2995
BONANZA 1023-7L	07	100S	230E	4304735289	14054			1	GW	P	NWSW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7D	07	100S	230E	4304735393	14171			1	GW	P	NWNW		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7P	07	100S	230E	4304735510	14296			1	GW	P	SESE		1	WSMVD	P	U-38420	N2995
BONANZA 1023-7H	07	100S	230E	4304736742	15921			1	GW	P	SENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7NX (RIGSKID)	07	100S	230E	4304736932	15923			1	GW	P	SESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7M	07	100S	230E	4304737215	16715			1	GW	P	SWSW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7K	07	100S	230E	4304737216	16714			1	GW	P	NESW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7E	07	100S	230E	4304737217	16870			1	GW	P	SWNW		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7G	07	100S	230E	4304737326	16765			1	GW	P	SWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7A	07	100S	230E	4304737327	16796			1	GW	P	NENE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7O	07	100S	230E	4304738304	16713			1	GW	P	SWSE		1	MVRD	P	UTU-38420	N2995
BONANZA 1023-7B-3	07	100S	230E	4304738912	17016			1	GW	P	NWNE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-07JT	07	100S	230E	4304739390	16869			1	GW	P	NWSE		1	WSMVD	P	UTU-38420	N2995
BONANZA 1023-7J2AS	07	100S	230E	4304750474	17494			1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7J2DS	07	100S	230E	4304750475	17495			1	GW	P	NWSE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7L3DS	07	100S	230E	4304750476	17939			1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7M2AS	07	100S	230E	4304750477	17942			1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2AS	07	100S	230E	4304750478	17940			1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7N2DS	07	100S	230E	4304750479	17941			1	GW	P	NWSW	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7O4S	07	100S	230E	4304750480	17918			1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 1023-7P2S	07	100S	230E	4304750482	17919			1	GW	P	SESE	D	1	WSMVD	P	UTU 38420	N2995
BONANZA 8-2	08	100S	230E	4304734087	13851			1	GW	P	SESE		1	MVRD	P	U-37355	N2995

BONANZA 8-3	08	100S	230E	4304734770	13843			1	GW	P	NWNW			1	MVRD	P	U-37355	N2995
BONANZA 1023-8A	08	100S	230E	4304735718	14932			1	GW	P	NENE			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8L	08	100S	230E	4304735719	14876			1	GW	P	NWSW			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8N	08	100S	230E	4304735720	15104			1	GW	P	SESW			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8F	08	100S	230E	4304735989	14877			1	GW	S	SENW			1	WSMVD	S	UTU-37355	N2995
BONANZA 1023-8I	08	100S	230E	4304738215	16358			1	GW	P	NESE			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8K	08	100S	230E	4304738216	16354			1	GW	P	NESW			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8M	08	100S	230E	4304738217	16564			1	GW	P	SWSW			1	MVRD	P	UTU-37355	N2995
BONANZA 1023-8G	08	100S	230E	4304738218	16903			1	GW	P	SWNE			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8E	08	100S	230E	4304738219	16397			1	GW	P	SWNW			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8C	08	100S	230E	4304738220	16355			1	GW	P	NENW			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B	08	100S	230E	4304738221	16292			1	GW	P	NWNE			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8H	08	100S	230E	4304738222	16353			1	GW	P	SENE			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8O	08	100S	230E	4304738305	16392			1	GW	P	SWSE			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8B-4	08	100S	230E	4304738914	17019			1	GW	P	NWNE			1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-8A1DS	08	100S	230E	4304750481	17518			1	GW	P	NENE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4BS	08	100S	230E	4304750483	17519			1	GW	P	NENE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B1AS	08	100S	230E	4304750484	17520			1	GW	P	NENE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B2AS	08	100S	230E	4304750485	17521			1	GW	P	NENE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O2S	08	100S	230E	4304750495	17511			1	GW	P	NWSE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J1S	08	100S	230E	4304750496	17509			1	GW	P	NWSE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3S	08	100S	230E	4304750497	17512			1	GW	P	NWSE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J3	08	100S	230E	4304750498	17510			1	GW	P	NWSE			1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C4CS	08	100S	230E	4304750499	17544			1	GW	P	NENW	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D2DS	08	100S	230E	4304750500	17546			1	GW	P	NENW	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8D3DS	08	100S	230E	4304750501	17545			1	GW	P	NENW	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3DS	08	100S	230E	4304750502	17543			1	GW	P	NENW	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8A4CS	08	100S	230E	4304751131	18169			1	GW	P	NWNE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8B3BS	08	100S	230E	4304751132	18167			1	GW	P	NWNE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8C1AS	08	100S	230E	4304751133	18166			1	GW	P	NWNE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G3AS	08	100S	230E	4304751134	18168			1	GW	P	NWNE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2AS	08	100S	230E	4304751135	18227			1	GW	P	SENW	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F3BS	08	100S	230E	4304751136	18227			1	GW	P	SENW	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4AS	08	100S	230E	4304751137	18224			1	GW	P	SENW	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8F4DS	08	100S	230E	4304751138	18225			1	GW	P	SENW	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J2CS	08	100S	230E	4304751139	18226			1	GW	P	SENW	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8G4DS	08	100S	230E	4304751140	18144			1	GW	P	NESE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H2DS	08	100S	230E	4304751141	18142			1	GW	P	NESE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H3DS	08	100S	230E	4304751142	18143			1	GW	P	NESE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8H4DS	08	100S	230E	4304751143	18141			1	GW	P	NESE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8I4BS	08	100S	230E	4304751144	18155			1	GW	P	NESE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8J4BS	08	100S	230E	4304751145	18154			1	GW	P	NESE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P1AS	08	100S	230E	4304751146	18156			1	GW	P	NESE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2BS	08	100S	230E	4304751147	18153			1	GW	P	NESE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P4AS	08	100S	230E	4304751148	18157			1	GW	P	NESE	D		1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8E2DS	08	100S	230E	4304751149	18201			1	GW	P	NWSW	D		1	WSMVD	P	UTU 37355	N2995

BONANZA 1023-8E3DS	08	100S	230E	4304751150	18200			1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K1CS	08	100S	230E	4304751151	18199			1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8K4CS	08	100S	230E	4304751152	18198			1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8L3DS	08	100S	230E	4304751153	18197			1	GW	P	NWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2AS	08	100S	230E	4304751154	18217			1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8M2DS	08	100S	230E	4304751155	18216			1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N2BS	08	100S	230E	4304751156	18218			1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O3CS	08	100S	230E	4304751157	18254			1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8N3DS	08	100S	230E	4304751158	18215			1	GW	P	SWSW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8O4AS	08	100S	230E	4304751159	18252			1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P2CS	08	100S	230E	4304751160	18251			1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-8P3CS	08	100S	230E	4304751161	18253			1	GW	P	SWSE	D	1	WSMVD	P	UTU 37355	N2995
CANYON FEDERAL 2-9	09	100S	230E	4304731504	1468			1	GW	P	NENW		1	MVRD	P	U-37355	N2995
SOUTHMAN CANYON 9-3-M	09	100S	230E	4304732540	11767			1	GW	S	SWSW		1	MVRD	S	UTU-37355	N2995
SOUTHMAN CANYON 9-4-J	09	100S	230E	4304732541	11685			1	GW	S	NWSE		1	MVRD	S	UTU-37355	N2995
BONANZA 9-6	09	100S	230E	4304734771	13852			1	GW	P	NWNE		1	MVRD	P	U-37355	N2995
BONANZA 9-5	09	100S	230E	4304734866	13892			1	GW	P	SESW		1	MVRD	P	U-37355	N2995
BONANZA 1023-9E	09	100S	230E	4304735620	14931			1	GW	P	SWNW		1	WSMVD	P	U-37355	N2995
BONANZA 1023-9I	09	100S	230E	4304738223	16766			1	GW	P	NESE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9D	09	100S	230E	4304738306	16398			1	GW	P	NWNW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9J	09	100S	230E	4304738811	16989			1	GW	P	NWSE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-9B3BS	09	100S	230E	4304750503	17965			1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9B3CS	09	100S	230E	4304750504	17968			1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2BS	09	100S	230E	4304750505	17966			1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-9H2CS	09	100S	230E	4304750506	17967			1	GW	P	SENE	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 10-2	10	100S	230E	4304734704	13782			1	GW	P	NWNW		1	MVRD	P	U-72028	N2995
BONANZA 1023-10L	10	100S	230E	4304735660	15164			1	GW	P	NWSW		1	WSMVD	P	U-38261	N2995
BONANZA 1023-10E	10	100S	230E	4304738224	16501			1	GW	P	SWNW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C	10	100S	230E	4304738228	16500			1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 1023-10C-4	10	100S	230E	4304738915	17015			1	GW	P	NENW		1	MVRD	P	UTU-72028	N2995
BONANZA 11-2 ★	11	100S	230E	4304734773	13768			1	GW	P	SWNW		1	MVMCS	P	UTU-38425	N2995
BONANZA 1023-11K	11	100S	230E	4304735631	15132			1	GW	P	NESW		1	WSMVD	P	UTU-38425	N2995
BONANZA 1023-11B	11	100S	230E	4304738230	16764			1	GW	P	NWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11F	11	100S	230E	4304738232	16797			1	GW	P	SENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11D	11	100S	230E	4304738233	16711			1	GW	P	NWNW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11G	11	100S	230E	4304738235	16826			1	GW	P	SWNE		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11C	11	100S	230E	4304738309	16736			1	GW	P	NENW		1	MVRD	P	UTU-38425	N2995
BONANZA 1023-11J	11	100S	230E	4304738310	16839			1	GW	P	NWSE		1	WSMVD	P	UTU-38424	N2995
BONANZA 1023-11N	11	100S	230E	4304738311	16646			1	GW	P	SESW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11M	11	100S	230E	4304738312	16687			1	GW	P	SWSW		1	MVRD	P	UTU-38424	N2995
BONANZA 1023-11L	11	100S	230E	4304738812	16987			1	GW	P	NWSW		1	WSMVD	P	UTU-38424	N2995
NSO FEDERAL 1-12	12	100S	230E	4304730560	1480			1	GW	P	NENW		1	MVRD	P	UTU-38423	N2995
WHITE RIVER 1-14	14	100S	230E	4304730481	1500			1	GW	S	NENW		1	MVRD	S	U-38427	N2995
BONANZA 1023-14D	14	100S	230E	4304737030	16799			1	GW	P	NWNW		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-14C	14	100S	230E	4304738299	16623			1	GW	P	NENW		1	MVRD	P	UTU-38427	N2995
BONANZA FEDERAL 3-15	15	100S	230E	4304731278	8406			1	GW	P	NENW		1	MVRD	P	U-38428	N2995

★ not moved into unit

BONANZA 1023-15H	15	100S	230E	4304738316	16688		1	GW	P	SENE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15J	15	100S	230E	4304738817	16988		1	GW	P	NWSE		1	MVRD	P	UTU-38427	N2995
BONANZA 1023-15H4CS	15	100S	230E	4304750741	17492		1	GW	P	NESE	D	1	MVRD	P	UTU 38427	N2995
BONANZA 1023-15I2AS	15	100S	230E	4304750742	17493		1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15I4BS	15	100S	230E	4304750743	17490		1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
BONANZA 1023-15P1BS	15	100S	230E	4304750744	17491		1	GW	P	NESE	D	1	WSMVD	P	UTU 38427	N2995
LOOKOUT POINT STATE 1-16	16	100S	230E	4304730544	1495		3	GW	P	NESE		3	WSMVD	P	ML-22186-A	N2995
BONANZA 1023-16J	16	100S	230E	4304737092	15987		3	GW	OPS	NWSE		3	WSMVD	OPS	ML-22186-A	N2995
BONANZA 1023-17B	17	100S	230E	4304735747	15165		1	GW	P	NWNE		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17C	17	100S	230E	4304738237	16585		1	GW	P	NENW		1	WSMVD	P	UTU-37355	N2995
BONANZA 1023-17D3S	17	100S	230E	4304750511	17943		1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E2S	17	100S	230E	4304750512	17944		1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3AS	17	100S	230E	4304750513	17945		1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-17E3CS	17	100S	230E	4304750514	17946		1	GW	P	NENW	D	1	WSMVD	P	UTU 37355	N2995
BONANZA 1023-18G	18	100S	230E	4304735621	14410		1	GW	P	SWNE		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18B	18	100S	230E	4304735721	14395		1	GW	P	NWNE		1	WSMVD	P	U-38421	N2995
BONANZA 1023-18DX (RIGSKID)	18	100S	230E	4304736218	14668		1	GW	P	NWNW		1	WSMVD	P	U-38241	N2995
BONANZA 1023-18A	18	100S	230E	4304738243	16625		1	GW	P	NENE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18F	18	100S	230E	4304738244	16624		1	GW	P	SENW		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18E	18	100S	230E	4304738245	16645		1	GW	P	SWNW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18C	18	100S	230E	4304738246	16734		1	GW	P	NENW		1	MVRD	P	UTU-38421	N2995
BONANZA 1023-18G-1	18	100S	230E	4304738916	17135		1	GW	P	SWNE		1	WSMVD	P	UTU-38421	N2995
BONANZA 1023-18D3AS	18	100S	230E	4304750448	17498		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18D3DS	18	100S	230E	4304750449	17499		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E2DS	18	100S	230E	4304750450	17497		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18E3AS	18	100S	230E	4304750451	17496		1	GW	P	SENW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L2S	18	100S	230E	4304750520	18111		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18L3S	18	100S	230E	4304750521	18110		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3AS	18	100S	230E	4304751061	18112		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18K3BS	18	100S	230E	4304751063	18113		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2AS	18	100S	230E	4304751064	18117		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18M2DS	18	100S	230E	4304751065	18116		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2AS	18	100S	230E	4304751066	18114		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-18N2DS	18	100S	230E	4304751067	18115		1	GW	P	SWNW	D	1	WSMVD	P	UTU 38421	N2995
BONANZA 1023-10F	10	100S	230E	4304738225	16565			GW	P	SENW			MVRD	P	UTU 72028	N2995
BONANZA 1023-6D1AS	6	100S	230E	4304751450	18320			GW	P	NENW	D		WSMVD	P	UTU 38419	N2995
BONANZA 1023-6C1CS	6	100S	230E	4304751448	18319			GW	P	NENW	D			P	UTU 38419	N2995
BONANZA 1023-6D3AS	6	100S	230E	4304751452	18317			GW	P	NENW	D		WSMVD	P	UTU 38419	N2995