elpaso Production

August 2, 2001

State of Utah
Division of Oil Gas & Mining
170 South 500 East
Roosevelt, UT 84066

ATTENTION: Lisha Cordova

RE: CIGE 263 & CIGE 264
NBU 385, 389 & 390

Enclosed is the original Application's For Permit To Drill, and one copy each, for the locations referenced above.

Please call me at your earliest convenience so that we can schedule an on-site date. My telephone number is (435) 781-7023.

Sincerely,

Cheryl Cameron
Regulatory Analyst

cc:

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RECEIVED

AUG 03 2001

DIVISION OF
OIL, GAS AND MINING

El Paso Production
1368 South 1200 East Vernal, Utah 84078
PO Box 1148 Vernal, Utah 84078
tel 435.789.4433 fax 435.789.4436

FORM

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number: ML-22793

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

6. If Indian, Allottee or Tribe Name:

1A. Type of Work: DRILL [x] DEEPEN [ ]

7. Unit Agreement Name: Natural Buttes Unit

B. Type of Well OIL [ ] GAS [x] OTHER: SINGLE ZONE [ ] MULTIPLE ZONE [ ]

8. Farm or Lease Name: NBU

2. Name of Operator: El Paso Production Company

CONFIDENTIAL

9. Well Number: 390

3. Address and Telephone Number: P.O. Box 1148 Vernal, UT 84078 (435) 781-7023

10. Field and Pool, or Wildcat: Natural Buttes

4. Location of Well (Footages)

At Surface: 1235' FSL & 988' FEL

4419028 N
620673 E

At Proposed Producing Zone:

11. Qtr/Qtr, Section, Township, Range, Meridian: SE/SE Sec. 30, T10S, R21E

14. Distance in miles and direction from nearest town or post office: 19.4 Miles Southwest of Ouray, UT

12. County: Uintah

13. State: UTAH

15. Distance to nearest property or lease line (feet): 988'

16. Number of acres in lease: 643.87

17. Number or acres assigned to this well: 643.87

18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): Refer to Topo C

19. Proposed Depth: 7300'

20. Rotary or cable tools: Rotary

21. Elevations (show whether DR, RT, GR, etc.): 5264 GL

22. Approximate date work will start:

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" K-55	24#	250'	90 sx Class G
7 7/8"	4 1/2" K-55	11.6#	7300'	410 sx Hifill & 970 sx 50/50 Poz

DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

RECEIVED
AUG 03 2001
DIVISION OF
OIL, GAS AND MINING

24.

Name & Signature: Cheryl Cameron Cheryl Cameron Title: Regulatory Analyst Date: 8/2/2001

(This space for State use only)

API Number Assigned: 43-047-34230

Approval:

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 09-10-01

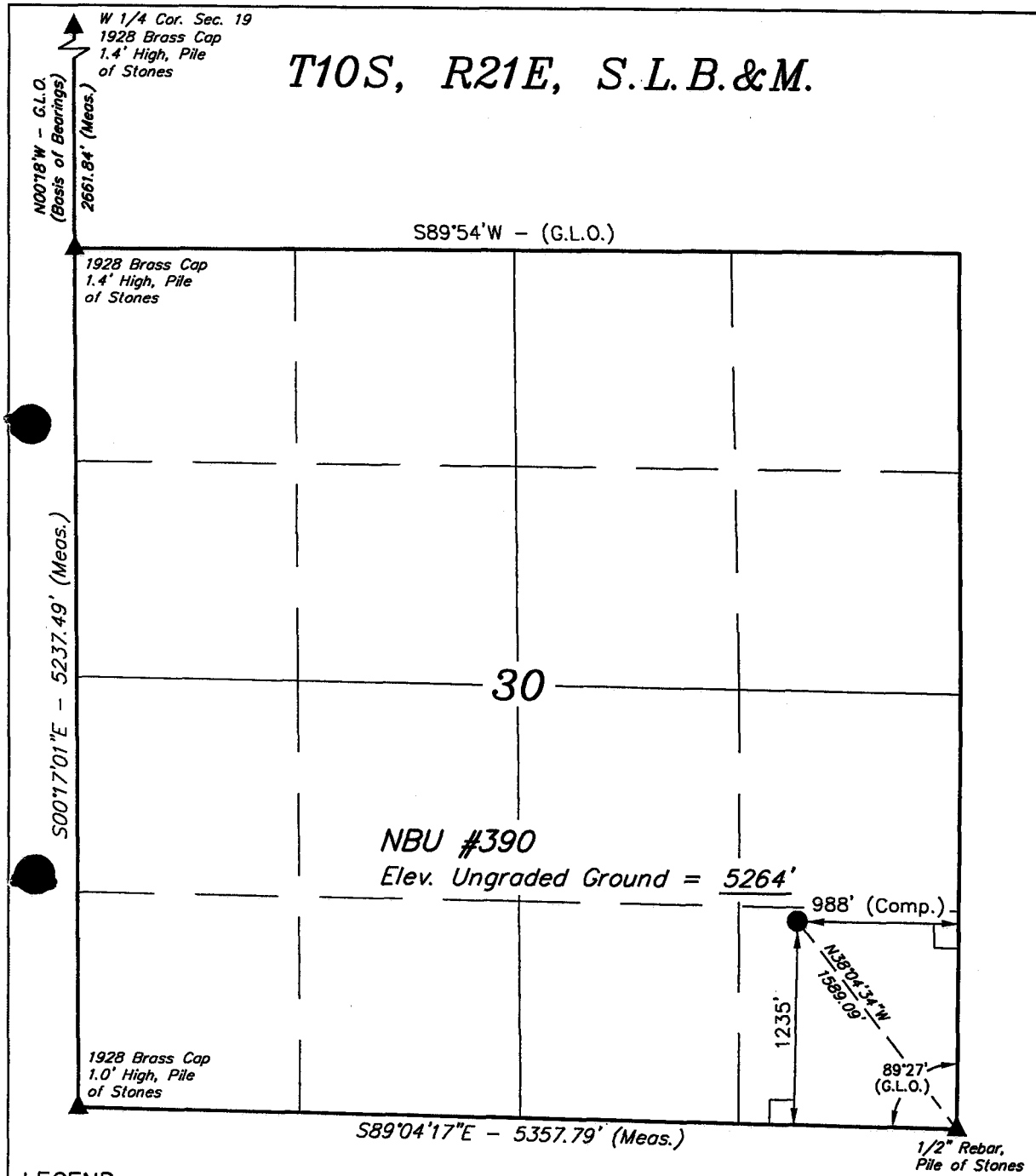
By: Bradley Hill

(1/93)

(See instructions on Reverse Side)

COASTAL OIL & GAS CORP.

Well location, NBU #390, located as shown in the SE 1/4 SE 1/4 of Section 30, T10S, R21E, S.L.B.&M. Uintah County, Utah.



LEGEND:

└ = 90° SYMBOL

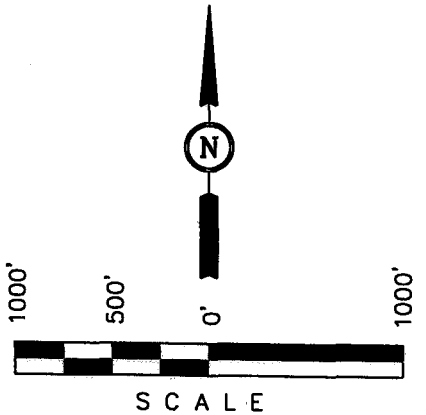
● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

LATITUDE = 39°54'53"
LONGITUDE = 109°35'17"

BASIS OF ELEVATION

SPOT ELEVATION LOCATED ON A ROAD IN THE NW 1/4 NE 1/4 OF SECTION 25, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5302. FEET.



CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

SCALE 1" = 1000'	DATE SURVEYED: 2-6-01	DATE DRAWN: 2-8-01
PARTY C.T. D.T. D.COX	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE COASTAL OIL & GAS CORP.	

COASTAL OIL & GAS CORP.

NBU #390

LOCATED IN UINTAH COUNTY, UTAH
SECTION 30, T10S, R21E, S.L.B.&M.

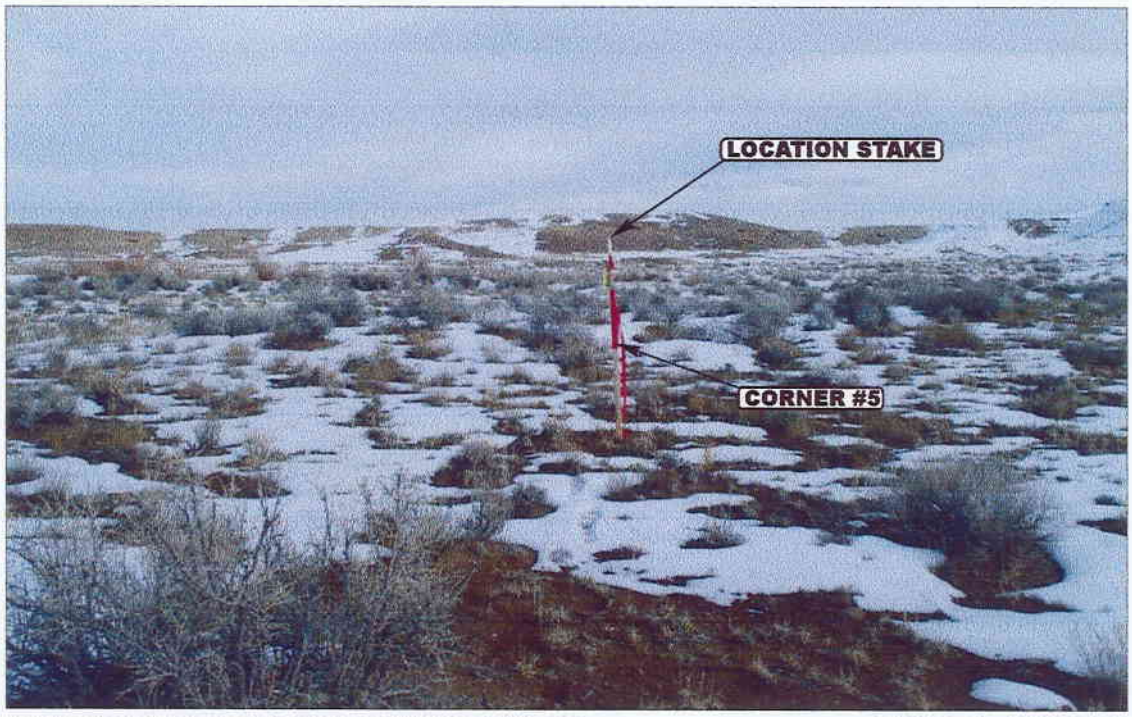


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: EASTERLY**

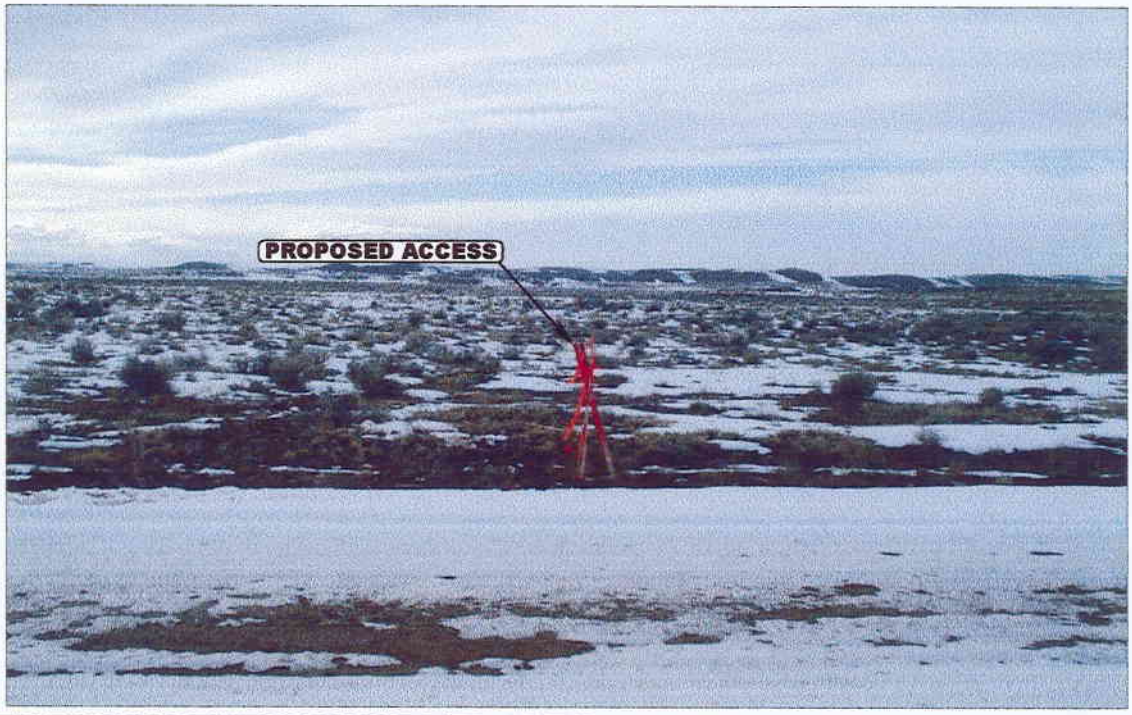


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHWESTERLY**

- Since 1964 -

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

LOCATION PHOTOS	2 MONTH	26 DAY	01 YEAR	PHOTO
TAKEN BY: C.T.	DRAWN BY: P.M.	REVISED: 00-00-00		

COASTAL OIL & GAS CORP.

NBU #390
SECTION 30, T10S, R21E, 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 ON STATE HIGHWAY 88 TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION FROM OURAY APPROXIMATELY 11.5 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING OILFIELD SERVICE ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; PROCEED IN A WESTERLY THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE PROPOSED LOCATION.

COASTAL OIL & GAS CORPORATION

DRILLING PROGRAM

COMPANY NAME	Coastal Oil & Gas Corporation		DATE	August 1, 2001	
WELL NAME	**NBU 390**		TD	7,300' MD/TVD	
FIELD	NBU	COUNTY Uintah	STATE Utah	ELEVATION 5,280' KB	
SURFACE LOCATION	1245' FSL, 800' FEL, SE/SE, SEC. 30, T10S, R21E			BHL	Straight Hole
OBJECTIVE ZONE(S)	Wasatch				
ADDITIONAL INFO	Regulatory Agencies: BLM, Utah, Tri-County Health Dept.				

GEOLOGICAL LOGS	GEOLOGICAL FORMATION TOPS	GEOLOGICAL DEPTH	MECHANICAL HOLE SIZE	MECHANICAL CASING SIZE	MECHANICAL MUD WEIGHT
		(if required) 40'		14"	
			12-1/4"	8-5/8", 24#, K-55	Air
		250' MD/TVD			
	TOC @ 795'				
	Green River @ 995'				
Mud Log @ 2500' - TD Platform Express SC - TD			7-7/8"	4-1/2", 11.6#, K-55, LTC	Air Mist Aerated Water
	Wasatch @ 4,265'				
		7,300' MD/TVD			

COASTAL OIL & GAS CORPORATION

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						2950	1370	263000
SURFACE	8-5/8"	0-250'	24.00	K-55	STC	21.03	11.71	4.70
						5350	4960	180000
PRODUCTION*	4-1/2"	0-TD	11.60	K-55	LTC	2.08	1.31	1.34

1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe - Gas Gradient (0.115 psi/ft))(TVD)

2) MASP (Int Casing) = Pore Pressure at Next Casing Point - (Gas Gradient x TVD of Next Casing Point x 0.67) - (Mud Weight x TVD x 0.052 x 0.33)

3) MASP (Prod Casing) = Pore Pressure - (Gas Gradient x TVD of Production Interval)

(Burst Assumptions: FG @ 8-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing, 50,000 lbs overpull)

CEMENT PROGRAM

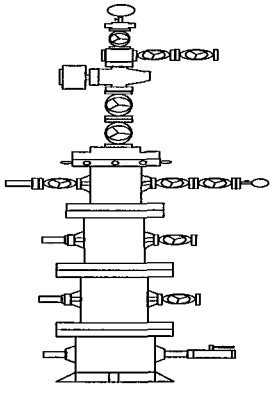
		FT. OF FILL	DESCRIPTION	SACKS	EXCESS*	WEIGHT	YIELD
SURFACE		250	Class G + 2% $CaCl_2$ + 0.25 lb/sk Cello Flake	90	35%	15.80	1.17
PRODUCTION	LEAD	3,765'	Hifill Mod. +16% gel + 3% salt + 10#/sk gilsonite + 1% HR7 + 0.6% Econolite + 0.2% FWCA + 0.25 lb/sk Flocele	410	50%	11.60	3.12
	TAIL	3,535'	50/50 POZ + 2% gel + 2% Microbond + 5% salt + 0.2% Super CBL + 0.6% HALAD 322 + 0.25 #/sk Flocele	970	50%	14.35	1.25

* or 15% over caliper log

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, float collar. Centralize first 3 joints & every other joint to surface with bow spring centralizers. Thread lock FE up to & including pin end of FC.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with turbulator solid blade centralizers.

WELLHEAD EQUIPMENT



TREE	2-1/16" 5M
TUBING HEAD	11" 3M X 7-1/16" 5M
CASING SPOOL	
CASING SPOOL	
CASING HEAD	8-5/8" SOW X 11" 3M

COASTAL OIL & GAS CORPORATION
DRILLING PROGRAM

BIT PROGRAM

ROCK BIT & PDC BIT PROGRAM						
INTERVAL	HOLE	BIT MFG & MODEL	GPM	SERIAL	NZLS	COMMENTS
Surface Hole	12-1/4"	Various				
Surf Csg - TD	7-7/8"	Various	Air/Mist	New	16-16-16	
			Aerated			

GEOLOGICAL DATA

LOGGING:

Depth	Log Type
SC - TD	Platform Express

MUD LOGGER: SC - TD
SAMPLES: As per Geology
CORING: NA
DST: NA

MUD PROGRAM

DEPTH	TYPE	MUD WT	WATER LOSS	VISCOSITY	TREATMENT
0-Trona (0 - +/-2,000')	Air/Mist	NA	NA		Polymer, Gel Gyp, Lime
Trona-TD (+/- 2,000' - TD)	Aerated Water	NA	NC	NA	Polymer, Gyp, Lime

After reaching TD, circulate hole until clean, then make a wiper trip. Report any bridges or fill encountered on trip.
After a successful wiper trip, chain out of the hole to log.
REPORT ALL LOSSES, INCLUDING SEEPAGE

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.
Run Totco survey every 500' from surface casing shoe to TD. Maximum allowable hole angle is 5 degrees.
Treat for corrosion as per plan.

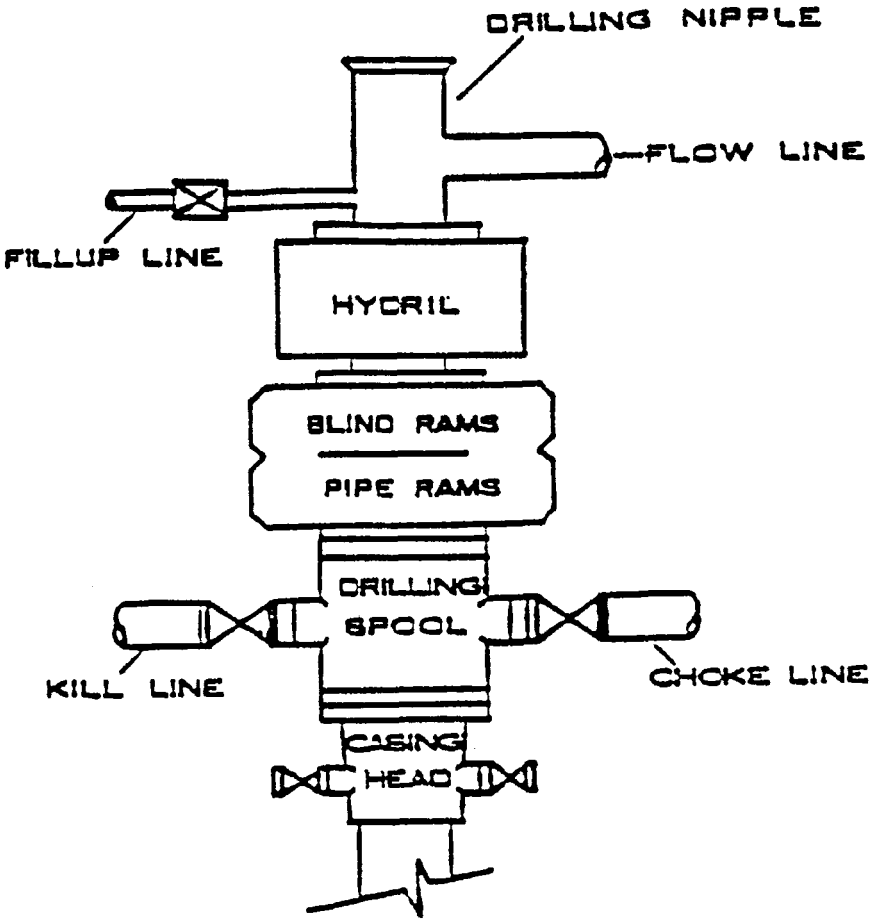
DRILLING ENGINEER: _____ **DATE:** _____
Dan Lindsey

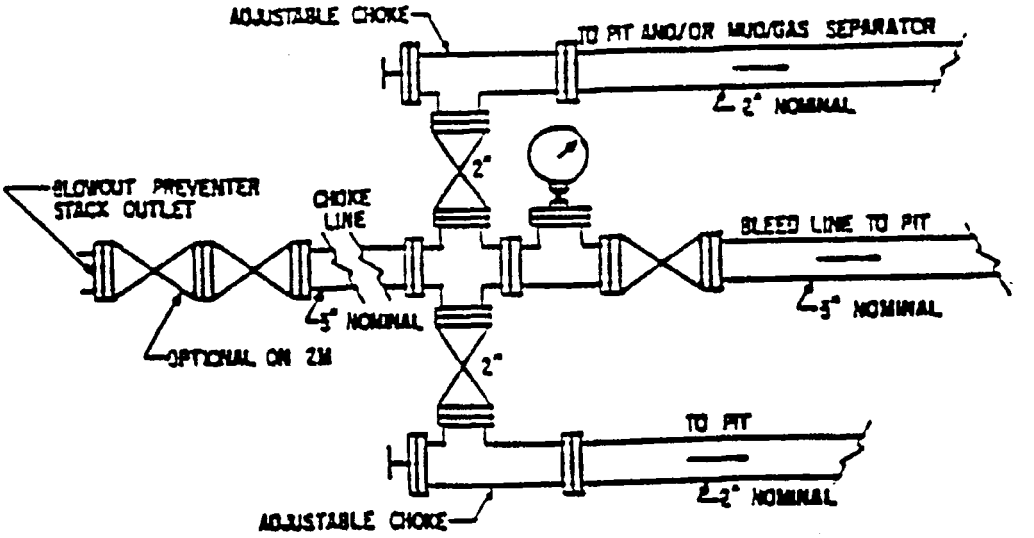
DRILLING SUPERINTENDANT: _____ **DATE:** _____
Larry Strasheim

DRILLING MANAGER: _____ **DATE:** _____
Scott Palmer

3,000 PSI

BOP STACK





NBU #390
SE/SE Sec. 30, T10S-R21E
Uintah County, UT
ML-22793

ONSHORE ORDER NO. 1
EL PASO PRODUCTION COMPANY

DRILLING PROGRAM

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

Formation	Depth
KB	5280'
Green River	995'
Wasatch	4265'
Total Depth	6800'

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

Substance	Formation	Depth
	Green River	995'
Gas	Wasatch	4265'
Water	N/A	
Other Minerals	N/A	

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

The BOP stack will consist of one 11" 3,000 psi annular BOP, one 11" 3,000 psi double ram, and one 11' drilling spool. The lower ram will contain pipe rams, and the upper ram will contain blind rams.

The choke and kill lines and the choke manifold will have a 3,000 psi minimum pressure rating.

The hydrill will be tested to 1,500 psi. The rams, choke manifold, kelly safety valves, drill string safety valves, and inside BOP will be tested to 3,000 psi.

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

Refer to the attached Cement & Casing Program.

5. **Drilling Fluids Program:**

Refer to the attached Mud Program.

6. **Evaluation Program:**

Refer to the attached Logging Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated @ 6800 TD approximately equals 2720 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1224 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

NBU #390
SE/SE Sec. 30, T10S-R21E
Uintah County, UT
ML-22793

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

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

Refer to the attached directions to the proposed location site.

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

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

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

2. **Planned Access Roads:**

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

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

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

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

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

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

Please refer to Topo Map C.

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

The following guidelines will apply if the well is productive.

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

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

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

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Desert Brown, Munsell standard color number 10 YR 6/3.

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

Refer to Topo Map D for the proposed pipeline placement.

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

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

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

No water well is to be drilled on this lease.

6. **Source of Construction Materials:**

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

Any gravel will be obtained from a commercial source.

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

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

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

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

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

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

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

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

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

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

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

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

8. **Ancillary Facilities:**

None are anticipated.

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

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

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

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

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

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

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

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

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

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

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

Location size may change prior to the drilling 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).

10. Plans for Reclamation of the Surface:

Producing Location:

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

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

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

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

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

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

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

Dry Hole/Abandoned Location:

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

irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

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

11. Surface Ownership:

State of Utah
SITLA
675 East 500 South
Salt Lake City, UT 84102-2818

12. Other Information:

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

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

A Class III archaeological survey report for the proposed location is attached.

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

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

Cheryl Cameron
Regulatory Analyst
El Paso Production Company
P.O. Box 1148
Vernal, UT 84078
(435) 781-7023

Scott Palmer
Drilling Manager
El Paso Production Company
9 Greenway Plaza
Houston, TX 77046
(713) 420-4850

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.

El Paso Production Company is considered to be the operator of the subject well. El Paso Production Company agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

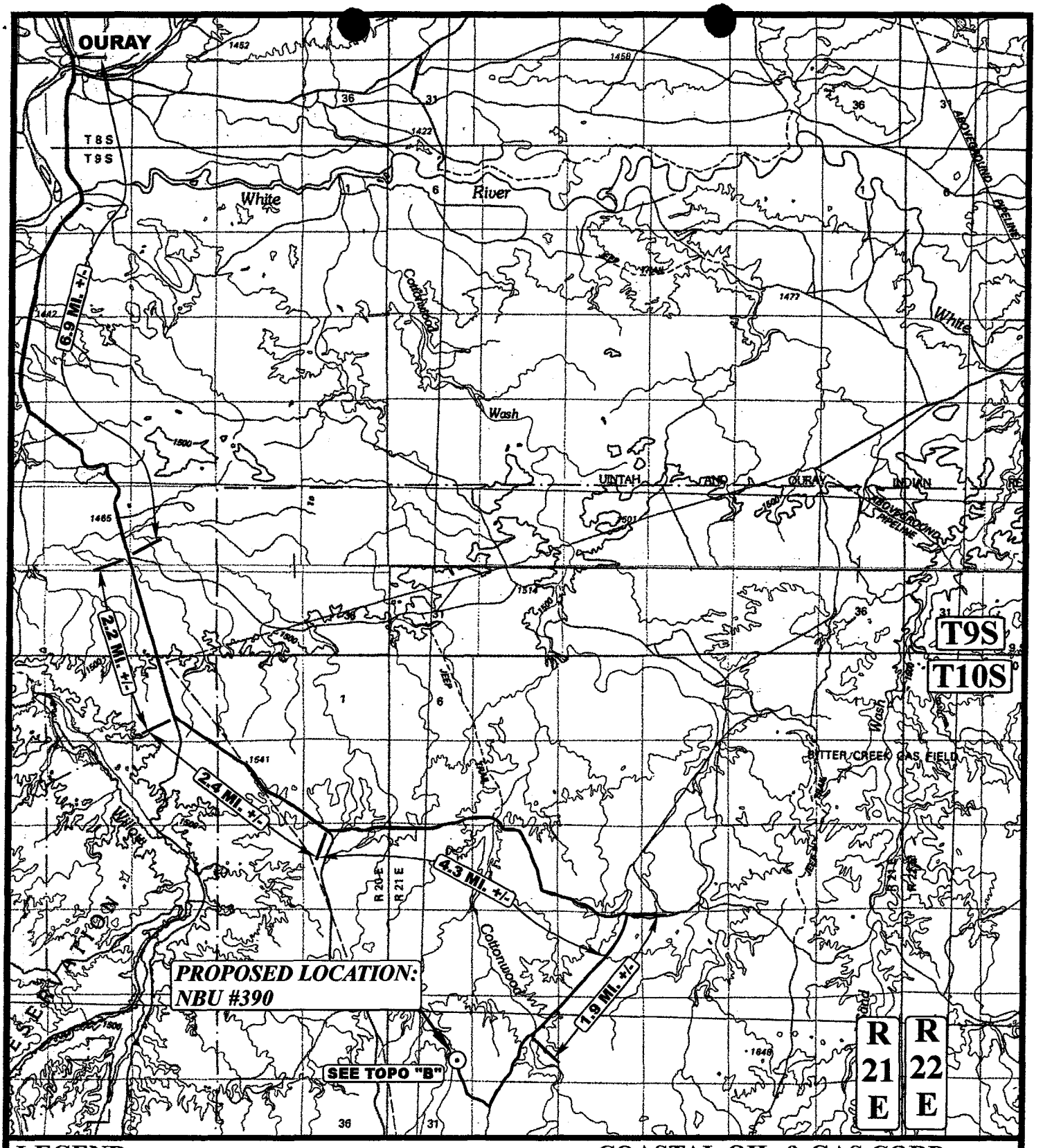
Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by El Paso Production Company Bond No. 400JU0705.

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

Cheryl Cameron

Cheryl Cameron

8/02/01
Date



LEGEND:

⊙ PROPOSED LOCATION

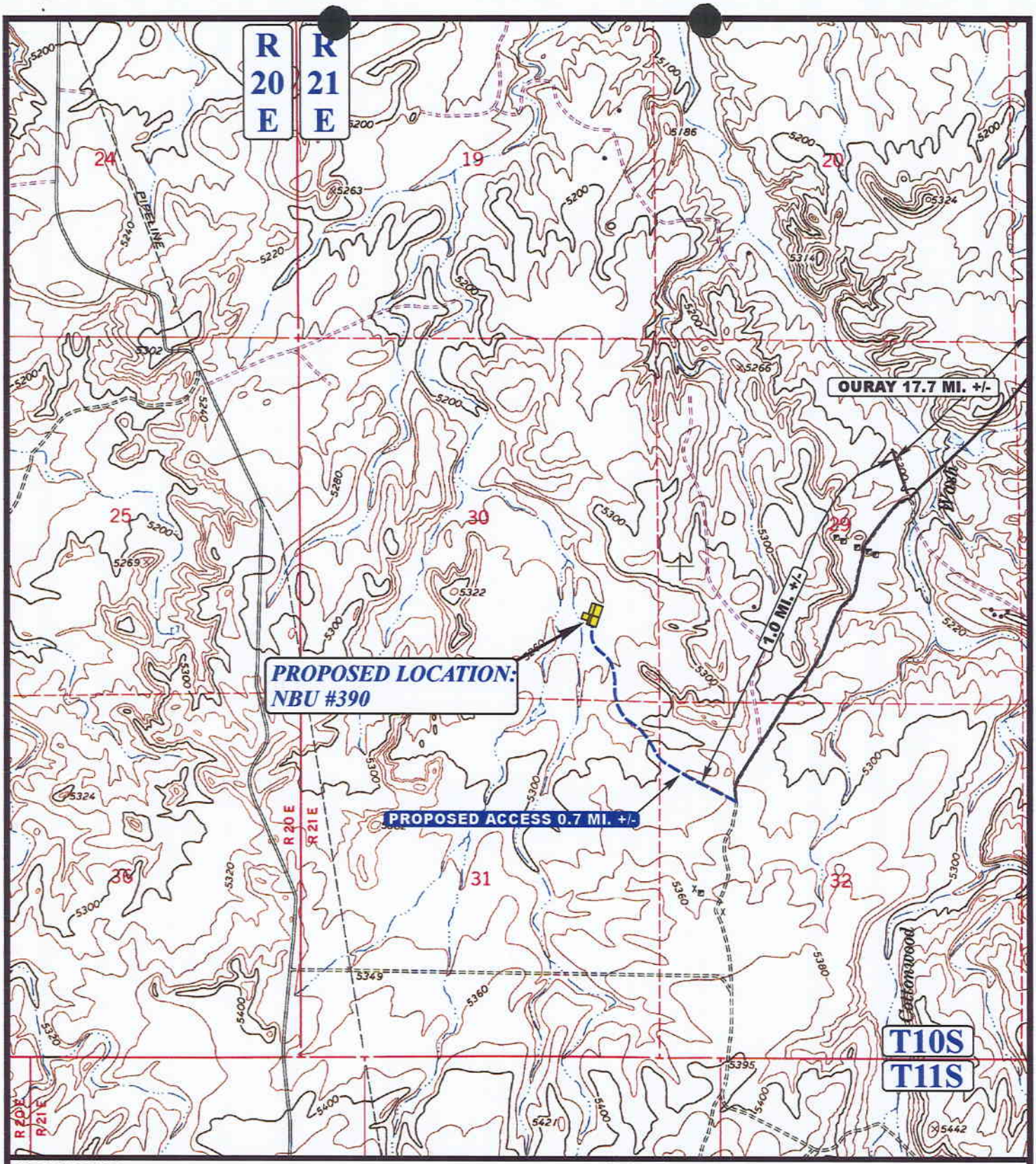
N

COASTAL OIL & GAS CORP.

NBU #390
SECTION 30, T10S, R21E, S.L.B.&M.
1235' FSL 988' FEL

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

TOPOGRAPHIC MAP	2 MONTH	26 DAY	01 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: P.M.	REVISED: 00-00-00		



LEGEND:

PROPOSED ACCESS ROAD

EXISTING ROAD

N

COASTAL OIL & GAS CORP.

NBU #390

SECTION 30, T10S, R21E, S.L.B.&M.

1235' FSL 988' FEL

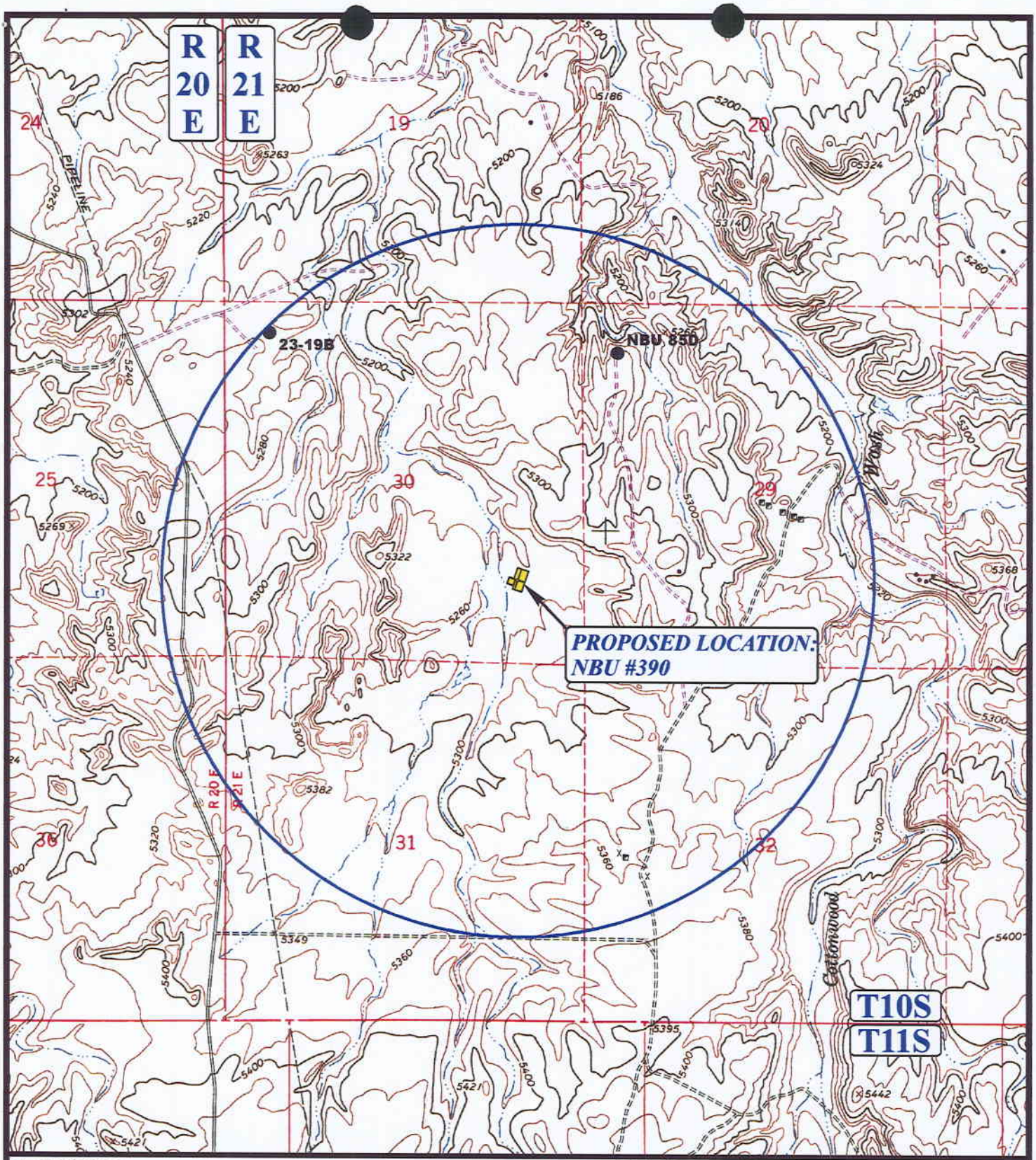
UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	2 MONTH	26 DAY	01 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: P.M.	REVISED: 00-00-00		



LEGEND:

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

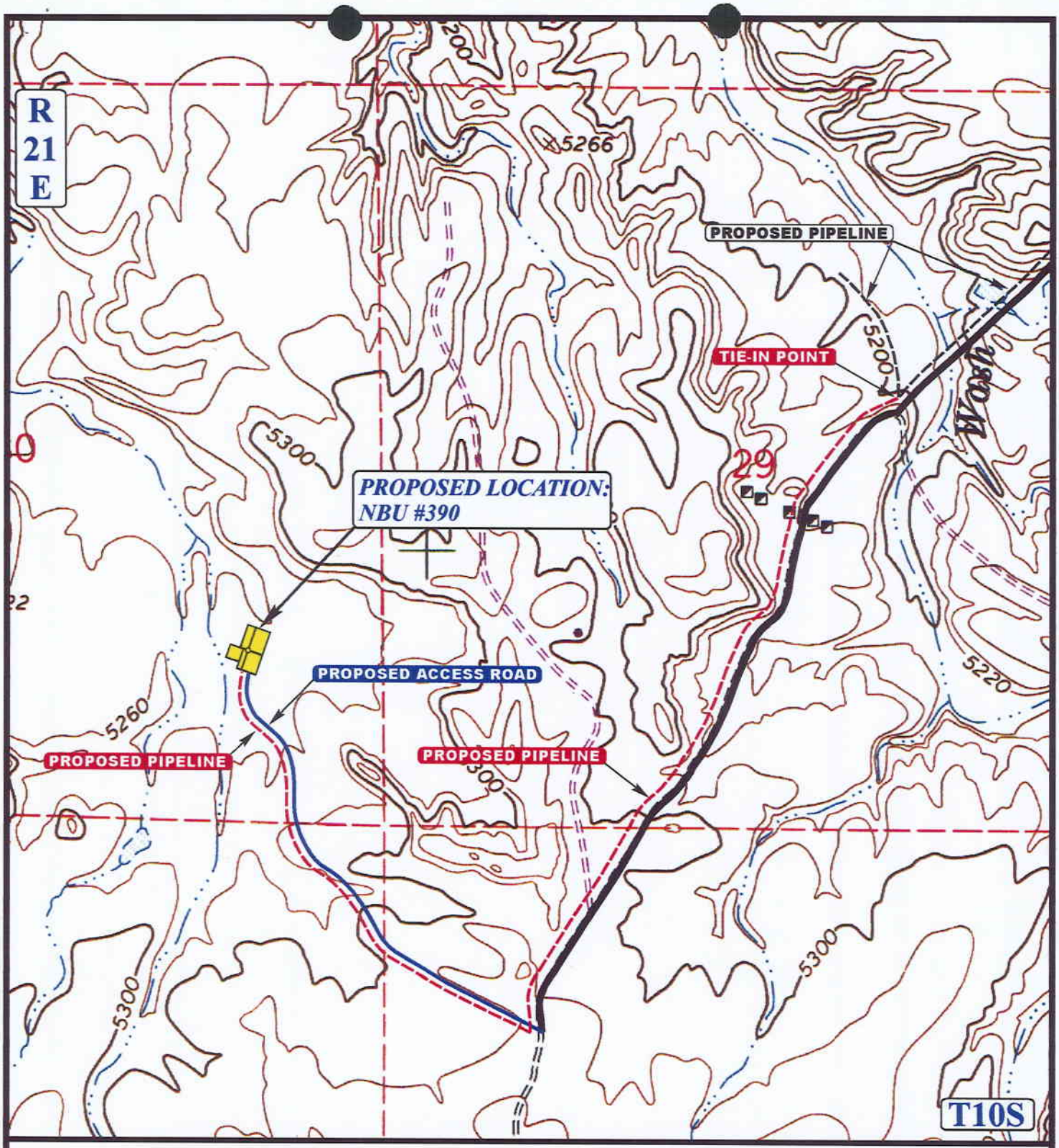
N

COASTAL OIL & GAS CORP.

NBU #390
SECTION 30, T10S, R21E, S.L.B.&M.
1235' FSL 988' FEL

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

TOPOGRAPHIC MAP	2 MONTH	26 DAY	01 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: P.M.	REVISED: 00-00-00		



APPROXIMATE TOTAL PIPELINE DISTANCE = 10,500' +/-

LEGEND:

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS

N

COASTAL OIL & GAS CORP.

NBU #390
SECTION 30, T10S, R21E, S.L.B.&M.
1235' FSL 988' FEL

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

TOPOGRAPHIC MAP	2 MONTH	26 DAY	01 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: P.M.	REVISED: 00-00-00		

COASTAL OIL & GAS CORP.

LOCATION LAYOUT FOR

NBU #390
SECTION 30, T10S, R21E, S.L.B.&M.
1235' FSL 988' FEL

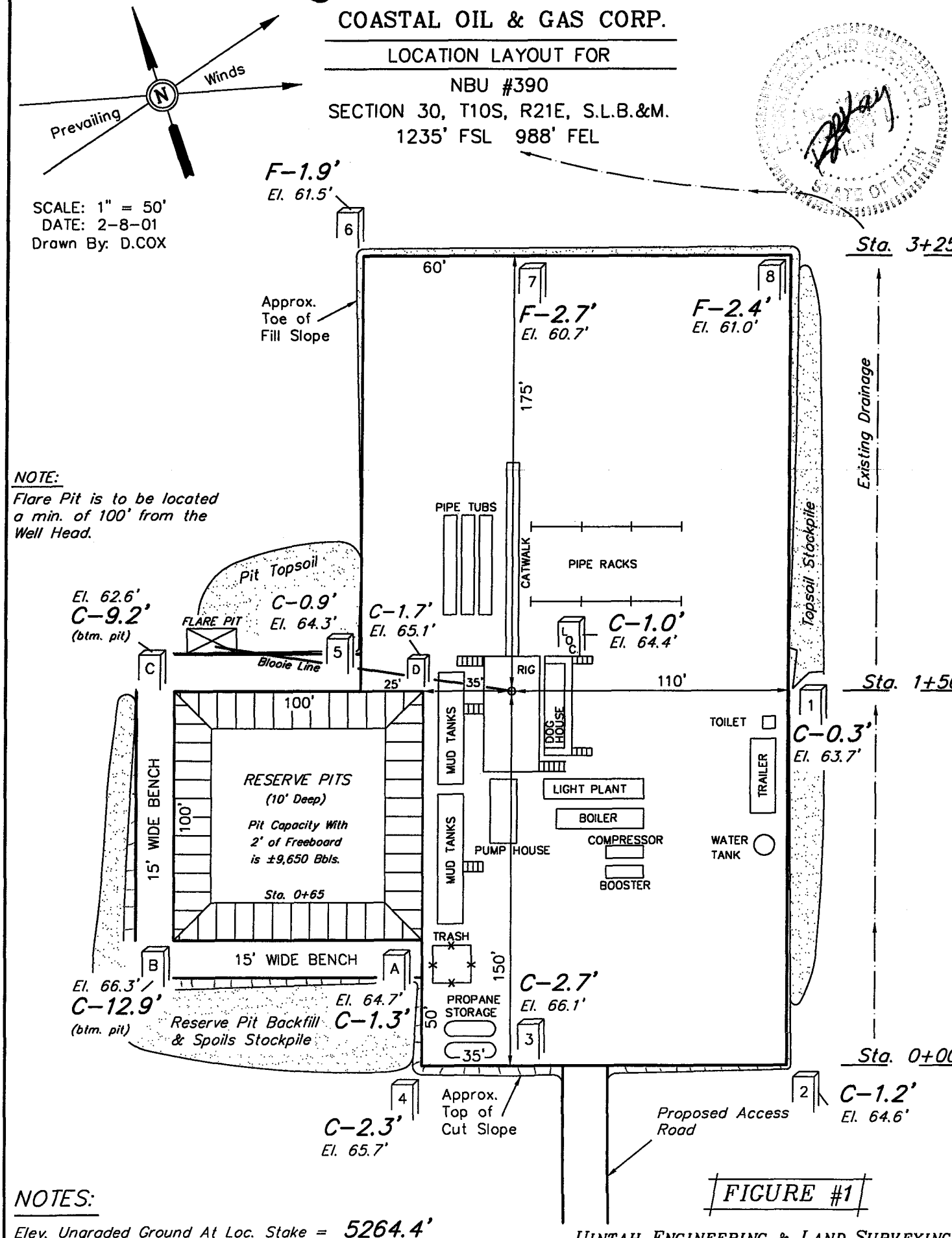


FIGURE #1

NOTES:

Elev. Ungraded Ground At Loc. Stake = 5264.4'
FINISHED GRADE ELEV. AT LOC. STAKE = 5263.4'

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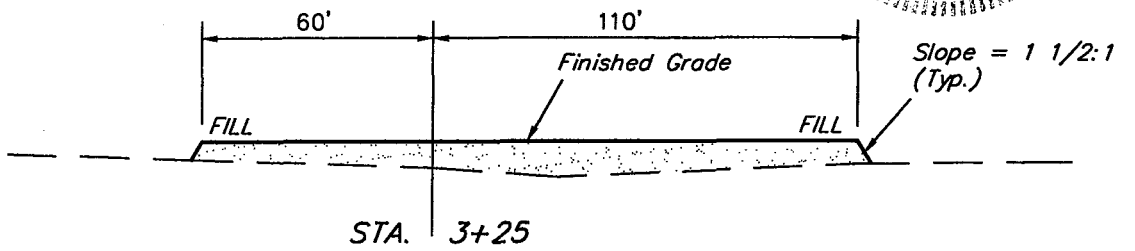
COASTAL OIL & GAS CORP.

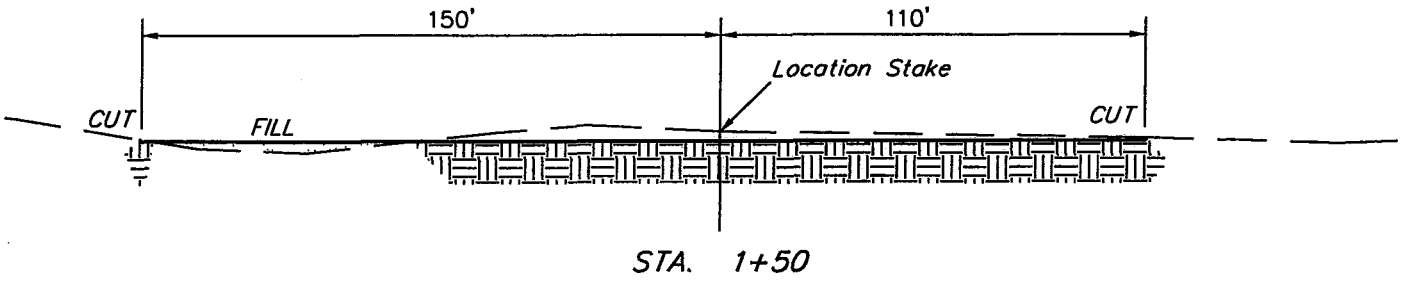
TYPICAL CROSS SECTIONS FOR

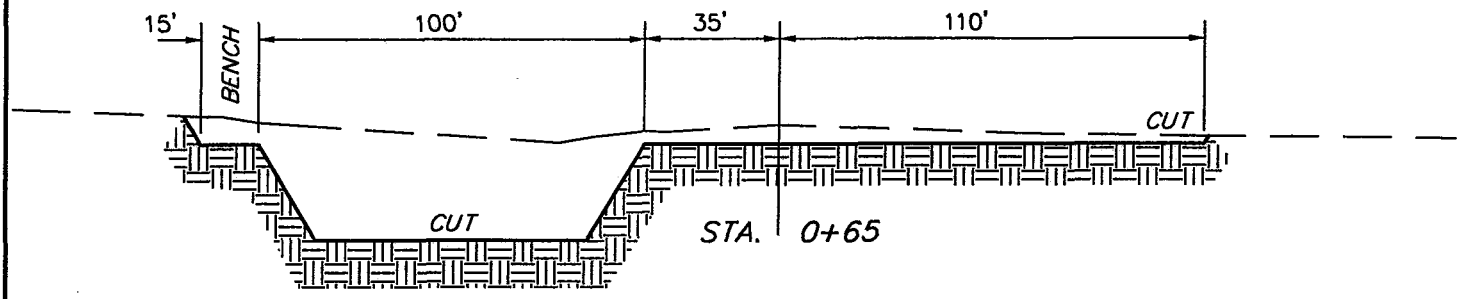
NBU #390
SECTION 30, T10S, R21E, S.L.B.&M.
1235' FSL 988' FEL

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

DATE: 2-8-01
Drawn By: D.COX







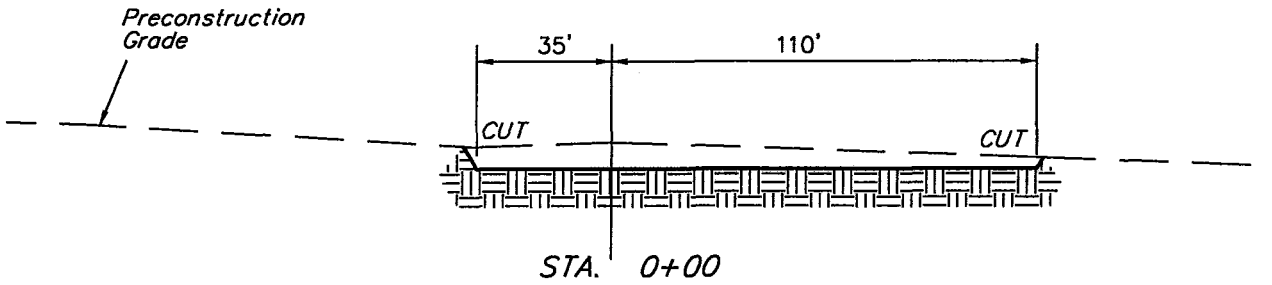


FIGURE #2

APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,220 Cu. Yds.
Remaining Location = 3,620 Cu. Yds.

TOTAL CUT = 4,840 CU.YDS.
FILL = 2,170 CU.YDS.

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

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CULTURAL RESOURCE EVALUATION OF 13 PROPOSED LOCATIONS IN THE SOUTHMAN CANYON FIELD (Units 31-2, 31-3, 31-4), THE CIGE FIELD (Units 259, 260, 261, 262, 264) & IN THE NBU FIELD (Units 377, 378, 380, 388, 390) IN THE SEEP RIDGE ROAD/WHITE RIVER LOCALITIES OF UINTAH COUNTY, UTAH

Report Prepared for El Paso Production Company

Department of Interior Permit No.: Ut-54937

AERC Project 1694 (COG01-09)

Utah State Permit No.: Ut01AF0115b

Author of Report: F. Richard Hauck, Ph.D.

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E-mail: ari@xmission.com Web page: www.ari-aerc.org

April 16, 2001

ABSTRACT

An intensive cultural resource evaluation has been conducted for El Paso Production Company (Coastal Oil & Gas Corporation) of 13 proposed well locations in the Southman Canyon Field (Units 31-2, 31-3, 31-4), the CIGE Field (Units 259, 260, 261, 262, 264) and in the NBU Field (Units 377, 378, 380, 388, 390) and their respective access/pipeline corridors in Uintah County, Utah. About 194 acres (130 acres associated with well pads, 64 acres associated with 5.25 miles of access/pipeline corridors) were examined by AERC archaeologists during evaluations conducted between March 22 and April 11, 2001.

No previously recorded cultural resources will be adversely affected by the proposed development. Known cultural sites situated in the general region are not endangered by direct adverse effect relative to these developments because of their distance from the present project areas.

No paleontological loci were observed.

No newly identified cultural resource sites or isolated diagnostic artifacts were recorded during the examination.

AERC recommends project clearance based upon adherence to the stipulations noted in the final section of this report.

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GENERAL INFORMATION

The El Paso Production Company (Coastal Oil & Gas Corporation) 2001 development program involves the construction of 13 proposed well locations in the Southman Canyon Field (Units 31-2, 31-3, 31-4), the CIGE Field (Units 259, 260, 261, 262, 264) and in the NBU Field (Units 377, 378, 380, 388, 390) and their respective access/pipeline corridors in the Seep Ridge Road/White River localities of Uintah County, Utah. About 194 acres of proposed well pad locations and associated access/pipeline corridors were examined by AERC archaeologists during evaluations conducted between March 22 and April 11, 2001. The project area is on public lands administrated by the Vernal Office of the Bureau of Land Management in Vernal, Utah. The inventory was conducted under Department of Interior Permit No. 54937 which expires on January 31, 2002. Utah State Project No.: Ut-01-AF-0115b.

The purpose of the field study and this report is to identify and document cultural site presence and to determine cultural resource National Register eligibility relative to established criteria (cf., 36 CFR 60.6). Federal regulations require an environmental assessment of the potential development area. One aspect of such an assessment involves a Class I (records search) and Class III (intensive survey) archaeological evaluation of the development area. Such investigations are accomplished in compliance with the Antiquities Act of 1906, the Historic Sites Act of 1935, Section 106 of the National Historic Preservation Act of 1966, as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1976, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

To accomplish this investigation, a total of 194 acres was examined by the archaeologists.

All field notes and report information concerning this project are filed at the AERC office in Bountiful, Utah.

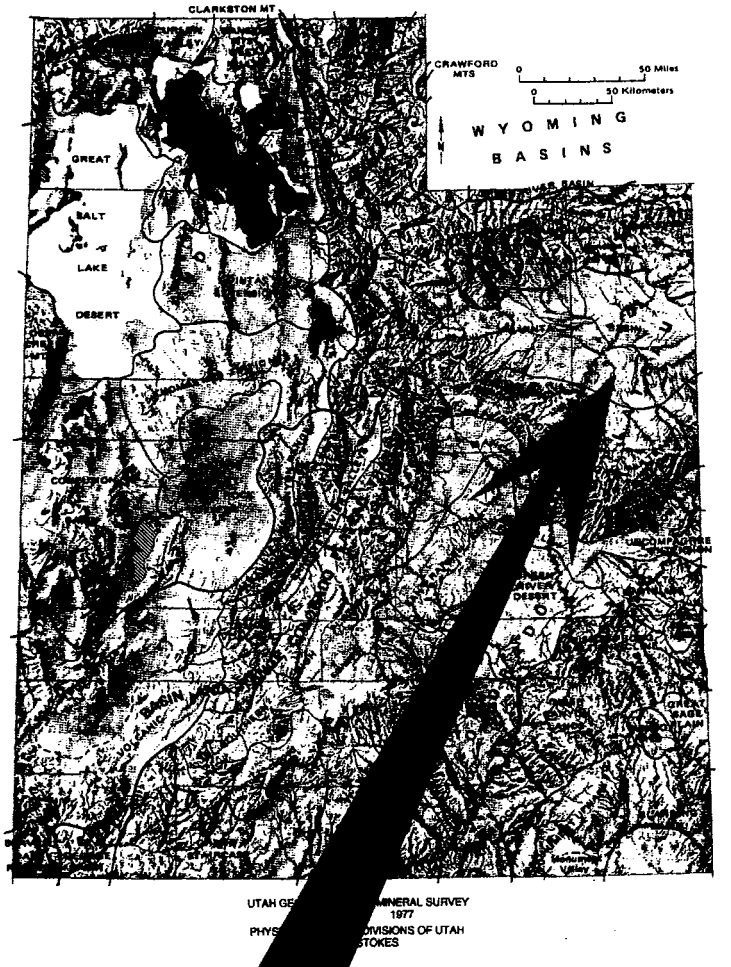
Project Location

The project area is to the south and southwest of Vernal, Utah. The 13 proposed well developments are located in the White River locality and in the Seep Ridge Road/Sand Wash locality and are identifiable on the Asphalt Wash and Big Pack Mountain NE topographic quads. Locations of each proposed well pad are as follows:

Southman Canyon Unit No. 31-2: This location is situated in the NW quarter of the NW quarter of Section 31, Township 9 South, Range 23 East as shown on Map 2. The well pad is accessed by a .3 mile-long corridor that extends to the east from an existing road through the NE quarter of Section 36, Township 9 South, Range 22 East.

MAP 1
GENERAL PROJECT AREA IN UINTAH COUNTY, UTAH

PROJECT: COG01-09
SCALE: 1: 200,650
DATE: 4/14/01



PROJECT AREA

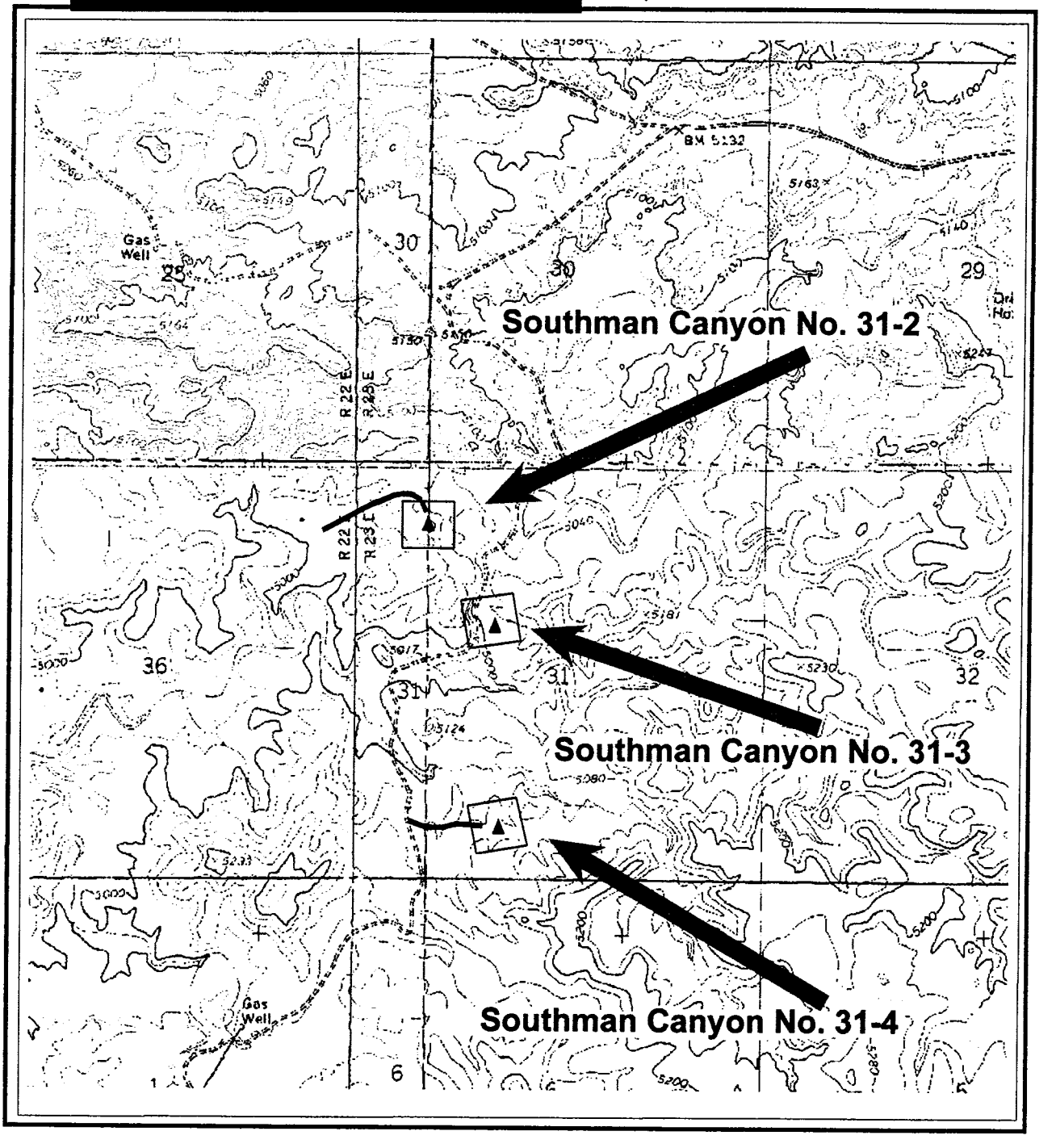
TOWNSHIP: multiple
RANGE: multiple
MERIDIAN: multiple

Utah Geological and Mineral Survey
Map 43 1977

Physiographic Subdivisions of Utah
by W.L. Stokes

[redacted]

PROJECT: COG01-09
SCALE: 1:24,000
QUAD: Asphalt Wash
DATE: April 14, 2001



UTAH

TOWNSHIP: 9 South
RANGE: 23 East
MERIDIAN: Salt Lake B. & M.

LEGEND

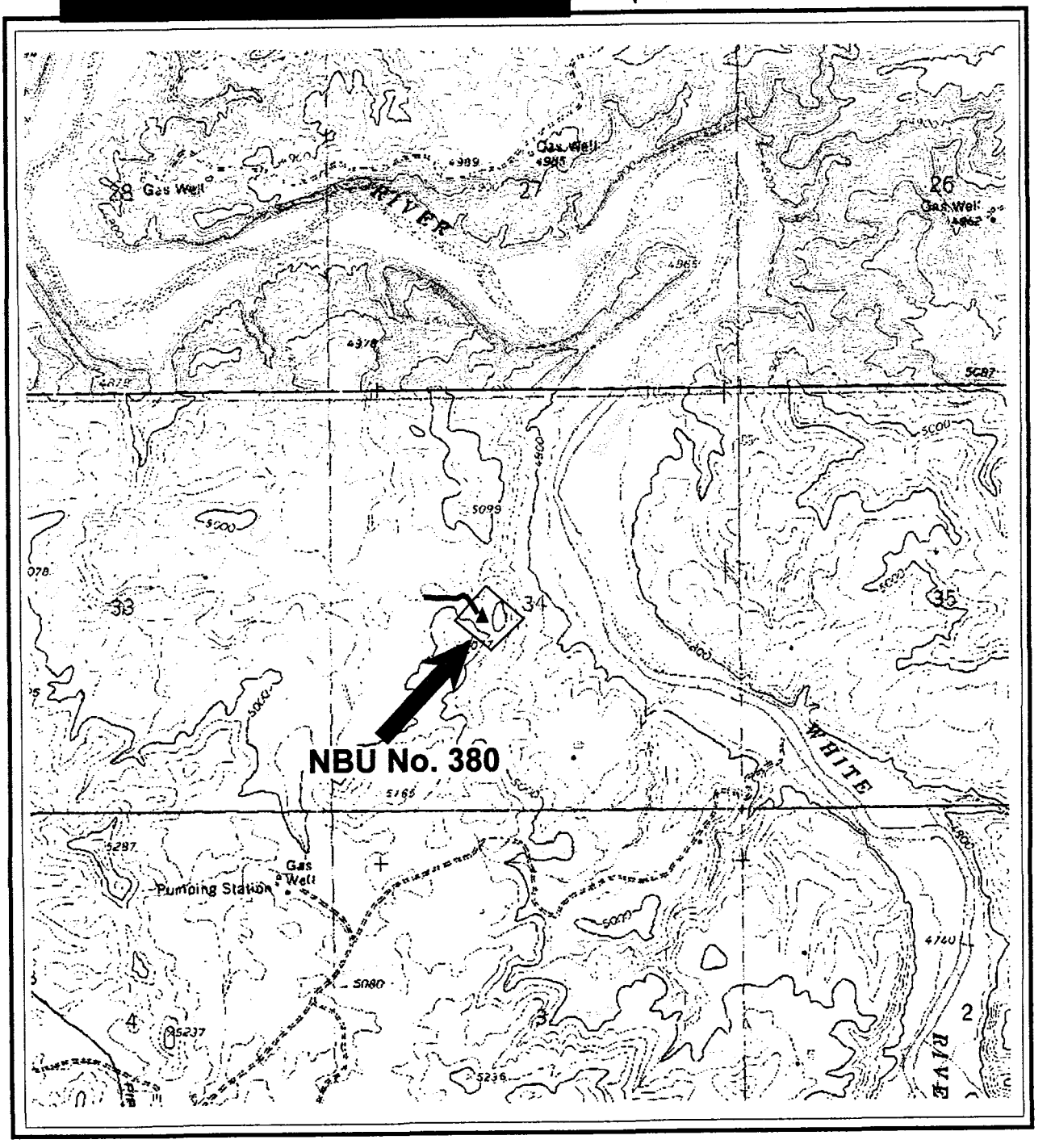
▲ Well Location

Survey Area

Access Route

[redacted]

PROJECT: COG01-09
SCALE: 1:24,000
QUAD: Archy Bench
DATE: April 14, 2001



TOWNSHIP: 9 South
RANGE: 22 East
MERIDIAN: Salt Lake B. & M.

UTAH

LEGEND

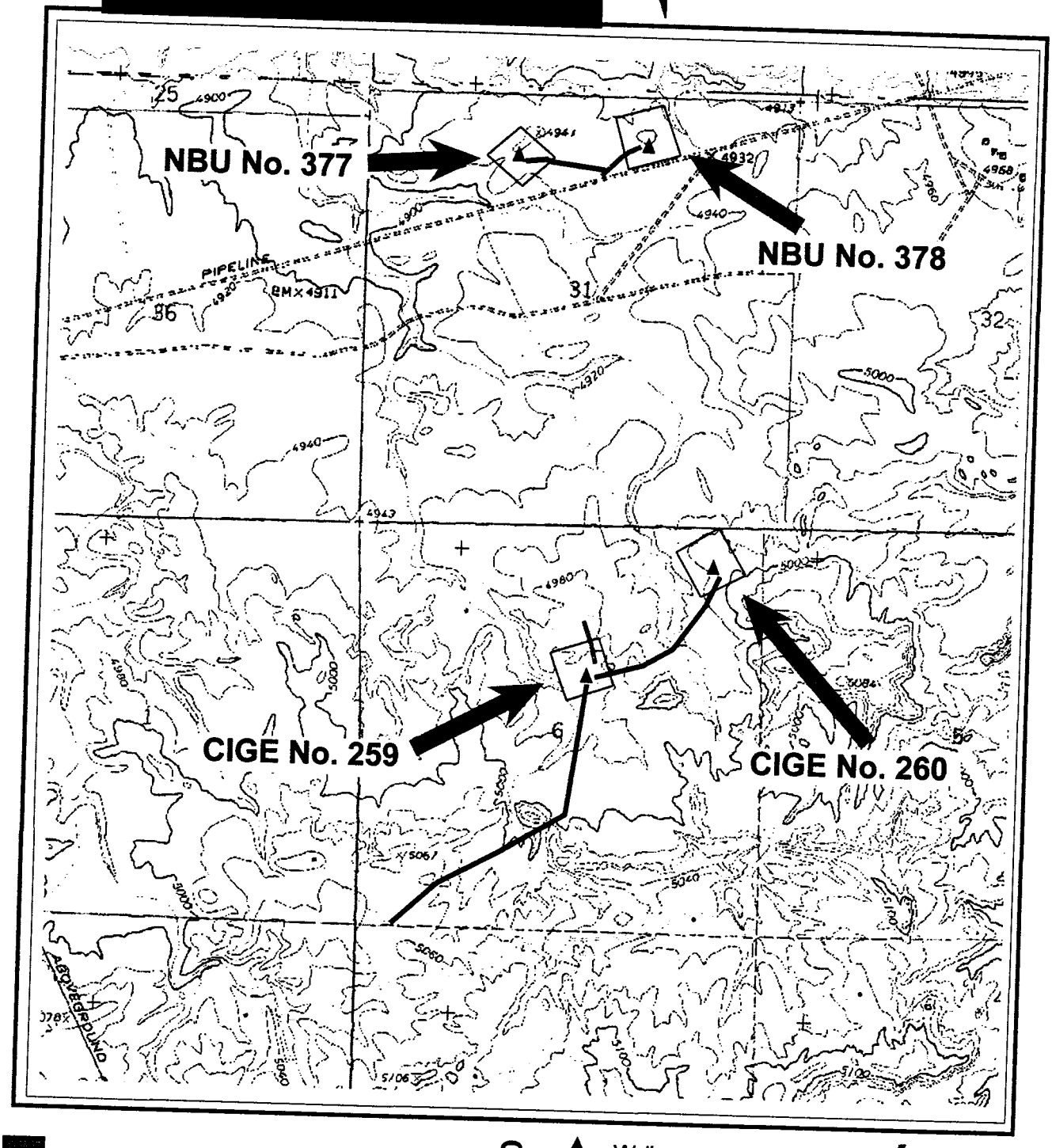
▲ Well Location

Survey Area

Access Route

[redacted]

PROJECT: COG01-09
SCALE: 1:24,000
QUAD: Big Pack Mtn. NE
DATE: April 14, 2001



TOWNSHIP: 9 &10 South
RANGE: 21 East
MERIDIAN: Salt Lake B. & M.

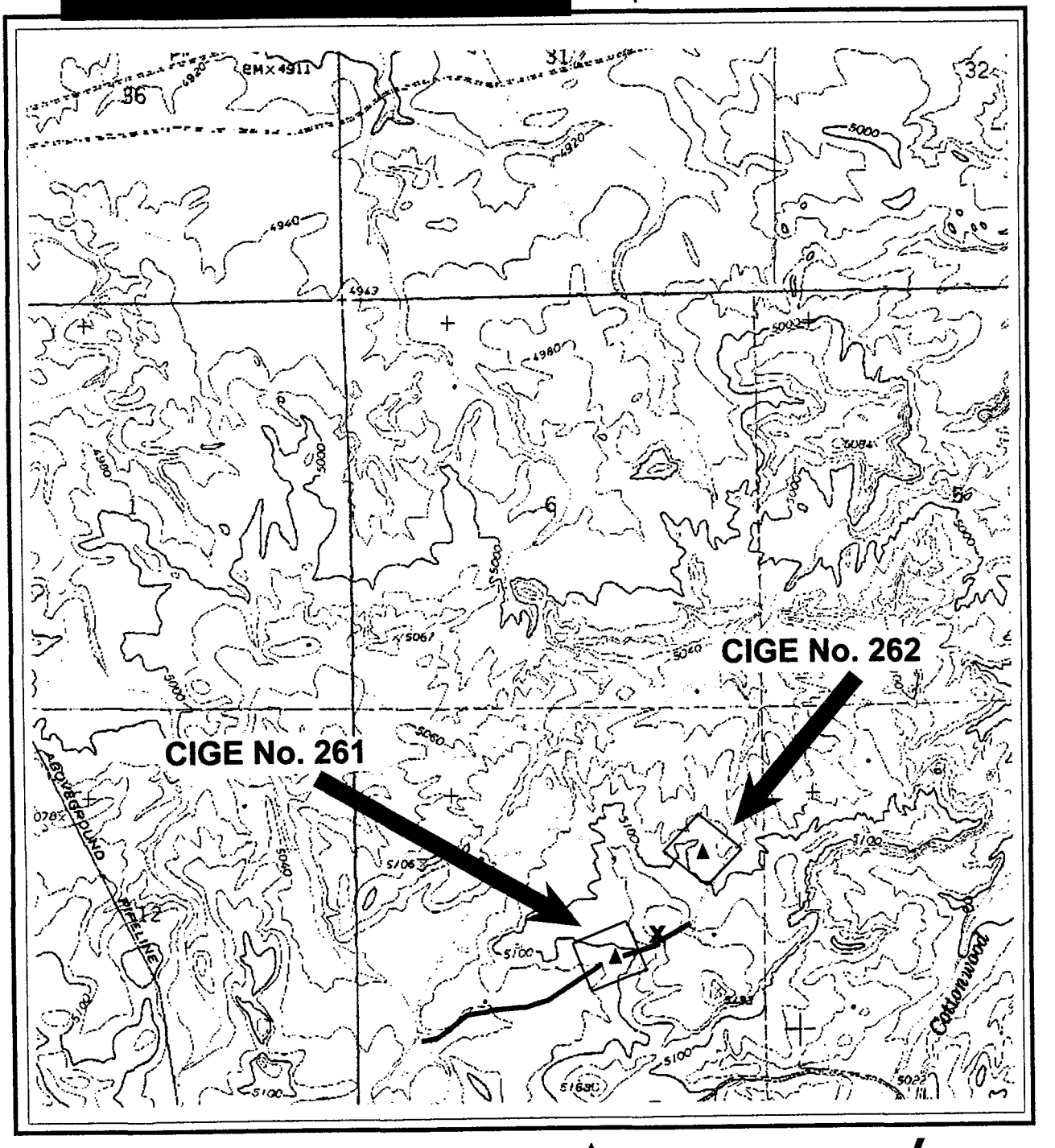
UTAH

LEGEND

- Well Location
- Survey Area
- Combined Access Route & Pipeline Corridor
- Access Route
- Pipeline Corridor

[redacted]

PROJECT: COG01-09
SCALE: 1:24,000
QUAD: Big Pack Mtn. NE
DATE: April 14, 2001



TOWNSHIP: 10 South
RANGE: 21 East
MERIDIAN: Salt Lake B. & M.

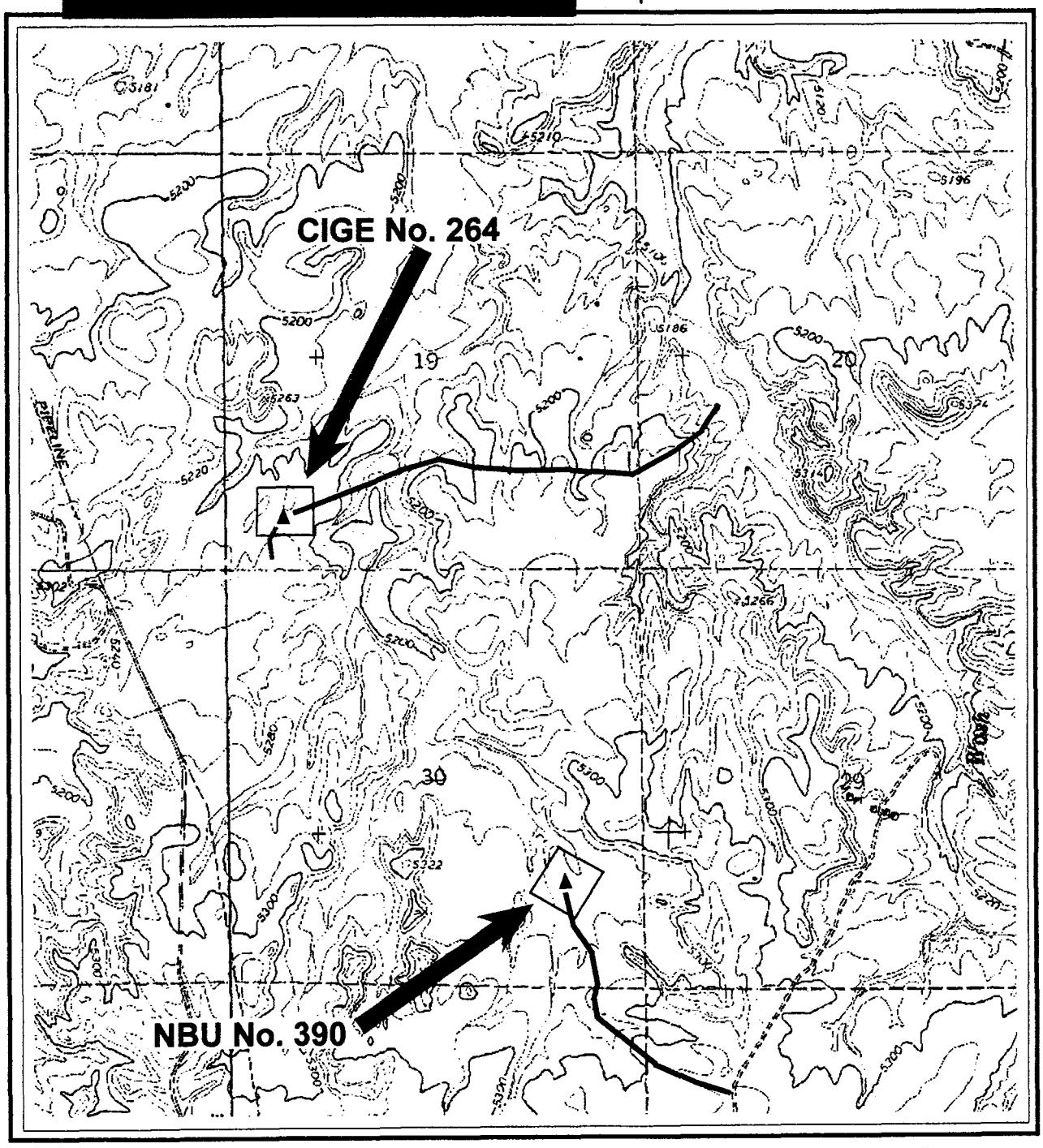
UTAH

LEGEND

- ▲ Well Location
- ☐ Survey Area
- x Isolated Artifact
- / Access Route
- / Pipeline Corridor

[redacted]

PROJECT: COG01-09
SCALE: 1:24,000
QUAD: Big Pack Mtn. NE
DATE: April 14, 2001



[redacted]
UTAH

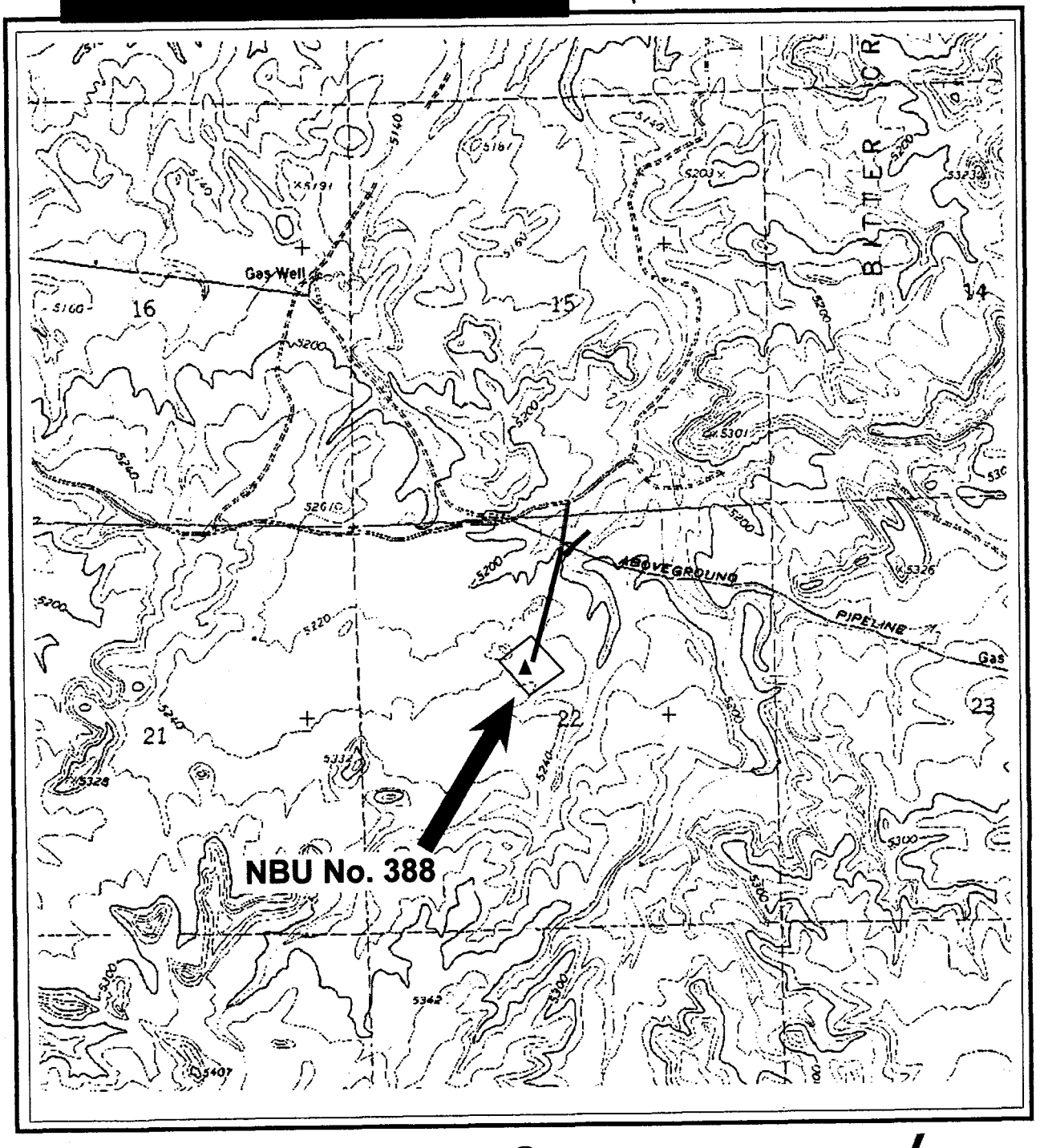
TOWNSHIP: 10 South
RANGE: 21 East
MERIDIAN: Salt Lake B. & M.

LEGEND

- ▲ Well Location
- Survey Area
- Combined Access Route & Pipeline Corridor
- Access Route
- Pipeline Corridor

[redacted]

PROJECT: COG01-09
SCALE: 1:24,000
QUAD: Big Pack Mtn. NE
DATE: April 14, 2001



[redacted]
UTAH

TOWNSHIP: 10 South
RANGE: 21 East
MERIDIAN: Salt Lake B. & M.

LEGEND

- ▲ Well Location
- Survey Area
- Combined Access Route & Pipeline Corridor
- Access Route
- Pipeline Corridor

Southman Canyon Unit No. 31-3: This location is situated in the SE quarter of the NW quarter of Section 31, Township 9 South, Range 23 East as shown on Map 2. The well pad is immediately accessed from an existing road.

Southman Canyon Unit No. 31-4: This location is situated in the SE quarter of the SW quarter of Section 31, Township 9 South, Range 23 East as shown on Map 2. The well pad is accessed by a .2 mile-long corridor that extends to the east from an existing road through the SW quarter of the section.

CIGE Unit No. 259: This location is situated in the SW quarter of the NE quarter of Section 6, Township 10 South, Range 21 East as shown on Map 4. A short access route links the pad with the existing road system. A .85 mile-long pipeline corridor extends to the south and southwest from the location to terminate in the SE corner of the section.

CIGE Unit No. 260: This location is situated in the NE quarter of the NE quarter of Section 6, Township 10 South, Range 21 East as shown on Map 4. The pad is adjacent to the existing road system. A .56 mile-long pipeline corridor extends to the south and southwest from the location to terminate at CIGE Unit No. 259.

CIGE Unit No. 261: This location is situated in the NW quarter of the SE quarter of Section 7, Township 10 South, Range 21 East as shown on Map 5. The pad is linked with the existing road system by a .5 mile-long access route that extends to the southwest from the location. A short pipeline corridor extends to the northeast from the location to terminate at an existing roadway.

CIGE Unit No. 262: This location is situated in the SE quarter of the NE quarter of Section 7, Township 10 South, Range 21 East as shown on Map 5. The pad is adjacent to the existing road system

CIGE Unit No. 264: This location is situated in the SW quarter of the SW quarter of Section 19, Township 10 South, Range 21 East as shown on Map 6. The pad is linked with the existing road system by a short access route that extends to the south from the location. A 1.14 mile-long pipeline corridor extends to the east and northeast from the location to terminate at an existing pipeline in the SW quarter of adjacent Section 20.

NBU Unit No. 377: This location is situated in the NE quarter of the NW quarter of Section 31, Township 9 South, Range 21 East as shown on Map 4. A .short access/pipeline corridor links the pad with the existing road system.

NBU Unit No. 378: This location is situated in the NW quarter of the NE quarter of Section 31, Township 9 South, Range 21 East as shown on Map 4. A .short access corridor links the pad with the existing road system.

NBU Unit No. 380: This location is situated in the NE quarter of the SW quarter of Section 34, Township 9 South, Range 22 East as shown on Map 3. A .short access route links the pad with the existing road system; the pipeline will link with an existing pipeline in the ten acre survey area.

NBU Unit No. 388: This location is situated in the SE quarter of the NW quarter of Section 22, Township 10 South, Range 21 East as shown on Map 7. A 1700 foot-long access/pipeline corridor links the pad with the existing road system.

NBU Unit No. 390: This location is situated in the SE quarter of the SE quarter of Section 30, Township 10 South, Range 21 East as shown on Map 6. A combined .75 mile-long access/pipeline corridor links the pad with the existing road system to the southeast of the location in adjacent Section 31 after passing through the northeast corner of adjacent Section 31.

Environment

The approximate elevations for the proposed project area as described above range from 4900 to 5300 feet above sea level. Ephemeral drainages in the project area are associated with tributaries that drain into the White River.

The vegetation of the project locality is primarily associated with the sage rangeland environment. Vegetation species commonly found in this general area include *Artemisia tridentata, Chrysothamnus nauseosus, Atriplex spp., Sarcobatus vermiculatus, Opuntia polyacantha, Ephedra spp.* and various grasses including *Hordeum jubatum* and *Bromus tectorum*. Surrounding vegetation consists of *Artemisia tridentata* and *Ephedra spp.*

The project area is situated in the Colorado Plateau physiographic province.

File Search

Records searches were conducted Vernal District Area office on March 22, 2001 and at the Antiquities Section in Salt Lake City on March 19, 2001. Earlier projects conducted in this specific project locality include the following: 79-UA-205, 80-PA-480, 81-GC-500, 82-UB-597, 82-GC-571, 82-GC-572, 83-CE-499., 91-GB-417, 91-MM-055, 91-MM-478, 94-GB-223, 94-MM-590, 94-MM-222, 97-AY-751,

Other archaeological consultants in addition to AERC and the local BLM archaeologists that have worked in the project area include personnel from Montgomery Archaeological Consultants, Alpine Archaeological Consultants, Nickens and Associates, Brigham Young University, and Grand River Institute.

Previous evaluations and area inventories indicate the occupation of the general cultural region has included diverse prehistoric and historic occupations (ranging from Paleoindian

through late prehistoric Shoshonean and historic Ute/Euro-American). For a comprehensive treatment of the prehistory and history of this general cultural area see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991)

The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed development.

STUDY OBJECTIVES AND EXPECTED RESULTS

The purpose of this evaluation was to identify, evaluate, and record any cultural resources encountered within the proposed Coastal Oil & Gas pipeline development area; to determine the significance of identified resources; and to recommend appropriate mitigation measures relative to the preservation of resources found to be endangered by the project.

These objectives were accomplished by seeking surface indications of cultural resource presence. Cultural resource sites would be identified by the presence of three or more associated artifacts and/or features that demonstrate the presence of patterned human activity and then recorded on the appropriate IMACS forms.

The previous identification of prehistoric and historic cultural resources in the general area indicated a possibility that additional resources could be discovered during these evaluations.

No constraints, e.g., snow cover, dense vegetation, difficult weather, were imposed on the evaluation of this pipeline corridor; all of the snow-cover in the project area had melted when the project was completed.

Site Potential in the Project Development Zone

Previous archaeological evaluations in this general region have resulted in the identification and recording of limited archaeological resources in this locality. Such prehistoric sites as have been recorded demonstrate a definitive selection of environmental community and water resource.

FIELD EVALUATIONS

Methodology

To accomplish an intensive evaluation of the 13 well locations and access/pipeline corridors as shown on the maps, the archaeologists examined ten acre parcels surrounding each well center and 30 meter-wide pipeline/access corridors. All together, a 100% pedestrian survey was conducted of about 194 acres.

When cultural materials are discovered, the archaeologist conducts a careful search of the vicinity to locate and evaluate features, artifact types and concentrations, site spatial associations, and temporal identifications. Sites and isolates are then recorded on the appropriate forms, locations sketched, perimeters marked on a topographic map, and photographs taken. Copies of these reports are provided to the appropriate State and Federal offices as attachments to the final report.

In certain instances, the cultural sites are then evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. [GSSI] of North Salem, New Hampshire). GPR was not used during this project.

Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

Site Significance Criteria

The various criteria relative to establishing the eligibility of prehistoric and historic cultural sites preparatory to their potential nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

> *The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:*
> *a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
> *b. that are associated with the lives of persons significant in our past; or*
> *c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
> *d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it still retains its integrity and can contribute to our current state of knowledge concerning chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory

During the survey of the various well locations and access corridors referenced in this report, no newly identified cultural resources were encountered and recorded as sites. One isolated non-diagnostic artifact was observed but not recorded or collected. That artifact consists of a dart point midsection manufactured from pink/white chert.

No previously recorded cultural resources will be adversely affected by the proposed development. Other known cultural sites situated in the general region are not endangered by direct adverse effect relative to these developments because of their distance from the present project areas.

No paleontological loci were observed.

No newly identified cultural resource sites were recorded during the examination.

CONCLUSION AND RECOMMENDATIONS

AERC recommends that a cultural resource clearance be granted to Coastal Oil & Gas Corporation relative to the development of 13 proposed well locations in the Southman Canyon Field (Units 31-2, 31-3, 31-4), the CIGE Field (Units 259, 260, 261, 262, 264) and in the NBU Field (Units 377, 378, 380, 388, 390) and their respective access/pipeline corridors as referenced in this report based upon adherence to the following stipulations:

1. All vehicle traffic, personnel movement, and construction should be confined to the flagged pipeline corridor as referenced in this report, or to existing routes;

2. All personnel should refrain from collecting artifacts or from disturbing any cultural resources in the area; and

3. The principal authority should be consulted should cultural remains from subsurface deposits be exposed during exploratory and developmental work or if the need arises to relocate or otherwise alter the development area; and

F. Richard Hauck, Ph.D.
President and Principal
Investigator

BIBLIOGRAPHY

Conner, Carl

1994 Cultural Resources Inventory Report on Fifteen Proposed Well Locations and Related Accesses in the Southman Canyon Gas Field Uintah County, Utah. Grand River Institute, Grand Junction.

Cook, Clayton

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Hauck, F. Richard

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U.S.
Department of the Interior
Bureau of Land Management
Utah State Office
(AERC FORMAT)
Summary Report of
Inspection for Cultural Resources

Project
Authorization No **UT-01[illegible]F-0117b**

Report Acceptable Yes __ No __
Mitigation Acceptable Yes __ No __
Comments:_____

Cultural Resource Evaluation of 13 proposed well locations in the Southman Canyon Field (Units 31-2, 31-3, 31-4), the CIGE Field (Units 259, 260, 261, 262, 264) and in the NBU Field (Units 377, 378, 380, 388, 390) and their respective access/pipeline corridors

1. Report Title . . . . . .
2. Development Company ____ ***El Paso Production Company (Coastal Oil & Gas Corporation)***_____
3. Report Date . . ***.04/16/01***. . . . 4. Antiquities Permit No. ____ ***UT-01-54937***_____
5. Responsible Institution . . ***.AERC COG01-09*** . . . . . . County _____ ***Uintah***_____
6. Fieldwork Location: ***TWN . .9 S . RNG . . 23 E. Section 36, TWN . .9 S . RNG . . 23 E. Section 31, TWN . .9 S . RNG . . 22 E. Section 34, TWN . .9 S . RNG . . 21 E. Section 31, TWN . 10 S . RNG . . 21 E. Sections 6 , 7, 19, 22, 30, 31, 32,***
7. Resource Area ***BC.***
8. Description of Examination Procedures: ***The archeologists, F.R. Hauck, Matt Boyten, Lolita Nikolova & Mary Martin intensively examined the 13 well pads (10 acre parcels) and the access routes (100 feet-wide) by walking a series of 15 to 20 meter-wide transects.***
9. Linear Miles Surveyed
and/or
Definable Acres Surveyed . . . . . .
and/or
Legally Undefinable
Acres Surveyed ***194***

10. Inventory Type ***.I.***

R = Reconnaissance
I = Intensive
S = Statistical Sample

11. Description of Findings: ***No cultural resource loci observed or recorded.***
12. Number Sites Found ***.0.*** . (No sites = 0)
13. Collection: ***.N.*** (Y = Yes, N = No)
14. Actual/Potential National Register Properties Affected:

The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: *Utah SHPO 03-19-01, Vernal BLM 03-22-01*

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Coastal Oil & Gas Corporation for this proposed development based on the following stipulations:

1. ***All vehicular traffic, personnel movement, construction and restoration operations should be confined to the existing corridor.***
2. ***All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.***
3. ***The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the development.***

17. Signature of Administrator & Field Supervisor:

Administrator:

Field
Supervisor: F R Hauck

UT 8100-3 (2/85)

ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH CORPORATION

3005 Cave Hollow Way, Suite A – Bountiful, Utah 84010
P. O. Box 853, Bountiful, Utah 84011

Phone : (801) 292-7061 – Fax: (801) 292-9668
Email: ari@xmission.com – Web Page: ari-aerc.org

April 23, 2001

Subject: ***Addendum A to:*** **CULTURAL RESOURCE EVALUATIONS OF 13 PROPOSED LOCATIONS IN THE SOUTHMAN CANYON FIELD (Units 31-2, 31-3, 31-4), THE CIGE FIELD (Units 259, 260, 261, 262, 264) & IN THE NBU FIELD (Units 377, 378, 380, 388, 390) IN THE SEEP RIDGE ROAD/WHITE RIVER LOCALITIES OF UINTAH COUNTY, UTAH**

Project: El Paso Production Company (Coastal Oil & Gas Corporation)

Project No.: COG01-09A

Permit No.: Dept. of Interior -- Ut-54937

Utah State Project No.: Ut-01-AF-0115b

To: Coastal Oil & Gas Corporation, Attn: Carroll Estes, P.O. Box 1148, Vernal, Utah 84078
Bureau of Land Management, Attn: Blaine Phillips, 70 South 500 East, Vernal, Utah 84078

Info: Antiquities Section, Division of State History, 300 Rio Grande, Salt Lake City, Utah 84101

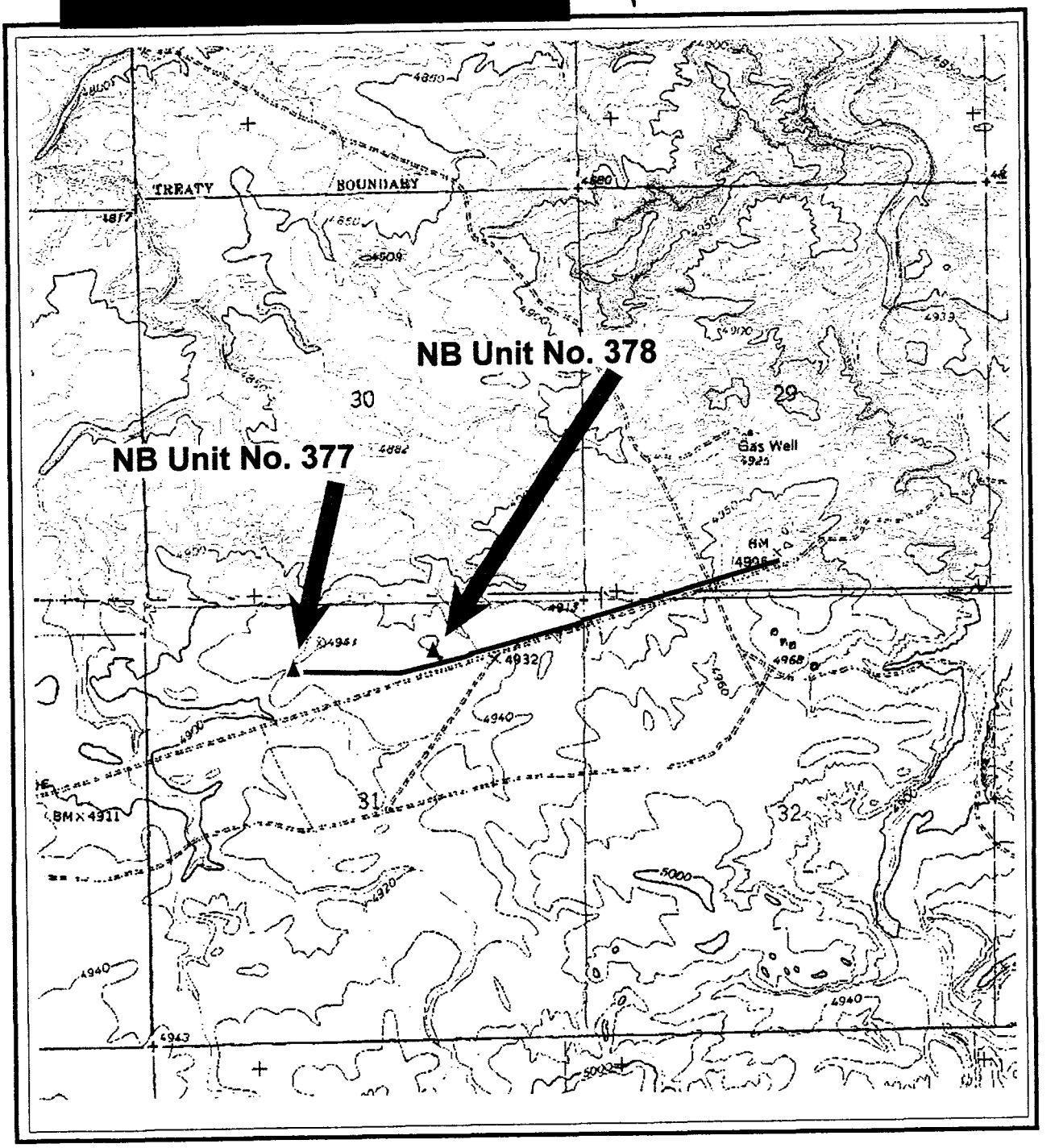
On April 18, 2001 AERC archaeologists Lolita Nikolova, Mary Martin and F.R. Hauck returned to the project area to conduct evaluations of additional pipeline corridors not evaluated during the original inventory program (see original report dated April 16, 2001). These pipelines included a one mile (6 acres) corridor for NB Units Nos. 377 and 378 (see Map 1), a .47 mile-long corridor (2.9 acres) associated with CIGE Units Nos. 94D, 13, 261, and 262 (see Map 2), and a one mile (6 acres) corridor for NB Unit No. 390 (see Map 3). A total of ca. 14.9 acres was involved in these evaluations for cultural resource presence within the 50 foot-wide corridors. No cultural resources were identified as isolated finds or activity loci during the surface examinations. AERC recommends project clearance based on the stipulations provided in the original report.

F. Richard Hauck

F. Richard Hauck

[redacted]

PROJECT: COG01-09A
SCALE: 1:24,000
QUAD: Big Pack Mtn. NE
DATE: April 23, 2001



[redacted]
UTAH

TOWNSHIP: 9 South
RANGE: 21 East
MERIDIAN: Salt Lake B. & M.

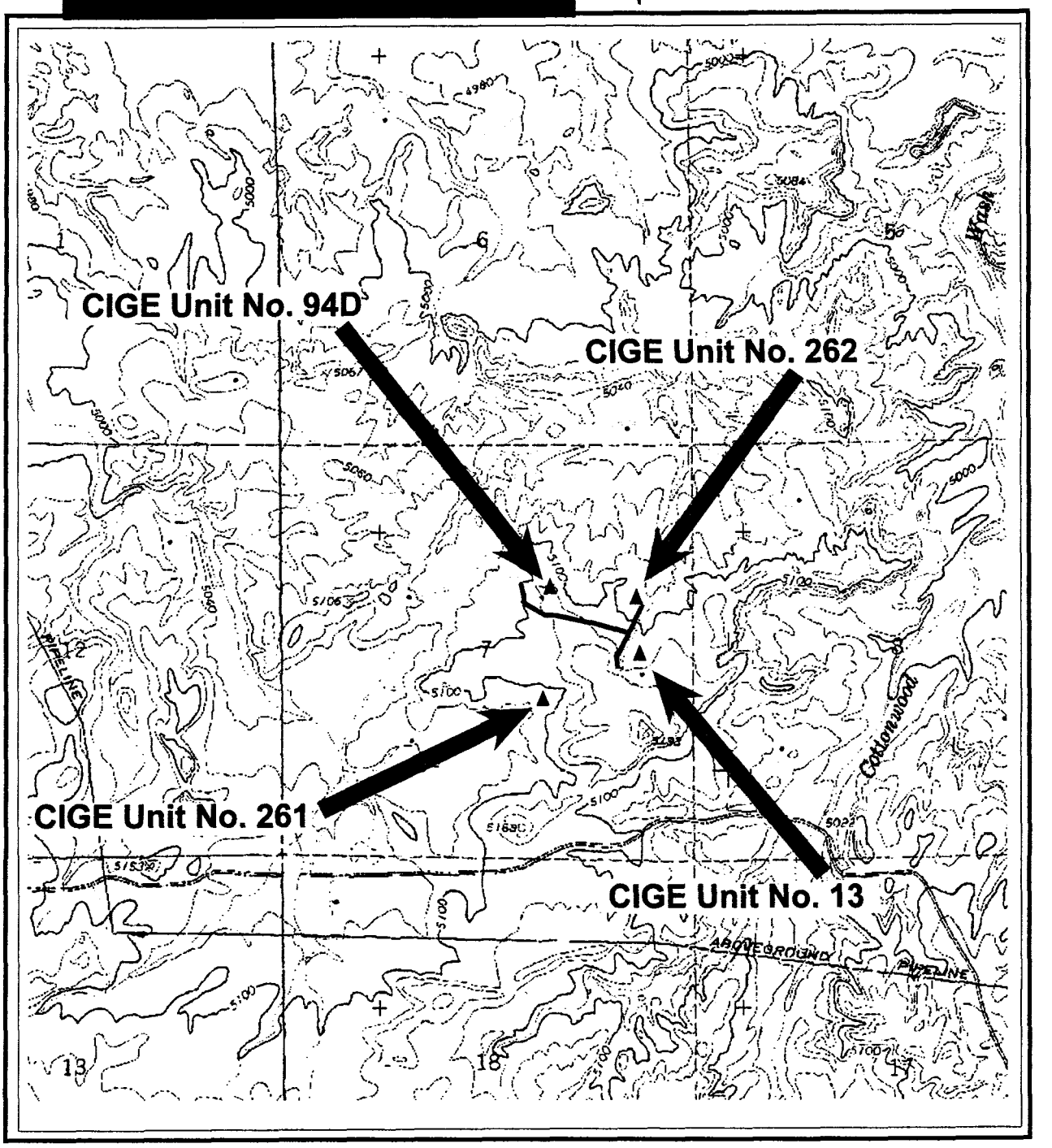
LEGEND

▲ Well Location

/ Pipeline Corridor

[redacted]

PROJECT: COG01-09A
SCALE: 1:24,000
QUAD: Big Pack Mtn. NE
DATE: April 23, 2001



[redacted]
UTAH

TOWNSHIP: 10 South
RANGE: 21 East
MERIDIAN: Salt Lake B. & M.

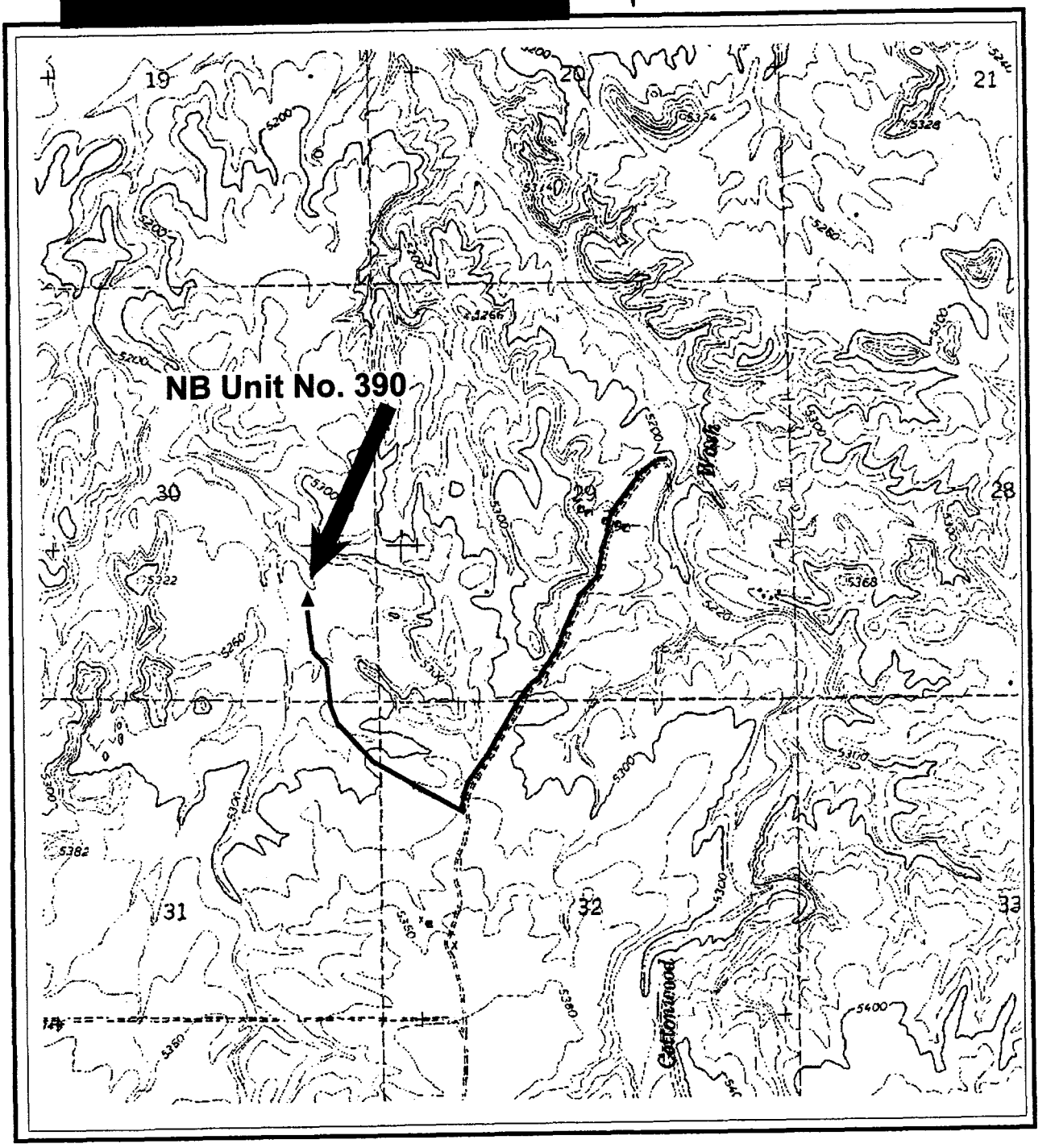
LEGEND

▲ Well Location

/ Pipeline Corridor

[redacted]

PROJECT: COG01-09A
SCALE: 1:24,000
QUAD: Big Pack Mtn. NE
DATE: April 23, 2001



[redacted]
UTAH

TOWNSHIP: 10 South
RANGE: 21 East
MERIDIAN: Salt Lake B. & M.

LEGEND

▲ Well Location

/ Pipeline Corridor

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/03/2001

API NO. ASSIGNED: 43-047-34230

WELL NAME: NBU 390

OPERATOR: EL PASO PROD OIL&GAS CO (N1845)

CONTACT: CHERYL CAMERON

PHONE NUMBER: 435-781-7023

PROPOSED LOCATION:

SESE 30 100S 210E

SURFACE: 1235 FSL 0988 FEL

BOTTOM: 1235 FSL 0988 FEL

UINTAH

NATURAL BUTTES (630)

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22793 fc

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSTC

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DRD	9/7/01
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 400JU0705)

N Potash (Y/N)

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

✓ Water Permit
(No. 43-8496)

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

N/A Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3. Unit NATURAL BUTTES

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

___ R649-3-3. Exception

✓ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-99
Siting: 460' fr. Unit boundary & Uncomm. Tract.

___ R649-3-11. Directional Drill

COMMENTS: Need Presite. (08-31-01)

STIPULATIONS: (1) Surface Casing shall be cemented to surface
(2) O.I Shale
(3) STATEMENT OF BASIS

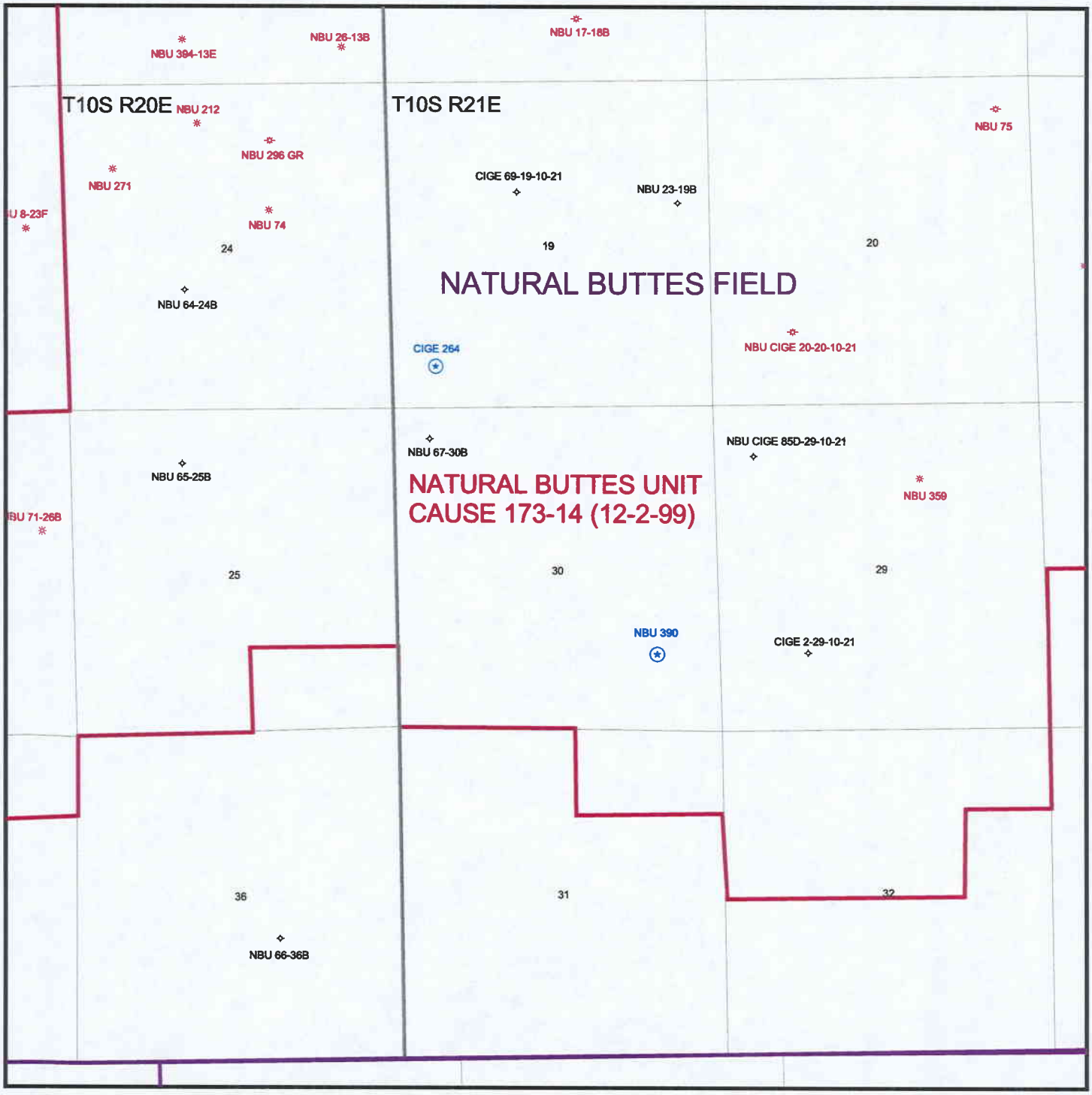
Utah Oil Gas and Mining

OPERATOR: EL PASO COMPANY (N1845)

SEC. 30, T10S, R21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH UNIT: NATURAL BUTTES
CAUSE: 173-14



PREPARED BY: LCORDOVA
DATE: 8-AUGUST-2001

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

OPERATOR: EL PASO PRODUCTION COMPANY
WELL NAME & NUMBER: NBU 390
API NUMBER: 43-047-34230
LEASE: ML-22793 **FIELD/UNIT:** NATURAL BUTTES
LOCATION: 1/4,1/4 SE/SE **SEC:** 30 **TWP:** 10S **RNG:** 21E
988' **F E L** 1235' **F S L**
LEGAL WELL SITING: Board Spaced area requiring 460' setback from unit boundary.
GPS COORD (UTM): 12620641E 4419234N
SURFACE OWNER: STATE OF UTAH

PARTICIPANTS:
CLAY EINERSON, CARROLL WILSON, CARROLL ESTES, (EL PASO): ROBERT KAY, (UELS): DAVID HACKFORD, (DOGM): FOUR DIRT CONTRACTORS.

REGIONAL/LOCAL SETTING & TOPOGRAPHY:
SITE IS 19.4 MILES SOUTHEAST OF OURAY, UTAH AND 4.9 MILES EAST OF THE SEEP RIDGE ROAD IN A RELATIVELY FLAT AREA WITH A SHALLOW DRAW 300' TO THE NORTHEAST. THIS DRAW DRAINS TO THE NORTHWEST.

SURFACE USE PLAN:

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING. HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WOULD BE 325' BY 245' AND ACCESS ROAD WOULD BE 0.7 MILES.

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

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

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

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

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

ENVIRONMENTAL PARAMETERS:

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: NATIVE GRASSES, SALTBRUSH, PRICKLY PEAR, GREASE-WOOD, SHADSCALE: RODENTS, COYOTES, SONGBIRDS, RAPTORS, PRONGHORN.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

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

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT:

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

LINER REQUIREMENTS (Site Ranking Form attached): A LINER WILL NOT BE REQUIRED.

SURFACE RESTORATION/RECLAMATION PLAN:
AS PER S.I.T.L.A.

SURFACE AGREEMENT: AS PER S.I.T.L.A.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY A.E.R.C. ARCHAEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.

OTHER OBSERVATIONS/COMMENTS:

THE PRE-DRILL INVESTIGATION TOOK PLACE ON A HOT BREEZY DAY.

ATTACHMENTS:

PHOTOS OF SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD — 8/31/01-12:15 PM

DOGM REPRESENTATIVE — **DATE/TIME**

Evaluation Ranking Criteria and Ranking Score

For Reserve and On-site Pit Liner Requirements

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

2001 8 31

2001 8 31

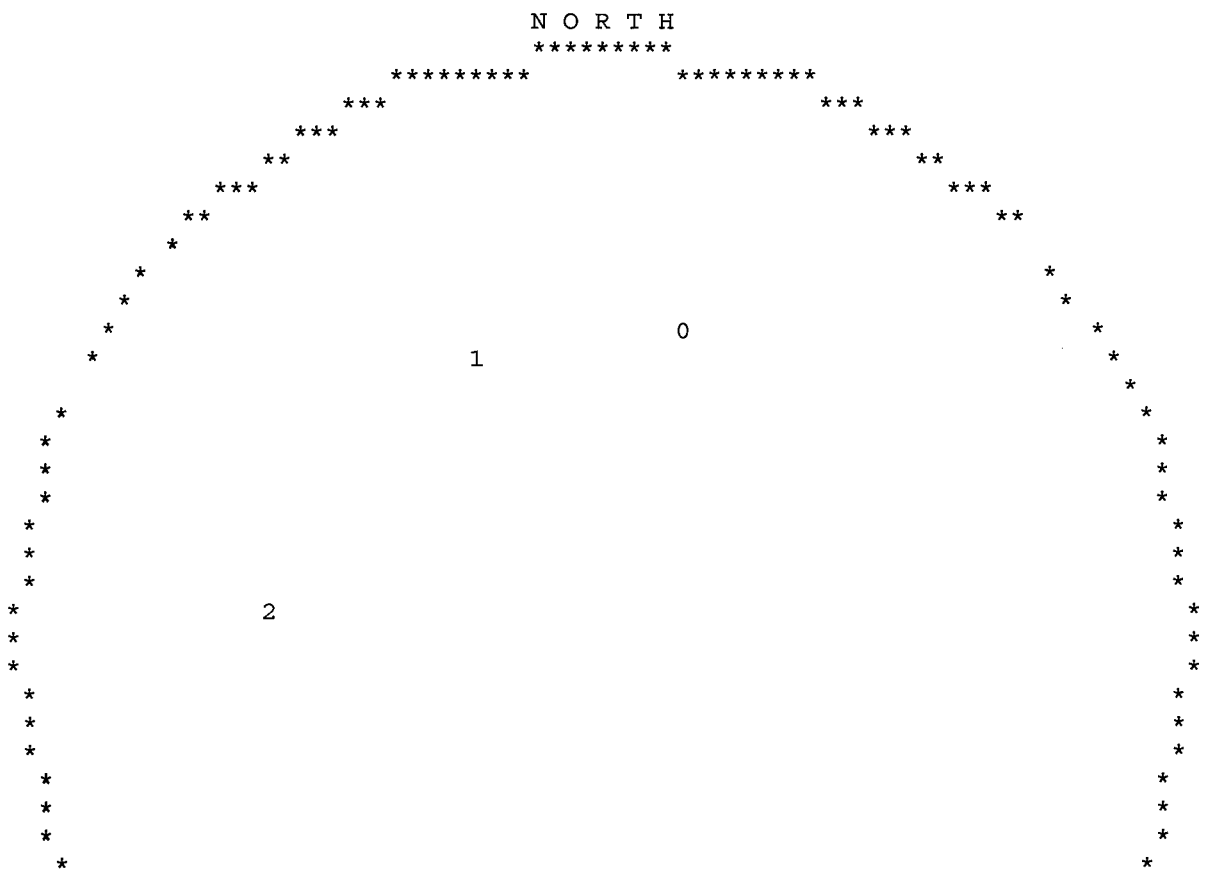
2001 8 31

2001 8 31

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED THU, SEP 6, 2001, 10:42 AM
PLOT SHOWS LOCATION OF 3 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 30 TOWNSHIP 10S RANGE 21E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET



UTAH DIVISION OF WATER RIGHTS
NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	QUANTITY AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO DIAMETER	DEPTH	YEAR LOG	POINT OF DIVERSION DESCRIPTION NORTH	EAST	CNR	SEC	TWN	RNG	B&M
0	49 392	.1700	.00	16	2200 - 3300		S 2900	W 1300	NE	19	10S	21E	SL
	WATER USE(S): DOMESTIC OTHER								PRIORITY DATE: 02/20/198				
	Magic Circle Energy Corp.(C/O Synfuels E 1667 Cole Blvd. Bldg. #19, Suite 400 Golden												
1	49 392	.1700	.00	16	2200 - 3300		N 1930	E 400	SW	19	10S	21E	SL
	WATER USE(S): DOMESTIC OTHER								PRIORITY DATE: 02/20/198				
	Magic Circle Energy Corp.(C/O Synfuels E 1667 Cole Blvd. Bldg. #19, Suite 400 Golden												
2	49 391	1.2500	.00	6	1040		S 2000	W 400	N4	25	10S	20E	SL
	WATER USE(S): MINING								PRIORITY DATE: 02/20/198				
	Magic Circle Energy Corp. (c/o Frank All 77 West 2nd South Salt Lake City												

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

Operator Name: EL PASO PRODUCTION COMPANY
Well Name & Number: NBU 390
API Number: 43-047-~~34229~~ 34230
Location: 1/4,1/4 SE/SE Sec. 30 T. 10S R. 21E

Geology/Ground Water:

Coastal proposes to set 250' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,300'. A search of Division of Water Rights records shows 3 water wells within a 10,000 foot radius of the center of section 30. These wells are owned by Magic Circle Energy. The wells are listed as being used for domestic and mining use. Depth of these wells varies from 1040to 3300'. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought to above the base of the moderately saline groundwater in order to isolate it from fresher waters uphole.

Reviewer: Brad Hill
Date: 09/06/2001

Surface:

The pre-drill investigation of the surface was performed on 8/31/2001. Surface owner and mineral owner is State of Utah. SITLA and DWR were notified of this investigation on 8/16/2001. Neither had a representative present. This site appears to be the best spot for a location in the immediate area. There is a dry stock pond 300' east of this site. This should not pose a problem for the construction of this location or the drilling of this well.

Reviewer: David W. Hackford
Date: 9/5/2001

Conditions of Approval/Application for Permit to Drill:

None.

Well name:	**09-01 El Paso NBU 390**
Operator:	**El Paso Production Company**
String type:	Surface
Location:	Uintah County
Project ID:	43-047-34230

Design parameters:

Collapse

Mud weight: 8.330 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi

Internal gradient: 0.436 psi/ft

Calculated BHP 109 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.

Neutral point: 219 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	68 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	200 ft
Cement top:	Surface

See St. p

Non-directional string.

Re subsequent strings:

Next setting depth:	7,300 ft
Next mud weight:	8.400 ppg
Next setting BHP:	3,185 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	250 ft
Injection pressure	250 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	250	8.625	24.00	K-55	ST&C	250	250	7.972	12

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	108	1370	12.66	109	2950	27.04	6	263	43.83 J

Prepared by: Dustin Doucet
Utah Dept. of Natural Resources

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

Date: September 7,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 250 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

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

Well name:	**09-01 El Paso NBU 390**
Operator:	**El Paso Production Company**
String type:	Production
Project ID:	43-047-34230
Location:	Uintah County

Design parameters:

Collapse

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi

Internal gradient: 0.436 psi/ft

Calculated BHP 3,185 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.

Neutral point: 6,383 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	167 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	368 ft
Cement top:	Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	7300	4.5	11.60	K-55	LT&C	7300	7300	3.875	169.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3185	4960	1.56	3185	5350	1.68	85	180	2.13 J

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

Date: September 7,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 7300 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

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

09-01 El Paso NBU 390

Casing Schematic

Surface

8-5/8"
MW 8.3
Frac 19.3

TOC @
0.

TOC @
0.
Surface
250. MD

w/0% washout

995'
Green River

BOP

BHP
(0.052)(8.4)(7300) = 3189 psi
Anticipated = 2720 psi

Gas
(0.12)(7300) = 876 psi
MASP = 2313 psi

4265'
Wasatch

w/15% washout

3m BOPE proposed
Adequate
DKD 9/7/01

4-1/2"
MW 8.4

Production
7300. MD

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

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

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

September 10, 2001

El Paso Production Company
PO Box 1148
Vernal, UT 84078

Re: Natural Buttes Unit 390 Well, 1235' FSL, 988' FEL, SE SE, Sec. 30, T. 10 South, R. 21 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 43-047-34230.

Sincerely,

John R. Baza
Associate Director

dm
Enclosures
cc: Uintah County Assessor
SITLA

Operator: El Paso Production Company
Well Name & Number Natural Buttes Unit 390
API Number: 43-047-34230
Lease: ML 22793

Location: SE SE **Sec.** 30 **T.** 10 South **R.** 21 East

Conditions of Approval

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

2. **Notification Requirements**
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):
- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

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

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

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

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

7. Surface casing shall be cemented to surface.

Form 9

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

CONFIDENTIAL

6. Lease Designation and Serial Number	ML-22793
7. Indian Allottee or Tribe Name	N/A
8. Unit or Communitization Agreement	Natural Buttes Unit
9. Well Name and Number	NBU #390
10. API Well Number	43-047-34230
11. Field and Pool, or Wildcat	Natural Buttes

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. Name of Operator: Coastal Oil & Gas Corporation

3. Address of Operator: P.O. Box 1148 Vernal, UT. 84078

4. Telephone Number: (435)781-7023

5. Location of Well
Footage : 1235'FSL & 988'FEL
QQ, Sec, T., R., M : SE/SE Sec.30,T10S,R21E
County : Uintah
State : UT

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

NOTICE OF INTENT (Submit in Duplicate)

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

Approximate Date Work Will Start: Immediate

SUBSEQUENT REPORT (Submit Original Form Only)

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

Date of Work Completion

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

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

Coastal Oil & Gas Corporation requests authorization for a location enlargement on the subject well in order to accommodate the Patterson Rig #136.
Verbal approval granted by Brad Hill/ UTDOGM on 9/20/01.
Please refer to the attached Typical Cross Section and Location Layout.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 10/2/01
BY: D. R. Dunn

COPY SENT TO OPERATOR
Date: 10-3-01
Initials: CHD

RECEIVED
OCT 01 2001
DIVISION OF OIL, GAS AND MINING

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

Name & Signature: Cheryl Cameron — Title: Regulatory Analyst — Date: 09/21/01

(State Use Only)

(8/90)

See Instructions on Reverse Side

EL PASO PRODUCTION OIL & GAS COMPANY

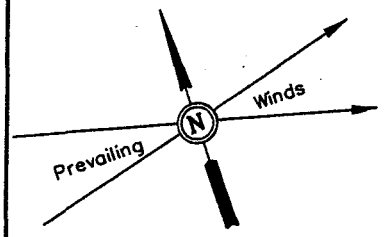
FIGURE #1

LOCATION LAYOUT FOR

NBU #390

SECTION 30, T10S, R21E, S.L.B.&M.

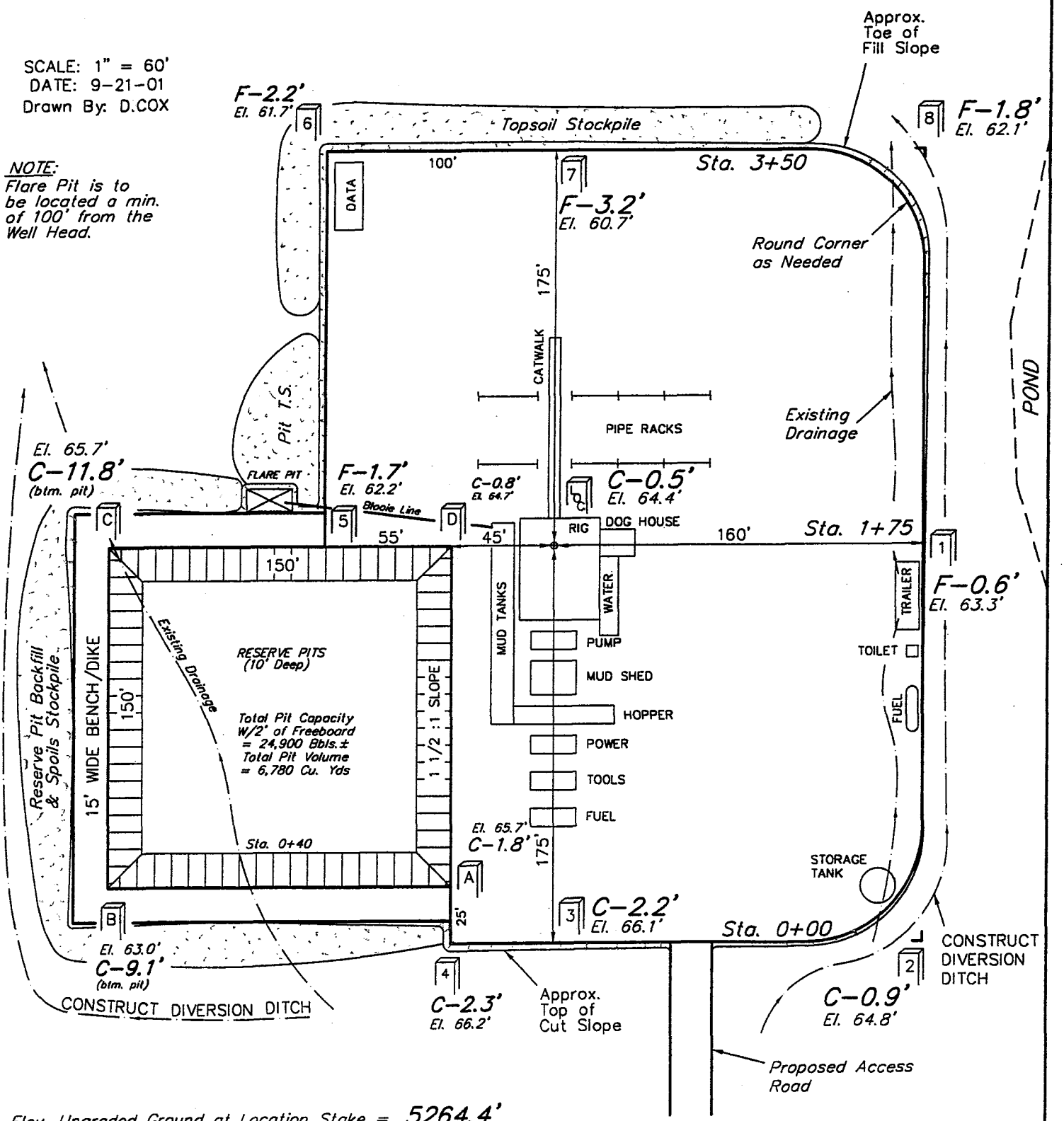
1235' FSL 988' FEL



REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH

SCALE: 1" = 60'
DATE: 9-21-01
Drawn By: D.COX

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



Elev. Ungraded Ground at Location Stake = 5264.4'

Elev. Graded Ground at Location Stake = 5263.9'

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

EL PASO PRODUCTION OIL & GAS COMPANY

TYPICAL CROSS SECTIONS FOR

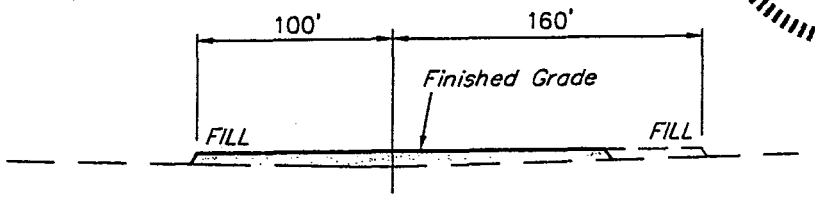
NBU #390
SECTION 30, T10S, R21E, S.L.B.&M.
1235' FSL 988' FEL

FIGURE #2

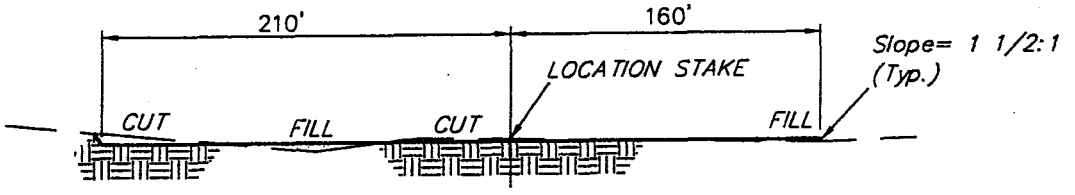
1" = 40'
X-Section Scale
1" = 100'

DATE: 9-21-01
Drawn By: D.COX

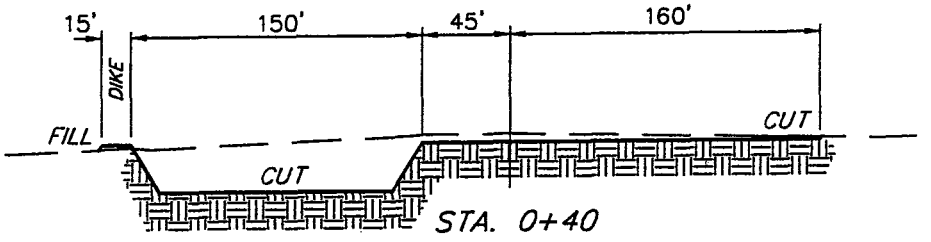
REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH



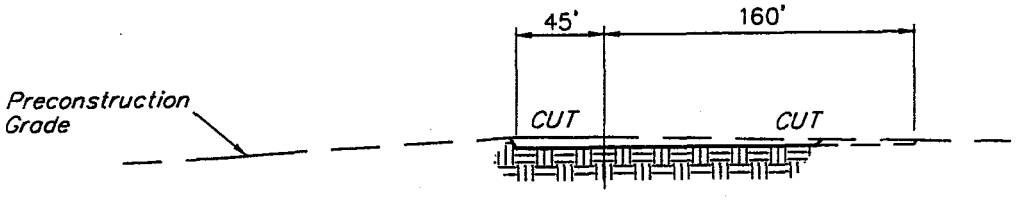
STA. 3+50



STA. 1+75



STA. 0+40



STA. 0+00

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 2,040	Cu. Yds.
Remaining Location	= 7,030	Cu. Yds.
TOTAL CUT	= 9,070	CU.YDS.
FILL	= 3,140	CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 5,760	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,430	Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 330	Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
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Form 9

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

6. Lease Designation and Serial Number	ML-22793
7. Indian Allottee or Tribe Name	N/A
8. Unit or Communitization Agreement	Natural Buttes Unit
9. Well Name and Number	NBU #390
10. API Well Number	43-047-34230
11. Field and Pool, or Wildcat	Natural Buttes

SUNDRY NOTICES AND REPORTS ON WELLS

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Use APPLICATION FOR PERMIT -- for such proposals

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

2. Name of Operator
Coastal Oil & Gas Corporation

CONFIDENTIAL

3. Address of Operator
P.O. Box 1148 Vernal, UT. 84078

Telephone Number
(435)781-7023

5. Location of Well
Footage : 1235'FSL & 988'FEL
QQ, Sec, T., R., M : SE/SE Sec.30,T10S,R21E
County : Uintah
State : UT

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(Submit in Duplicate)

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- [ ] Water Shut-Off

Approximate Date Work Will Start Immediate

SUBSEQUENT REPORT
(Submit Original Form Only)

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Please refer to the attached Typical Cross Section and Location Layout.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 10/2/01
BY: [signature]

RECEIVED
OCT 01 2001
DIVISION OF OIL, GAS AND MINING

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

Name & Signature Cheryl Cameron [signature] Title Regulatory Analyst Date 09/21/01

(State Use Only)

(8/90)

See Instructions on Reverse Side

EL PASO PRODUCTION OIL & GAS COMPANY

FIGURE #1

LOCATION LAYOUT FOR

NBU #390

SECTION 30, T10S, R21E, S.L.B.&M.

1235' FSL 988' FEL

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH

SCALE: 1" = 60'
DATE: 9-21-01
Drawn By: D.COX

NOTE:
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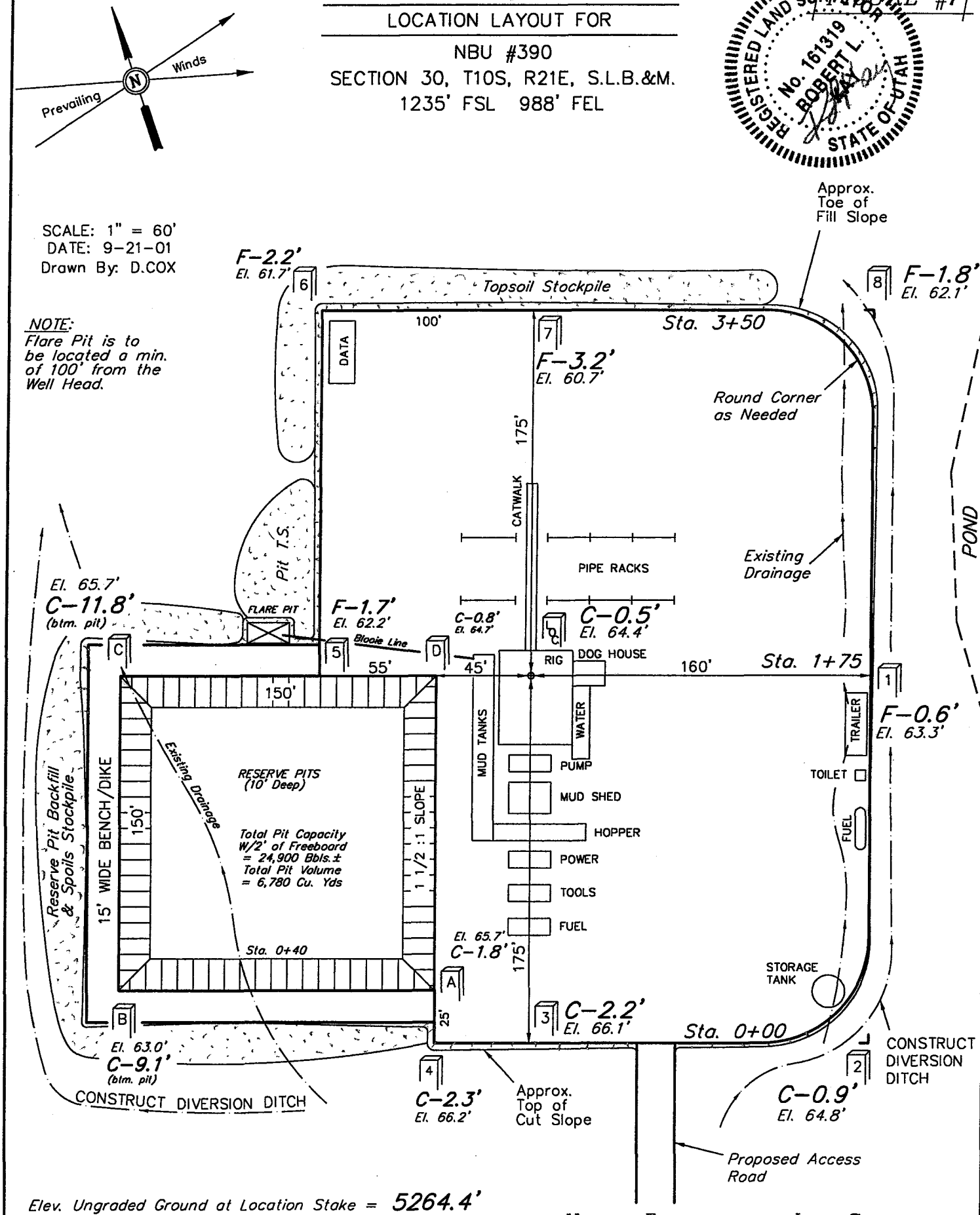

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UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

EL PASO PRODUCTION OIL & GAS COMPANY

TYPICAL CROSS SECTIONS FOR

NBU #390

SECTION 30, T10S, R21E, S.L.B.&M.

1235' FSL 988' FEL

FIGURE #2

1" = 40'

X-Section Scale

1" = 100'

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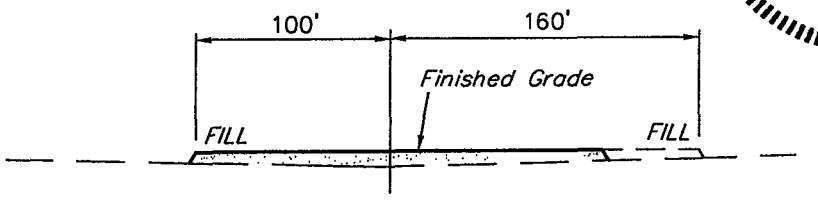
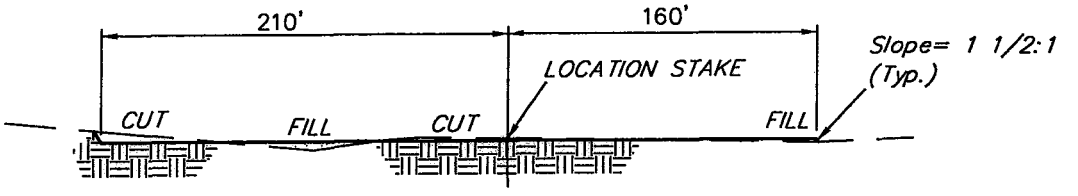


STA. 3+50



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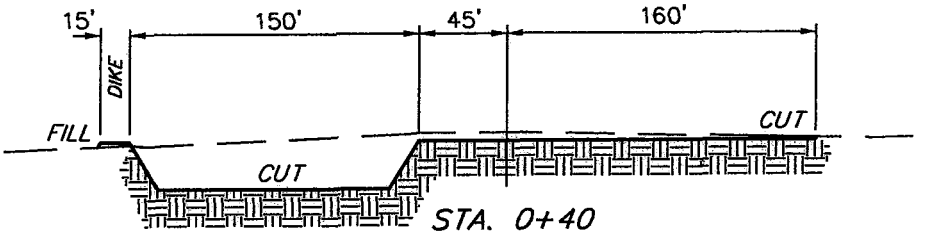
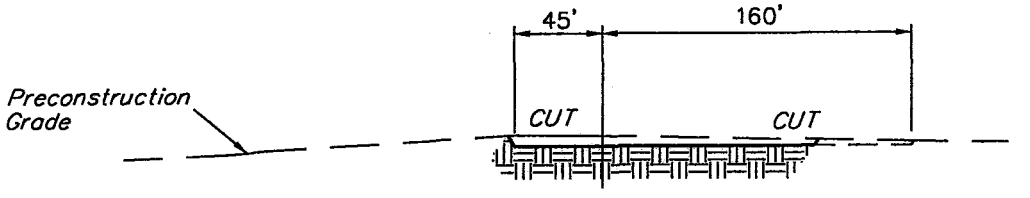


STA. 0+40



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UINTAH ENGINEERING & LAND SURVEYING

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elpaso Production

43.047.34230

EL PASO PRODUCTION COMPANY
1368 S. 1200 E., PO BOX 1148
VERNAL, UT 84078
PHONE: 435-789-4433 FAX: 435-789-4436, 435-781-7095

Fax Transmittal

TO:	Lisha Cordova	FAX:	(801) 359-3940
COMPANY:	UTDOGM	DATE:	10/11/01
FROM:	Cheryl Cameron	PHONE:	
RE:	NBU #390	PAGES:	

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

RECEIVED
OCT 1 1 2001
DIVISION OF
OIL, GAS AND MINING

CONFIDENTIAL

Form 9

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

6. Lease Designation and Serial Number: ML-22793

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Indian Allottee or Tribe Name:

8. Unit or Communitization Agreement: Natural Buttes

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

9. Well Name and Number: NBU #390

2. Name of Operator: El Paso Production Company

10. API Well Number: 43-047-34230

3. Address of Operator: P.O. Box 1148 Vernal, UT 84078

4. Telephone Number: (435) 781-7023

11. Field and Pool, or Wildcat: Natural Buttes

5. Location of Well
Footage : 1235' FSL & 988' FEL
QQ, Sec, T., R., M : SE/SE Sec. 30, T10S, R21E
County : Uintah
State : UT

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(Submit in Duplicate)

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

Approximate Date Work Will Start: Upon Approval

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
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* Must be accompanied by a cement verification report.

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

Due to a larger drill, El Paso Production Company proposes to amend the surface csg to 9 5/8" 36# K55 and the hole size for the production csg to 8 3/4", and TD amended to 6800'.

Refer to the attached Drilling Program.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 10/11/01
BY: [signature]

RECEIVED
OCT 11 2001
DIV OF OIL, GAS & MINING

[signature] 10-11-01

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

Name & Signature: Cheryl Cameron [signature] Title: Regulatory Analyst Date: 10/09/01

(State Use Only)

(8/90)

See Instructions on Reverse Side

elpaso Production

DRILLING PROGRAM

COMPANY NAME	El Paso Production Company	DATE	October 8, 2001
WELL NAME	NBU 390	TD	6,800' MD/TVD
FIELD	Natural Buttes COUNTY Uintah STATE Utah	ELEVATION	5,280' KB
SURFACE LOCATION	1245' FSL, 800' FEL, SE/SE, SEC. 30, T10S, R21E	BHL	Straight Hole
OBJECTIVE ZONE(S)	Wasatch		
ADDITIONAL INFO	Regulatory Agencies: UDOGM, BLM, Tri-County Health Dept.		

GEOLOGICAL FORMATION LOGS	TOPS	DEPTH	MECHANICAL HOLE SIZE	CASING SIZE	MUD WEIGHT
		90'		14"	
		250' MD/TVD	12-1/4"	9-5/8", 36#, K-55	Water
	Green River @ 996'				
Mud log 2500'-TD Platform Express SC-TD			8 3/4"	4-1/2", 11.6#, K-55, LTC	Water/Brine 8.3-9.0 ppg
	Wasatch @ 4,268'				
		TD @ 6,800'			

elpaso Production

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT	GR	CPLG	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3520	2020	423000
SURFACE	9-5/8"	0-250'	36.00	K-55	STC	25.10	17.26	7.17
						5350	4960	180000
PRODUCTION*	4-1/2"	0-TD	11.60	K-55	LTC	2.23	1.56	1.40

1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe - Gas Gradient (0.115 psi/ft))(TVD)

2) MASP (Int Casing) = Pore Pressure at Next Casing Point - (Gas Gradient x TVD of Next Casing Point x 0.67) - (Mud Weight x TVD x 0.052 x 0.33)

3) MASP (Prod Casing) = Pore Pressure - (Gas Gradient x TVD of Production Interval)

(Burst Assumptions: FG @ 8-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing, 50000 lbs overpull)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS*	WEIGHT	YIELD
SURFACE		250	Premium Plus + 2% CaCl2 + 0.125 pps polyflake	110	35%	15.80	1.18
PRODUCTION	LEAD	3,760'	Hifill + 10 pps gilsonite + 0.125 pps polyflake	480	60%	11.00	3.82
	TAIL	3,040'	50/50 POZ + 0.6% Halad 322 + 2% gel + 5% salt + 0.125 pps polyflake	1230	60%	14.35	1.22

* or 15% over caliper log

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.

Run Totco surveys every 1000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER: _____ DATE: _____
Dan Lindsey

DRILLING SUPERINTENDANT: _____ DATE: _____
Larry Strasheim

Well name:	**09-01 El Paso NBU 390rev.**
Operator:	**El Paso Production Company**
String type:	Surface
Project ID:	43-047-34230
Location:	Uintah County

Design parameters:

Collapse

Mud weight: 8.330 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi

Internal gradient: 0.436 psi/ft

Calculated BHP 109 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.

Neutral point: 219 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	68 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	200 ft
Cement top:	Surface

Non-directional string.

Re subsequent strings:

Next setting depth:	7,300 ft
Next mud weight:	8.400 ppg
Next setting BHP:	3,185 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	250 ft
Injection pressure	250 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	250	9.625	36.00	K-55	ST&C	250	250	8.765	17.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	108	2020	18.67	109	3520	32.27	9	423	47.00 J

Prepared by: Dustin Doucet
Utah Dept. of Natural Resources

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

Date: October 11,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 250 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

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

Well name:	**09-01 El Paso NBU 390rev.**
Operator:	**El Paso Production Company**
String type:	Production
Location:	Uintah County
Project ID:	43-047-34230

Design parameters:

Collapse

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 0 psi

Internal gradient: 0.436 psi/ft

Calculated BHP 3,185 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.

Neutral point: 6,383 ft

Environment:

H2S considered?	No
Surface temperature:	65 °F
Bottom hole temperature:	167 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	368 ft
Cement top:	Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7300	4.5	11.60	K-55	LT&C	7300	7300	3.875	169.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3185	4960	1.56	3185	5350	1.68	85	180	2.13 J

Prepared by: Dustin Doucet
Utah Dept. of Natural Resources

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

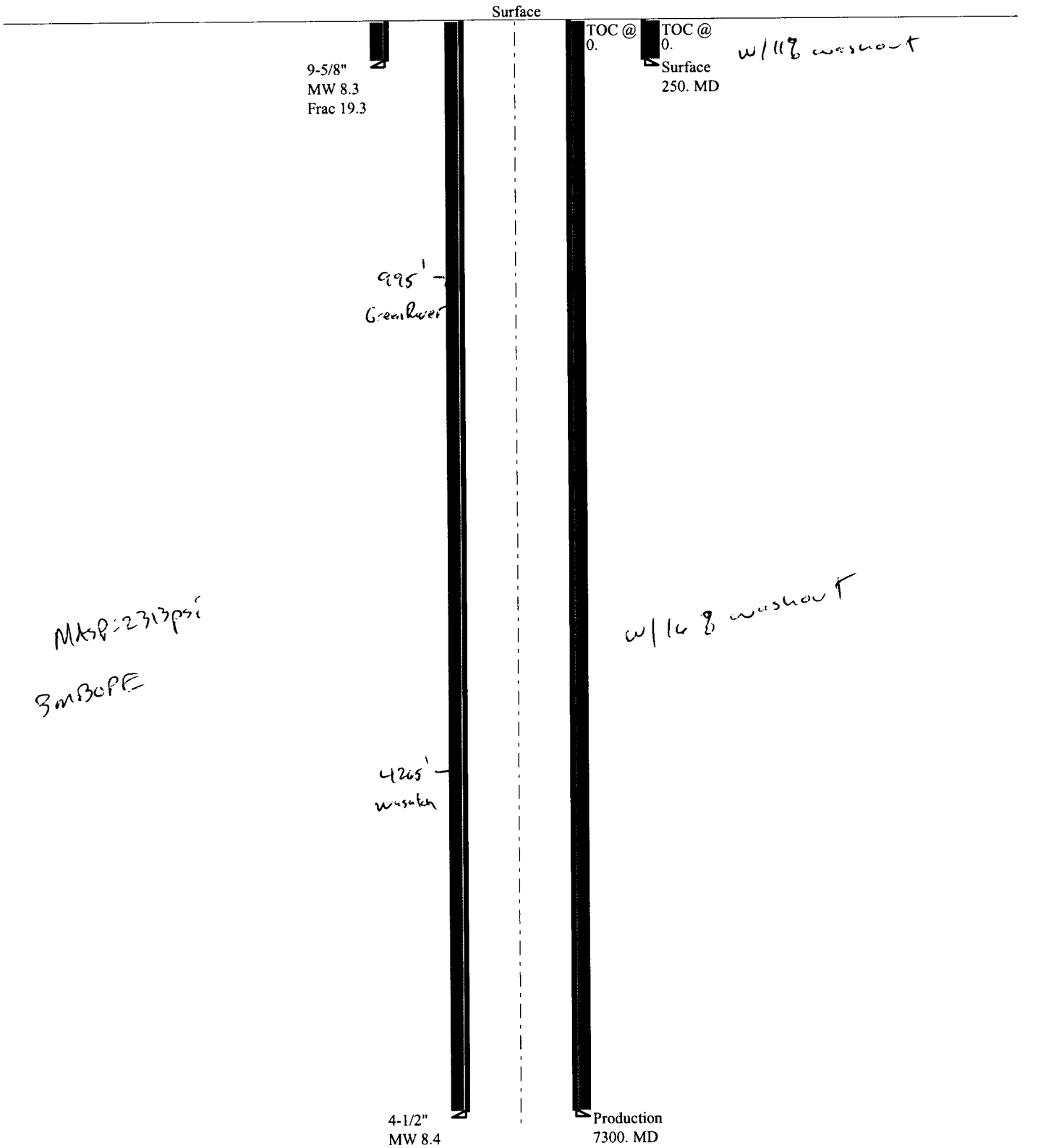
Date: October 11,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface casing cemented to surface; Oil shale
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
Collapse is based on a vertical depth of 7300 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.
Burst strength is not adjusted for tension.

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

09-01 El Paso NBU 390re . .

Casing Schematic



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

CONFIDENTIAL

OPERATOR El Paso Production O&G Co.
ADDRESS P.O. Box 1148
Vernal, UT 84078

OPERATOR ACCT. NO. N 1845

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	2900	43-047-34230	NBU #390	SESE	30	10S	21E	Uintah	10/10/2001	10-15-01 ~~10/10/2001~~

WELL 1 COMMENTS:
Spud w/ Pete Martin Bucket Rig @ 2:00 pm 10-15-01

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

WELL 2 COMMENTS:

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

WELL 3 COMMENTS:

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

WELL 4 COMMENTS:

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

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existi
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

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

Post-it® Fax Note 7671 | Date 9/11 | # of pages ▶
To Jim Thompson | From Cheryl Cameron
Co./Dept. | Co.
Phone # | Phone #
Fax # | Fax #

RECEIVED
OCT 12 2001
DIVISION OF
OIL, GAS AND MINING

Cheryl Cameron
Signature

Regulatory Analyst
Title

10/12/01
Date

Phone No. (435) 781-7023

OCT-12-2001 FRI 04:12 PM COASTAL OIL&GAS D.S. SEC FAX NO. 435 789 4436 P. 01

Form 9

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

CONFIDENTIAL

6. Lease Designation and Serial Number	ML-22793
7. Indian Allottee or Tribe Name	
8. Unit or Communitization Agreement	Natural Buttes
9. Well Name and Number	NBU #390
10. API Well Number	43-047-34230
11. Field and Pool, or Wildcat	Natural Buttes

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. Name of Operator
El Paso Production Oil & Gas Company

3. Address of Operator
P.O. Box 1148 Vernal, UT 84078

4. Telephone Number
(435) 781-7023

5. Location of Well
Footage : 1235' FSL & 988' FEL
QQ, Sec, T., R., M : SE/SE Sec. 30, T10S, R21E
County : Uintah
State : UT

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

NOTICE OF INTENT
(Submit in Duplicate)

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

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

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

Date of Work Completion 10/10/01

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

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

MIRU Pete Martin bucket rig. Spud @ 2:00 PM 10/10/01. Drill 20" conductor hole to 32'. Set 14" conductor pipe to 32' & cmt w/ 50 sx Ready Mix, Type V.

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DIVISION OF
OIL, GAS AND MINING

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

Name & Signature Cheryl Cameron Cheryl Cameron Title Regulatory Analyst Date 10/12/01

(State Use Only)

Form 9

CONFIDENTIAL

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

6. Lease Designation and Serial Number: ML-22793

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. Indian Allottee or Tribe Name:

8. Unit or Communitization Agreement:

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

9. Well Name and Number: NBU #390

2. Name of Operator: El Paso Production Oil & Gas Company

10. API Well Number: 43-047-34230

3. Address of Operator: P.O. Box 1148 Vernal, UT 84078

4. Telephone Number: (435) 781-7023

11. Field and Pool, or Wildcat: Natural Buttes

5. Location of Well
Footage : 1235' FSL & 988' FEL
QQ, Sec, T., R., M : SESE Sec. 30, T10S, R21E
County : Uintah
State : UT

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

NOTICE OF INTENT
(Submit in Duplicate)

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

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [x] Other Ran 9 5/8" csg
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off

Date of Work Completion 10/16/01

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

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

Drill f/ 32'-260' w/ Patterson #136. RIH w/ 260' of 9 5/8" 36# K-55 csg. Cmt w/ 120 sx Prem +, 15.6 ppg, 1.2 yield.

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DIVISION OF
OIL, GAS AND MINING

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

Name & Signature Cheryl Cameron Cheryl Cameron Title Regulatory Analyst Date 10/17/01

(State Use Only)

(8/90)

See Instructions on Reverse Side

Form 9

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

CONFIDENTIAL

6. Lease Designation and Serial Number	ML-22793
7. Indian Allottee or Tribe Name	
8. Unit or Communitization Agreement	Natural Buttes
9. Well Name and Number	NBU #390
10. API Well Number	43-047-34230
11. Field and Pool, or Wildcat	Natural Buttes

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. Name of Operator
El Paso Production Oil & Gas Company

3. Address of Operator
P. O. Box 1148 Vernal, UT 84078

4. Telephone Number
(435) 781-7023

5. Location of Well
Footage : 1235' FSL & 988' FEL
QQ, Sec, T., R., M : SESE Sec. 30, T10S, R21E
County : Uintah
State : UT

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

NOTICE OF INTENT
(Submit in Duplicate)

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

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

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

Date of Work Completion 10/30/01

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

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

Finished drlg f/ 260'-6795' w/ Patterson #136. RIH w/ 6795' of 4 1/2" 11.6# K-55 csg. Cmt w/ 435 sx Lead @ 11.0 ppg, & 1280 sx tail @ 14.0 ppg.

Released rig 10/30/01.

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DIVISION OF
OIL, GAS AND MINING

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

Name & Signature Cheryl Cameron Title Regulatory Analyst Date 11/01/01

(State Use Only)

(8/90) See Instructions on Reverse Side

Form 9

CONFIDENTIAL

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

6. Lease Designation and Serial Number	ML-22793
7. Indian Allottee or Tribe Name	
8. Unit or Communitization Agreement	NATURAL BUTTES UNIT
9. Well Name and Number	NBU #390
10. API Well Number	43-047-34230
11. Field and Pool, or Wildcat	Natural Buttes

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. Name of Operator
El Paso Production Oil & Gas Company

3. Address of Operator
P.O. Box 1148 Vernal, UT 84078

4. Telephone Number
(435) 781-7023

5. Location of Well
Footage : 1235' FSL & 988' FEL
QQ, Sec, T., R., M : SESE Sec. 30, T10S, R21E
County : Uintah
State : UT

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

NOTICE OF INTENT
(Submit in Duplicate)

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

Approximate Date Work Will Start

SUBSEQUENT REPORT
(Submit Original Form Only)

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

Date of Work Completion 11/16/01

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

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

The subject well was placed on sales @ 10:00 am 11/16/01. Please refer to the attached Chronological Drilling & Completion History Report.

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NOV 28 2001
DIVISION OF
OIL, GAS AND MINING

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

Name & Signature Cheryl Cameron Title Regulatory Analyst Date 11/27/01

(State Use Only)

(8/90)

See Instructions on Reverse Side

CONFIDENTIAL

EL PASO
PRODUCTION REPORT

CHRONOLOGICAL HISTORY

NBU 390
LOC.
NATURAL BUTTES FIELD
UINTAH COUNTY, UT
WI: 100%
PBTD: PERFS:
CSG:
SPUD DATE:

AFE DESCR., AFE: 051295
FORMATION:

DRILLING REPORT:

NBU, Uintah, UT Rig: Patterson 136 WI: 100% AFE: 051295 ATD: 6,800'
Wasatch @ 6,500' DHC: /CWC: /DC: 12/CC: 12 14" @ 46'

10/11/01	**TD:**	**MW:**	**Begin moving today**	
10/12/01	**TD:**	**MW:**	**MIRU**	
10/15/01	**TD:**	**MW:**	**75% Rigged up**	
10/16/01	**TD: 60**	**MW: 8.5**	**28'/2.5 hrs**	**Finish rigging up. Spud well.**
10/17/01	**TD: 260**	**MW: 8.5**	**200'/16 hrs**	**Drill to present depth. POOH. Run & cement 9 5/8" surface casing.**
10/18/01	**TD: 260**	**MW: 8.5**	**Install "A" section. NU & test BOP's. Start in hole to drill out.**	
10/19/01	**TD: 1,165**	**MW: 8.5**	**905'/20 hrs**	**TIH. Drill cement & float equipment. Drilling to present depth.**
10/22/01	**TD: 3,797**	**MW: 9.0**	**637'/22.5 hrs**	**Drilling to present depth.**
10/23/01	**TD: 4,327'**	**MW: 9.2**	**530'/23.5 hrs**	**Drilling to present depth.**
10/24/01	**TD: 4,905'**	**MW: 9.2**	**578'/15.5 hrs**	**Drill to 4,357'. Trip for bit. Drilling to present depth.**
10/25/01	**TD: 5,571**	**MW: 9.3**	**666'/22.5 hrs**	**Drilling to present depth.**
10/26/01	**TD: 6,106'**	**MW: 9.4**	**535'/23.5 hrs**	**Drilling to present depth.**
10/29/01	**TD: 6,795'**	**MW: 9.4**	**RU Schlumberger & run PEX. TIH. C & C mud. LDDP. Run 4 ½" production casing.**	
10/30/01	**TD: 6,795'**	**MW: 9.4**	**Finish run & cement production casing. Set casing hanger. ND BOP's. NU & test tree. Clean mud tanks. Rig released @ midnight. Final Drilling Cost: $437,151**	
10/31/01	**TD: 6,795'**	**MW:**	**Rigging down. Final Report Final Drilling Cost: $437,151**	

AFE DESC. WASATCH COMPLETION, AFE#: 051295
WI:100%
PBTD:6,748' PERFS: 4,542'-5,380'
CSG: 4 1/2", 11.6#, K-55, LT&C @ 6795'

11/5/01 **PREP TO RUN CBL**
11/3/01 PROG: MIRU. PU & RIH W/3 7/8" MILL & 2 3/8" TBG. TAG PBTD @ 6740'. SDFWE.

11/6/01 **SI PREP TO FRAC 11/7/01**
POOH W/TBG. RUN CBL-CCL-GR FROM PBTD @ 6724' TO 4400'. LOG 200' BELOW & ABV CMT TOP @ 1320'. PRESS TEST CSG TO 5000# & 4 ½" X 9 5/8" ANNULUS TO 1000#. HELD. PERF WASATCH 5374'-80', 2 SPF, 12 HOLES; 5346'-50', 2 SPF, 8 HOLES;

AND 5332'-38', 2 SPF, 12 HOLES. BRK DN PERFS W/1400# @ 1 BPM. PUMP 20 BBLS 2% KCL W/1400# @ 3 BPM. ISIP: 1250#, FG: 0.66.
DC:$538,235 CONST C:$ COMP C:$19,374 CWC:$557,609

11/8/01 **PREP TO DO CBP'S**
STAGE 1: FRAC'D WASATCH PERFS 5332'-5380' W/100,000# 20/40 SD & 909 BBLS YF113ST LIQ GEL. ISIP: 2650#, NET PRESS INCR: 1400#, FG: 0.93, ATP: 2864#, MTP: 3580#, MTR: 31.8 BPM, ATR: 28.6 BPM. PU & RIH W/PERF GUN & CBP. SET CBP @ 5280'.
STAGE 2: PERF THE WASATCH FROM 5226'-5236', 3 SPF, 30 HOLES. BRK DN PERFS W/2445#. ISIP: 1122#, FG: 0.65. FRAC W/51,000# 20/40 SD & 519 BBLS YF113ST LIQ GEL. ISIP: 2861#, NET PRESS INCR: 1739#, FG: 0.98, MTP: 3456#, ATP: 2894#, MTR: 24.6 BPM, ATR: 23.6 BPM. PU & RIH W/CBP & 3 3/8" PERF GUN. SET CBP @ 5160'.
STAGE 3: PERF WASATCH 4542'-4550', 4 SPF, 32 HOLES. BRK DN PERFS W/2980#. ISIP: 1314#, FG: 0.72. FRAC W/53,040# 20/40 SD & 507 BBLS YF113ST LIQ GEL. ISIP: 2376#, NET PRESS INCR: 1062#, FG: 0.96, MTP: 2948#, ATP: 2470#, MTR: 27.4 BPM, ATR: 24.3 BPM. RIH W/4 ½" CBP & SET @ 4480'. PU & RIH W/3 7/8" BIT & PUMP OFF SUB TO 4460'.

11/9/01 **FLOW FOR CLEAN UP**
ESTABLISHED CIRCULATION W/AIR FOAM. DRILLED OUT CBP'S @ 4480', 5160' & 5280'. CONTINUED CLEANING OUT TO PBTD @ 6503'. PUH TO 5340' & LANDED TBG. NDBOP & NU TREE. PUMPED OFF BIT. TURNED WELL OVER TO FLOWBACK CREW. FLOWED FROM 3 PM TO 6 AM. CP: 875# TO 550#, TP: 200# TO 100#, CHK: 28/64" TO 56/64", BWPH: 100 TO 15, SD: TRACE TO CLEAN, EST RATE: 1000 MCF. TLTR: 2025 BBLS, TLR: 1183 BBLS, LLTR: 842 BBLS.

11/12/01 **FLOW BACK 24 HRS: CHK: 56/64" TO 64/64', TP: 200# TO 50#, CP: 550# TO 400#, 15** BWPH TO 2 BWPH. SI @ 7:00 AM 11/10/01. FINAL EST GAS RATE: 600 MCFPD. TLTR: 2025 BBLS, TLR: 1307 BBLS, LLTR; 718 BBLS.

11/13/01 **SI WO SURF EQUIP.**

11/14/01 **SI WO SURF EQUIP.**

11/15/01 **SI WO SURF EQUIP.**

11/16/01 **SI WO SURF EQUIP.**

11/19/01 **PRODUCING TO SALES FROM WASATCH FM.**
11/17/01 PROG: PLACE ON SALES @ 10:00 AM, 11/16/01. SPOT PROD DATA : CHK: 15/64", FTP: 1600#, CP: 1828#, 240 BWPD.
11/18/01 FLWD 852 MCF, 132 BW, FTP: 1040#, CP: 1335#, 15/64" CHK, 19 HRS, LP: 83#.
11/19/01 FLWD 1112 MCF, 140 BW, FTP: 303#, CP: 634#, 26/64" CHK, 24 HRS, LP: 99#.
TLTR: 2025 BBLS, TLR: 1455 BBLS, LLTR: 570 BBLS.

11/20/01 **PRODUCING TO SALES FROM WASATCH FM.**
FLWD 1248 MCF, 94 BW, FTP: 158#, CP: 473#, 40/64" CHK, 24 HRS, LP: 102#. TLTR: 2 025 BBLS, TLR: 1549 BBLS, LLTR: 476 BBLS.

11/21/01 **PRODUCING TO SALES FROM WASATCH FM.**
FLWD 1247 MCF, 87 BW, FTP: 146#, CP: 460#, 64/64" CHK, 24 HRS, LP: 102#. TLTR: 2025 BBLS, TLR: 1723 BBLS, LLTR: 302 BBLS.

11/26/01 **PRODUCING TO SALES FROM WASATCH FM**
11/22/01 PROG: FLWD 1208 MCF, 0 BW, FTP: 140#, CP: 426#, 64/64" CHK, 24 HRS, LP: 90#.
11/23/01 PROG: FLWD 1163 MCF, 0 BW, FTP: 133#, CP: 410#, 64/64" CHK, 24 HRS, LP: 99#.
11/24/01 PROG: FLWD 1120 MCF, 0 BW, FTP: 125#, CP: 402, 64/64' CHK, 24 HRS, LP: 101#.
11/25/01 PROG: FLWD 1080 MCF, 85 BW, FTP: 137#, CP: 398#, 64/64" CHK, 24 HRS, LP: 103#.
11/26/01 PROG: FLWD 1047 MCF, 76 BW, FTP: 127#, CP: 383#, 64/64' CHK, 24 HRS, LP: 99#.
TLTR: 2025 BBLS, TLR: 1710 BBLS, LLTR: 315 BBLS. **FINAL REPORT**. IP DATE: 11/19/01 FLWG FROM WASATCH FORMATION 1248 MCF, 94 BW, FTP: 158#, CP: 473#, 40/64 CHK, 24 HRS, LP: 102#.

FORM 8

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DEC 14 2001

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.: ML-22793

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Natural Buttes Unit

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

9. WELL NO.: #390

10. FIELD AND POOL OR WILDCAT: Natural Buttes Field

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 30-T10S-R21E

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

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

2. NAME OF OPERATOR: El Paso Production Oil & Gas Company

3. ADDRESS AND TELEPHONE NO.: P.O. Box 1148 Vernal, Utah 84078 (435)-781-7024

CONFIDENTIAL PERIOD EXPIRED ON 12-16-02

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

At Surface: SESE 1235'FSL & 988'FEL

At top prod. Interval reported below

At total depth

14. API NO.: 43-047-34230 — DATE ISSUED: 9/10/01

12. COUNTY: Uintah — 13. STATE: UTAH

15. DATE SPUDDED: 10/10/01 — 16. DATE T.D. REACHED: 10/30/01 — 17. DATE COMPL. (Ready to prod. or Plug & Abd.): 11/16/01 — 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 5264'GL — 19. ELEV. CASINGHEAD:

20. TOTAL DEPTH, MD & TVD: MD 6795' TVD — 21. PLUG, BACK T.D., MD & TVD: MD 6740' TVD — 22. IF MULTIPLE COMPL., HOW MANY: — 23. INTERVALS DRILLED BY: ------> — ROTARY TOOLS: X — CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD): Wasatch: 5332'-5380'; Wasatch: 5226'-5236'; Wasatch: 4542'-4550'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: PE/LDC-11-16-01; CBL-CCL-GR-11-8-01, PE/AI/TRIPLE LD/GR-11-13-01

27. WAS WELL CORED YES [X] NO [ ] (Submit analysis)

DRILL STEM TEST YES [X] NO [ ] (See reverse side)

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
14" Conductor	50#	32'	20"	50 sx Ready Mix	
9 5/8" K-55	36#	260'	12 1/4"	120 sx Prem +	
4 1/2" K-55	11.6#	6795'	8 3/4"	435 sx Lead Followed by 1280 sx Tail	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
2 3/8"	5340.3'			

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
Wasatch 5332'-5380'	2 SPF	32 Holes
Wasatch 5226'-5236'	2 SPF	30 Holes
Wasatch 4542'-4550'	4 SPF	32 Holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5332'-5380'	Frac w/100,000# 20/40 SD & 909 Bbls YF113ST
5226'-5236'	Frac w/51,000# 20/40 SD & 519 Bbls YF113ST
4542'-4550'	Frac w/53,000# 20/40 SD & 507 Bbls YF113ST

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
11/16/01	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBLS.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
11/19/01	24	40/64	----->	0	1248	94	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
158#	473#	----->	0	1248	94	

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

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS:

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

SIGNED Sheila Upchego — TITLE Regulatory Analyst — DATE 12/12/2001

See Spaces for Addition Data on Reverse Side

(3/89)

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.
ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.
ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.
ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.
ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:
Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Formation	Top	Bottom	Description, contents, etc.
Green River	1039'	4217'	
Wasatch	4217'		

CONFIDENTIAL

38. GEOLOGIC MARKERS

Name	Top Meas. Depth	Top True Vert. Depth

WESTPORT OIL AND GAS COMPANY, L.P.

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety – Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider – Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases – in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,
Westport Oil and Gas Company, L.P.

Debby J. Black

Debby J. Black
Engineer Technician

Encl:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED
FEB 22 2002
DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
UTU-25566 et al
(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P.	:	Oil and Gas
410 Seventeenth Street, #2300	:	
Denver Colorado 80215-7093	:	

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523

Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

UNITED STATES GOVERNMENT

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate you concern, and hope that these comments are timely enough for consideration in the revision process.

Charles H Cameron

CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chrono

United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240

FEB 1 0 2003

IN REPLY REFER TO:
Real Estate Services

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, ($150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

February 27, 2003

Westport Oil and Gas Company, L.P.
Attn: Gary D. Williamson
1670 Broadway, Suite 2800
Denver, Colorado 80202

Re: Natural Buttes Unit
Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File - Natural Buttes Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED
FEB 2 8 2003
DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER _____

8. WELL NAME and NUMBER: Exhibit "A"

2. NAME OF OPERATOR: El Paso Production Oil & Gas Company

9. API NUMBER:

3. ADDRESS OF OPERATOR: 9 Greenway Plaza CITY Houston STATE TX ZIP 77064-0995 PHONE NUMBER: (832) 676-5933

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

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

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

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

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____

State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

RECEIVED
FEB 2 8 2003
DIV. OF OIL, GAS & MINING

EL PASO PRODUCTION OIL & GAS COMPANY

By: _____
Jon R. Nelsen, Attorney-in-Fact

WESTPORT OIL AND GAS COMPANY, L.P.

NAME (PLEASE PRINT) David R. Dix TITLE Agent and Attorney-in-Fact

SIGNATURE _____ DATE 12/17/02

(This space for State use only)

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

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

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

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

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

8. Well Name and No.
SEE ATTACHED EXHIBIT "A"

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7023

9. API Well No.
SEE ATTACHED EXHIBIT "A"

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

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UT

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

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

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration the
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zo
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 d
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 o
testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator
determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF. BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED
MAR 0 4 2003
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
CHERYL CAMERON

Title
OPERATIONS

Signature
Cheryl Cameron

Date
March 4, 2003

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)

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW ✓
3. FILE

X Change of Operator (Well Sold) Designation of Agent/Operator

Operator Name Change Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

FROM: (Old Operator):	**TO:** (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

CA No. **Unit:** **NATURAL BUTTES**

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 18	26-10S-21E	43-047-30221	2900	FEDERAL	GW	S
NBU 22-27B	27-10S-21E	43-047-30360	2900	FEDERAL	GW	PA
NBU 33-27-10-21	27-10S-21E	43-047-30502	2900	FEDERAL	GW	PA
NBU 389	28-10S-21E	43-047-34229	2900	STATE	GW	P
NBU 359	29-10S-21E	43-047-33706	2900	STATE	GW	P
CIGE 2-29-10-21	29-10S-21E	43-047-30243	2900	STATE	GW	PA
NBU CIGE 85D-29-10-21	29-10S-21E	43-047-30855	2900	STATE	GW	PA
NBU 390	30-10S-21E	43-047-34230	2900	STATE	GW	P
NBU 67-30B	30-10S-21E	43-047-30574	2900	STATE	GW	PA
NBU CIGE 31-1-10-22	01-10S-22E	43-047-30511	2900	FEDERAL	GW	P
CIGE 105D-1-10-22	01-10S-22E	43-047-31758	2900	FEDERAL	GW	P
CIGE 194-1-10-22	01-10S-22E	43-047-32932	2900	FEDERAL	GW	P
CIGE 223-1-10-22	01-10S-22E	43-047-32983	2900	FEDERAL	GW	P
NBU 3-2B	02-10S-22E	43-047-30267	2900	STATE	GW	P
CIGE 67A-2-10-22P	02-10S-22E	43-047-30938	2900	STATE	GW	P
NBU 217-2	02-10S-22E	43-047-31282	2900	STATE	GW	P
CIGE 10-2-10-22	02-10S-22E	43-047-30425	2900	STATE	GW	P
CIGE 161-2-10-22	02-10S-22E	43-047-32168	2900	STATE	GW	P
CIGE 144-2-10-22	02-10S-22E	43-047-32022	2900	STATE	GW	P
CIGE 195-2-10-22	02-10S-22E	43-047-32797	2900	STATE	GW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 03/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
5. If **NO**, the operator was contacted contacted on: _____

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

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

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

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 03/21/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 03/21/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
891008900A

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

8. Well Name and No.
Multiple Wells - see attached

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

9. API Well No.
Multiple Wells - see attached

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

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

10. Field and Pool, or Exploratory Area
Natural Buttes Unit

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Multiple Wells - see attached

11. County or Parish, State
Uintah County, UT

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

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

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

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part IIIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of oringinal volume to 98.52% when the pressure was dropped. The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

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

Name *(Printed/Typed)*
J.T. Conley

Title
Operations Manager

Signature
J.T. Conley

Date
9-2-2003

COPY SENT TO OPERATOR
Date: 9-16-03
Initials: CHD

RECEIVED
SEP 10 2003
DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Federal Approval Of This Action Is Necessary

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

Accepted by the Utah Division of Oil, Gas and Mining
Date: 9/16/03
By: [illegible]

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)

Westport Oil & Gas, L.P.
Project Economics Workshe

Instructions: Fill in blue box areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for $/BF and $/MCF

Project Name: **Condensate Shrinkage Economics**

Is this job a well pull or production rig job ??? N (Y or N)

	BEFORE $/Year	AFTER $/Year	DIFFERENCE $/Year
Gross Oil Revenue	$1,088	$1,099	$11
Gross Gas Revenue	$0	$0	$0
NGL Revenue	$0	$0	$0
PULLING UNIT SERVICE			$0
WIRELINE SERVICE			$0
SUBSURF EQUIP REPAIRS			$0
COMPANY LABOR			$0
CONTRACT LABOR	$0	$200	$200
CONTR SERVICE			$0
LEASE FUEL GAS	$0	$0	$0
UTILITIES - ELECTRICITY	$0	$0	$0
CHEMICAL TREATING			$0
MATERIAL & SUPPLY	$0	$150	$150
WATER & HAULING			$0
ADMINISTRATIVE COSTS			$0
GAS PLANT PROCESSING			$0
Totals	$0	$350	$350

Increased OPX Per Year

Investment Breakdown:

	Cap/Exp Code	Cost, $
Capital $	820/830/840	$1,200
Expense $	830/860	$0
Total $		$1,200

Oil Price	$ 23.00	$/BO
Gas Price	$ 3.10	$/MCF
Electric Cost	$ -	$ / HP / day
OPX/BF	$ 2.00	$/BF
OPX/MCF	$ 0.62	$/MCF

Production & OPX Detail:

	Before		After		Difference	
Oil Production	0.192	BOPD	0.194	BOPD	0.002	BOPD
Gas Production	0	MCFPD	0	MCFPD	0	MCFPD
Wtr Production	0	BWPD	0	BWPD	0	BWPD
Horse Power		HP		HP	0	HP
Fuel Gas Burned		MCFPD		MCFPD	0	MCFPD

Project Life:

Life = 20.0 Years
(Life no longer than 20 years)

Internal Rate of Return:
After Tax **IROR =** #DIV/0!

AT Cum Cashflow:
Operating Cashflow = ($2,917) (Discounted @ 10%)

Payout Calculation:

$$\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$$

Payout occurs when total AT cashflow equals investment
See graph below, note years when cashflow reaches zero

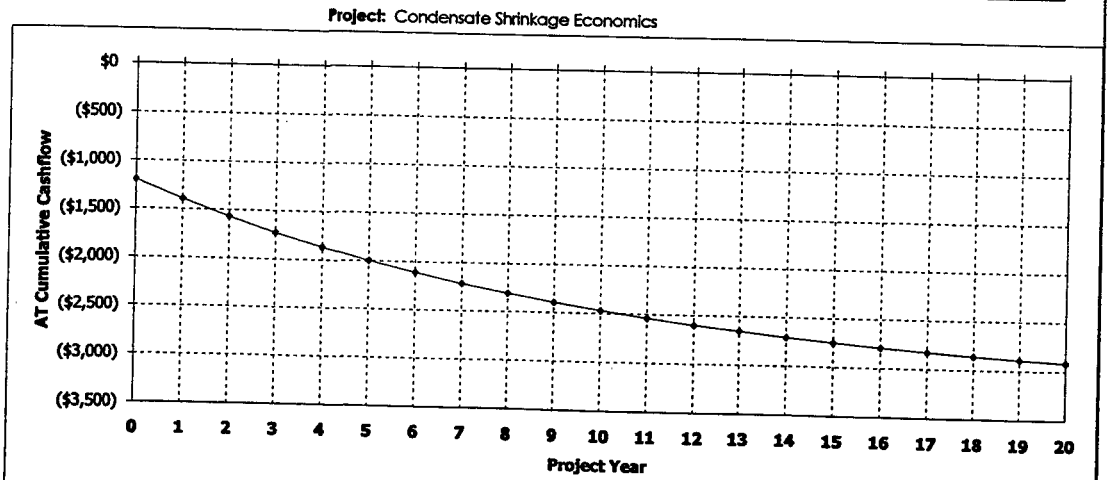
Payout = NEVER Years or #VALUE! Days

Gross Reserves:
Oil Reserves = 6 BO
Gas Reserves = 0 MCF
Gas Equiv Reserves = 38 MCFE

Notes/Assumptions:

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.196 Bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

Project: Condensate Shrinkage Economics



Westport Oil and Gas, Inc.
NBU/Ouray Field
RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES
Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl) (A)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				
Calculated at Laboratory Flash Conditions					
80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%
Calculated Flash with Backpressure using Tuned EOS					
80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.
(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.
(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.
Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
NBU 332	10-10-21 NWSW	UTU01416A	891008900A	430473364000S1
NBU 333	13-10-21 SWSW	ML23608	891008900A	430473364100S1 ✓
NBU 335	4-10-22 SENE	UTU01191	891008900A	430473372400S1
NBU 336	4-10-22 NWNE	U-01191	891008900A	430473402700S1
NBU 337	4-10-22 SENW	U-01191-A	891008900A	430473402000S1
NBU 338	5-10-22 NESE	UTU01191	891008900A	430473405800S1
NBU 339	5-10-22 NWSE	UTU01191	891008900A	430473440600S1
NBU 340	6-10-22 SWNE	UTU01195	891008900A	430473372500S1
NBU 340X	6-10-22 SWNE	UTU01195	891008900A	430473401500S1
NBU 341	6-10-22 SWNW	UTU464	891008900A	430473372600S1
NBU 342	7-10-22 NWSE	UTU468	891008900A	430473372700S1
NBU 343	8-10-22 NWNE	UTU01196C	891008900A	430473371900S1
NBU 344	8-10-22 SWNE	UTU01196C	891008900A	430473402100S1
NBU 345	10-10-22 SWNE	UTU02587	891008900A	430473370400S1 ✓
NBU 345-4E	4-10-21 SWSW	UTU01393B	891008900A	430473470000S1 ✓
NBU 347	11-10-22 NWSW	UTU01197A	891008900A	430473370900S1 ✓
NBU 348	11-10-22 SWSW	UTU01197A-ST	891008900A	430473400100S1
NBU 349	11-10-22 SWSE	UTU01197A-ST	891008900A	430473400200S1 ✓
NBU 350	14-10-22 NWNE	UTU01197A	891008900A	430473364200S1 ✓
NBU 351	30-10-22 SESE	UTU0132568A	891008900A	430473366800S1
NBU 352	9-9-21 SWNW	UTU0149767	891008900A	430473392200S1
NBU 353	27-9-21 SENW	U01194A	891008900A	430473320500S1 ✓
NBU 354	31-9-22 NENW	UTU464	891008900A	430473323100S1
NBU 356	30-9-22 NENW	U463	891008900A	430473323200S1
NBU 357	15-10-21 SWSW	UTU01791A	891008900A	430473372800S1
NBU 358	16-10-21 SESW	ML10755	891008900A	430473370800S1
NBU 359	29-10-21 NWNE	ML21330	891008900A	430473370600S1
NBU 360	29-10-22 SESW	UTU0145824	891008900A	430473377300S1
NBU 361	32-10-22 NWNW	ML22798	891008900A	430473370500S1 ✓
NBU 362	28-9-21 SESW	UTU0576	891008900A	430473377400S1
NBU 363	28-9-21 SESE	UTU0576	891008900A	430473377500S1
NBU 364	29-9-21 SESE	UTU0581	891008900A	430473377600S1
NBU 365	3-10-21 SESE	UTU0149078	891008900A	430473377700S1
NBU 366	10-10-21 NWNW	UTU0149079	891008900A	430473372900S1
NBU 367	11-10-22 NESW	UTU01197A-ST	891008900A	430473370700S1 ✓
NBU 370	17-9-21 NWSW	UTU0575	891008900A	430473467200S1 ✓
NBU 371	8-9-21 SWSE	UTU0575B	891008900A	430473467300S1 ✓
NBU 375	12-9-21 SWNE	UTU0141317	891008900A	430473444000S1 ✓
NBU 376	12-9-21 NENE	UTU0141317	891008900A	430473444100S1 ✓
NBU 377	31-9-21 NENW	UTU0582	891008900A	430473436300S1
NBU 378	31-9-21 NWNE	UTU0582	891008900A	430473436400S1
NBU 381	23-10-22 SESW	UTU01198B	891008900A	430473423400S1
NBU 382	22-10-22 SENW	U-01198-B	891008900A	430473423500S1
NBU 383	21-10-22 SESW	U-489	891008900A	430473423600S1
NBU 384	30-10-22 SENW	UTU0132568A	891008900A	430473423700S1 ✓
NBU 385	18-10-22 SENW	ML22973	891008900A	430473422800S1
NBU 386	17-10-22 NESE	UTU470	891008900A	430473423800S1
NBU 387	23-10-21 SWSE	U-02277-A	891008900A	430473423900S1
NBU 388	22-10-21 SENW	U-02278-A	891008900A	430473424000S1
NBU 389	28-10-21 NENE	ML21329	891008900A	430473422900S1
NBU 390	30-10-21 SESE	ML22793	891008900A	430473423000S1
NBU 391	17-9-21 NWNW	UTU0575	891008900A	430473487400S1
NBU 393	22-9-20 SWNW	U0577B	891008900A	43047348640S1
NBU 394	11-10-22 SWSE	UTU01197A-ST	891008900A	430473480400S1 ✓
NBU 395	27-9-21 SWSW	UTU01194A-ST	891008900A	430473437400S1 ✓
NBU 396	33-9-21 NENW	UTU0576	891008900A	430473448000S1 ✓
NBU 397	26-10-20 NESW	UTU4476	891008900A	430473436500S1
NBU 398	18-10-21 NENW	UTU02270A	891008900A	430473436600S1
NBU 399	14-10-21 NWNW	UTU465	891008900A	430473440900S1
NBU 400	16-10-21 NENW	ML10755	891008900A	430473479400S1
NBU 401	23-10-21 NENE	UTU02278A	891008900A	430473480100S1
NBU 404	32-9-22 SWSE	ML22649	891008900A	430473437500S1 ✓
NBU 405	27-9-21 NENE	UTU01194A-ST	891008900A	430473440700S1 ✓
NBU 407	32-10-22 NENW	ML22798	891008900A	430473431800S1 ✓
NBU 408	31-10-22 NENE	UTU0143551	891008900A	430473459000S1 ✓
NBU 409	32-9-21 NWSW	ML48758	891008900A	430473442100S1 ✓
NBU 410	32-9-21 SWSW	ML48758	891008900A	430473487200S1
NBU 411	32-9-21 SESE	ML48758	891008900A	430473442200S1 ✓
NBU 412	32-10-22 SENW	ML22798	891008900A	430473431900S1 ✓
NBU 413	32-10-22 SWNW	ML22798	891008900A	430473432000S1 ✓
NBU 414	31-10-22 SENE	UTU0143551	891008900A	430473438700S1
NBU 414-20E	20-9-21 NWNE	U0143551/U0575	891008900A	430473477900S1
NBU 415-20E	20-9-21 SWNE	UTU0575	891008900A	430473448900S1 ✓
NBU 416	36-9-20 SESE	ML48757	891008900A	430473442300S1 ✓
NBU 418	12-9-21 NWNW	UTU0141317	891008900A	430473477700S1

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

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

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

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

CA No. **Unit:** **NATURAL BUTTES UNIT**

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

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

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

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

5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred

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

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet

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

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

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

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

BOND VERIFICATION:

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

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

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
MUTIPLE WELLS

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

9. API Well No.

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

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

10. Field and Pool, or Exploratory Area

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

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

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

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

BLM BOND = C01203
BIA BOND = RLB0005239

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

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

Name *(Printed/Typed)*
RANDY BAYNE

Title
DRILLING MANAGER

Signature
Randy Bayne

Date
May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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SUBMIT IN TRIPLICATE – Other instructions on reverse side

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

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

8. Well Name and No.
MUTIPLE WELLS

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

9. API Well No.

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

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

10. Field and Pool, or Exploratory Area

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

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

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

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

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

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

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

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

THIS SPACE FOR FEDERAL OR STATE USE

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

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

(Instructions on reverse)

API Well No: 43047342300000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22793

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: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 390

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

9. API NUMBER: 43047342300000

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

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1235 FSL 0988 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 9/4/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

The operator requests to plug and abandon the subject well location. Attached is the the plug and abandonment procedure. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: September 16, 2010

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 9/2/2010

RECEIVED September 02, 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 43047342300000

1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.

2. All balanced plugs shall be tagged to ensure that they are at the depth specified.

3. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.

4. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.

5. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.

6. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: September 16, 2010

By:

Wellbore Diagram

API Well No: 43-047-34230-00-00 **Permit No:** **Well Name/No:** NBU 390

Company Name: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Location: Sec: 30 T: 10S R: 21E Spot: SESE

Coordinates: X: 620673 Y: 4419028

Field Name: NATURAL BUTTES

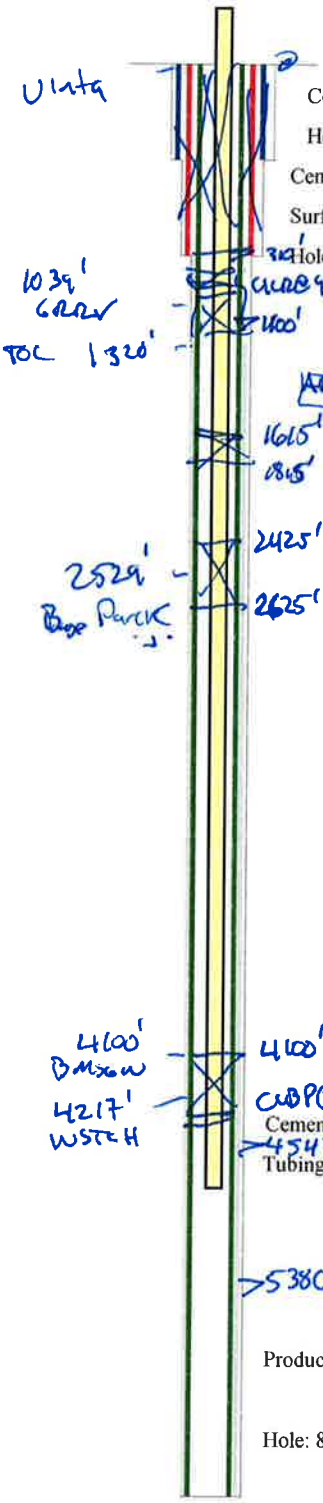
County Name: UINTAH

String Information

String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)	Capacity (f/cf)
HOL1	32	20			
COND	32	14	50	32	
HOL2	260	12.25			
SURF	260	9.625	36	260	
HOL3	6795	8.75			
PROD	6795	4.5	11.6	6795	11.459'
T1	5340	2.375			

8 3/4" x 4 1/2" (.08) → 2.533

9 5/8" x 4 1/2" → 3.090



Plug #5 (Noted Plug #6)
out 50'/(1.15)(2.533) = 17 sx
260'/(1.15)(3.090) = 73 sx
(W) 310/(1.15)(11.459) = 24 sx
Vol. 115 sx

Plug # 4 (Noted as Plug #5 in procedure)
Below 166'/(1.15)(11.459) = 12 sx
out (58 sx)(1.15)(2.533) = 169' → O.K.
Above (4 sx)(1.15)(11.459) = 53' ✓ OK.
200 minimum

Plug #3
16 sx = 200' ✓ OK.

Plug #2
(16 sx)(1.15)(11.459) = 210'
TOC @ 2425' ✓ OK.

Plug #1
(27 sx)(1.15)(11.459) = 355'
TOC @ 4100' ✓ OK.

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
COND	50	0		
PROD	6795	1320	UK	1715
SURF	260	0	PM	120

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
4542	5380			

Approved by the Utah Division of Oil, Gas and Mining

Date: September 16, 2010

By: Dark Quist

Formation Information

Formation	Depth
UNTA	0
GRRV	1039
MHGBN	1716
PARCK	2529
BMSW	4100
WSTC	4217

TD: 6795 **TVD:** **PBTD:** 6740

NBU 390
1235' FNL & 988' FEL
SESE SEC.30, T10S, 21E
Uintah County, UT

KBE:	5280'	API NUMBER:	43-047-34230
GLE:	5264'	LEASE NUMBER:	ML-22793
TD:	6795'	WI:	100%
PBTD:	6740'	NRI:	83.494445%
		WINS:	71849

CASING: 12.25" hole
9.625" 36# K-55@ 260' GL
Cemented with 120 sx Premium Plus + 2% $CaCl_2$ + 0.125 pps polyflake(15.8ppg/ 1.18 yield). No report of returns.

8.75" hole
4.5" 11.6# K-55 @ 6795'
Cemented with 435 sx. Hilift (11.0ppg) and 970 sx 50/50 Poz. Full returns w/ 30bbls excess. TOC @ 1115' per CBL.

TUBING: 2.375" 4.7# J-55 tubing

Tubular	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1626	0.02173	0.00387
4.5" 11.6# K-55 csg	3.875	4960	5350	0.6528	0.0872	0.01554
9.625" 36# K-55 csg	8.765	2020	3520	3.2470	0.4340	0.0773
Annular Capacities						
2.375" tbg. X 4.5" 11.6# csg				0.4226	0.0565	0.01006
4.5" csg. X 9.625" 36# csg.				2.2159	0.3236	0.0576
4.5" csg. X 8.75" hole				2.2974	0.3071	0.0547
7.875" borehole				2.9478	0.3941	0.0702

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1039'
Bird's Nest	1184'
Mahogany	1716'
Base of Parachute	2529'
Wasatch	4217'

Tech. Pub. #92 Base of USDW's

USDW Elevation	~900' MSL
USDW Depth	~4300' KBE

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EXISTING PERFORATIONS:

Date	Formation	Top Perf	Btm Perf	spf	bbls gel pmp'd	# Sand pmp'd
11/8/2001	Wasatch	4542	4550	2	507	53,000
11/8/2001	Wasatch	5226	5236	2	519	51,000
11/8/2001	Wasatch	5380	5380	4	909	100,000

WELL HISTORY:

Initial Completion – Nov 2001

- TD'd 10/26/2001
- Perforated the gross Wasatch interval 4542-5380.
- Fractured with 1935 bbls. gel and 204,000# 20/40 mesh sand.
- 11/19/01 FLWG FROM WASATCH FORMATION 1248 MCF, 94 BW, FTP: 158#, CP: 473#, 40/64 CHK, 24 HRS, LP: 102#.

NBU 390 PLUG & ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 250 sx Class "G" cement needed for procedure

Note: No gyro has been run as of 5/27/10

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.

2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL AND PREP FOR GYRO.

3. RUN GYRO SURVEY.

4. **PLUG #1, ISOLATE WASATCH PERFORATIONS (4512' – 5380'), PROTECT USDW (4300'), PROTECT TOP OF WASATCH (4217'):** RIH W/ 4 ½" CIBP. SET @ ~4450'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 5.5 BBL CMT (~27 SX) ON TOP OF PLUG. PUH ABOVE TOC (~4100'). REVERSE CIRCULATE W/ TREATED BRINE.

5. **PLUG #2, PROTECT BASE OF PARACHUTE (2529'):** PUH TO ~2625'. BRK CIRC W/ FRESH WATER. DISPLACE 3.2 BBL. (~16 SX) AND BALANCE PLUG W/ TOC @ ~2425' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.

6. **PLUG #3, PROTECT TOP OF MAHOGANY (1716'):** PUH TO ~1815'. BRK CIRC W/ FRESH WATER. DISPLACE 3.2BBL. (~16 SX) AND BALANCE PLUG W/ TOC @ ~1615' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED BRINE.

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7. **PLUG #5, PROTECT TOP OF GREEN RIVER (1039') & TOP OF BIRD'S NEST (1184'):** POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ ~1100' W/ 4 SPF. PU & RIH W/ 4 ½" CICR, SET @ ~940'. RIH W/ TBG & STING INTO CICR & SQUEEZE PERFS W/ APPROXIMATELY 14 BBL. (~70 SX, CALCULATION INCLUDES 15% EXCESS) OR SUFFICIENT VOLUME TO FILL CSG & BOREHOLE ANNULUS TO 940'. STING OUT OF CICR AND SPOT 1 BBL. (~4 SX) CMT ON TOP OF CICR. BRK CIRC W/ FRESH WATER. POOH ABOVE TOC (~890'). REVERSE CIRCULATE W/ 10 PPG BRINE.

8. **PLUG #6, SURFACE SHOE (~260' KB) & SURFACE HOLE:** POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ 310' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP 23 BBL. (~111 SX) OR SUFFICIENT VOLUME TO FILL ANNULUS AND CASING TO SURFACE.

9. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.

10. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

JP 8/31/10

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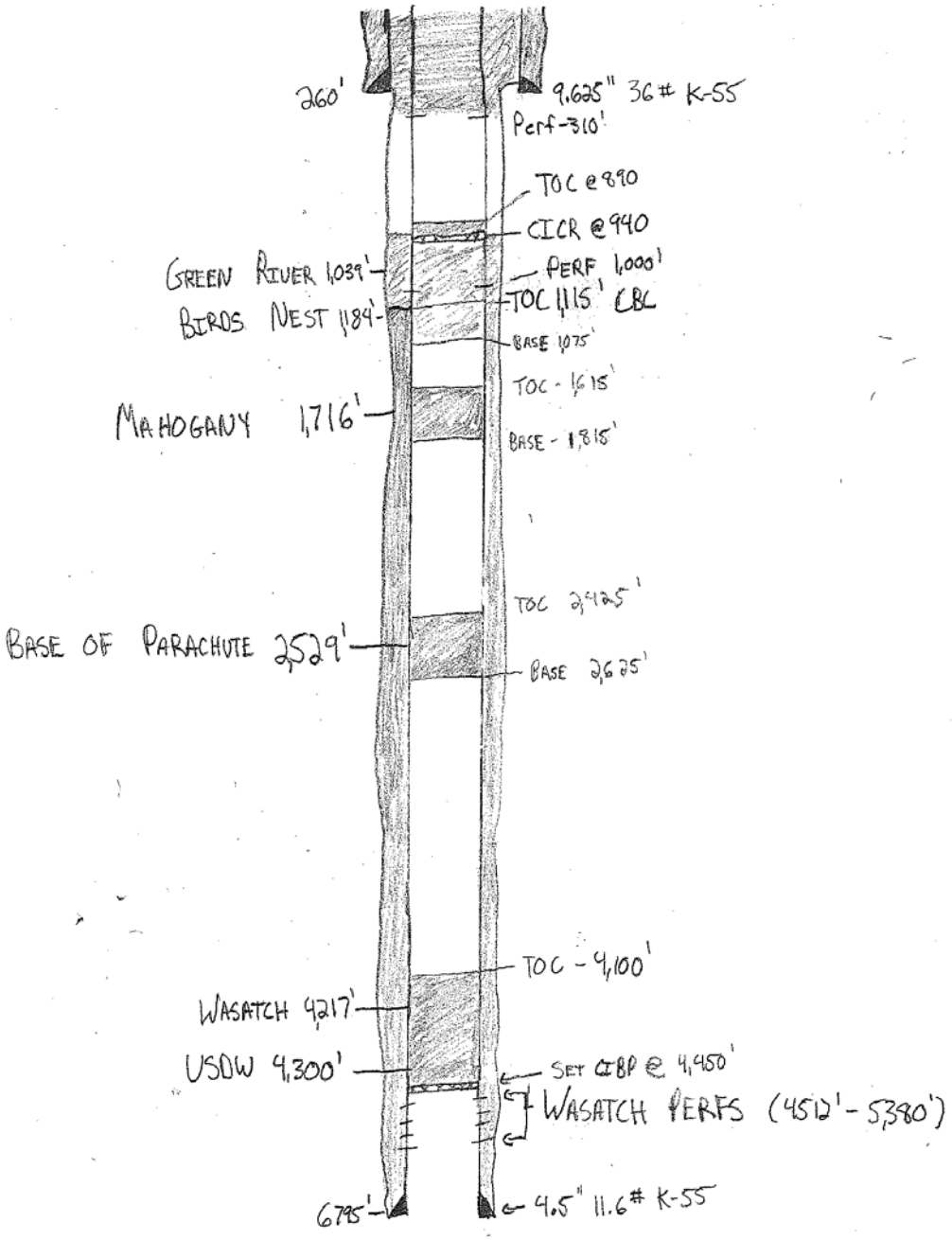
NBU 390 P&A



RECEIVED September 02, 2010

API Well No: 43047342300000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-22793

SUNDRY NOTICES AND REPORTS ON WELLS

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7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL: Gas Well

8. WELL NAME and NUMBER: NBU 390

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

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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779
PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1235 FSL 0988 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 30 Township: 10.0S Range: 21.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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TYPE OF SUBMISSION	TYPE OF ACTION		
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	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ SUBSEQUENT REPORT Date of Work Completion: 9/29/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	✓ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
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☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

THE OPERATOR CONCLUDED PLUG AND ABANDONMENT OPERATIONS ON THE SUBJECT WELL ON 9/29/2010. PLEASE SEE ATTACHED PLUG AND ABANDONMENT CHRONOLOGICAL WELL HISTORY FOR DETAILS OF THE PLUGGING OPERATION.

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

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE		**DATE**
N/A		10/6/2010

RECEIVED October 06, 2010

US ROCKIES REGION

Operation Summary Report

Well: NBU 390	Spud Date: 10/10/2001	
Project: UTAH-UINTAH	Site: NBU 390	Rig Name No: DOUBLE HOOK/UNK
Event: ABANDONMENT	Start Date: 9/28/2010	End Date: 9/29/2010
Active Datum: RKB @0.00ft (above Mean Sea Level)	UWI: NBU 390	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/28/2010	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW JSA # 1 (RIGGING UP)
	7:30 - 14:00	6.50	ALL	31	I	P		ROAD RIG TO LOCATION, SICP. 250 PSI. SITP. 850 PSI. MIRU, PUMP 11 BBLS DWN TBG, PRESSURE UP TO 2000 PSI, TBG PLUGGED, PUMP 3 BBLS DWN CSG, PRESSURE TO 1000 PSI. ND WH, NU BOPS, RU FLOOR EQUIPMENT, LD HANGER, PULL 65K ON TBG, TBG STUCK, WORKED TBG UP- DWN, UNSUCCESSFUL, RU MULTI-SHOT, RIH W/ GAUGE RING TO 5194' POOH GAUGE RING, RIH GYRO SURVEY, RD MULTI-SHOT. BLEW DWN TBG, FILL TBG W/ 10 BBLS PRESSURE TO 1000 PSI. BLEW TBG DWN,
	14:00 - 17:00	3.00	ALL	37	A	P		RU CUTTERS, RIH W/ 1-11/16 STUCK PIPE LOG, TAG @ 5208'', LOG UP TO 4000, NO INDICATION OF STUCK TBG, POOH STUCK PIPE LOG, RIH W/ CHEMICAL CUTTER & CUT TBG @ 4530', POOH WIRELINE, CONTROL TBG W/ 10 BBLS, RD CUTTERS, TBG FREE, POOH S/B 48 JTS. EOT @ 3028' SWI, SDFN.
9/29/2010	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW JSA # 6 (L/D TBG ON TRAILER)
	7:30 - 9:00	1.50	ALL	31	I	P		SICP. 450 PSI. SITP. 450 PSI. BLEW WELL DWN, CONTROL WELL W/ 15 BBLS, POOH REMAINING TBG, (TALLY OUT)
	9:00 - 11:00	2.00	ALL	31	I	P		RU CUTTERS, RIH W/ 3.625 GAUGE RING TO 4500', GOOD, POOH GAUGE RING, RIH & SET 4-1/2 CIBP @ 4450', POOH WIRELINE, RD CUTTERS, RIH NOTCH COLLAR & 138 JTS. 2-3/8 J-55 TBG, TAG CIBP @ 4450' PU 10', ROLL HOLE W/ 70 BBLS TREATEDT-MAC.

RECEIVED October 06, 2010

US ROCKIES REGION

Operation Summary Report

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Project: UTAH-UINTAH	Site: NBU 390	Rig Name No: DOUBLE HOOK/UNK
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Active Datum: RKB @0.00ft (above Mean Sea Level)	UWI: NBU 390	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:00 - 20:00	9.00	ALL	51	D	P		RU PRO PETRO, TEST LINES 1500 PSI, TEST CSG TO 500 PSI. FOR 5 MINS, HELD. PLUG # 1 PUMP 2.6 BBLS FRESH WTR, PUMP 5.5 BBLS (27 SKS) CLASS G CMT @ 15.8 PPG, 1.15 YIELD, 1 BBL FRESH WTR, 15.6 BBLS DISPLACEMENT, POOH TO EOT @ 2620' FILL HOLE W/ T-MAC, 3.3 BBLS PLUG # 2 PUMP 2.6 BBLS FRESH WTR, 3.3 BBLS(16 SKS) CLASS G CMT @ 15.8 PPG, 1.15 YEILD, 1 BBL FRESH WTR, T-MAC 8 BBLS DISPLACEMENT, POOH EOT @ 1815', FILL HOLE, PLUG # 3 PUMP 2.6 BBLS FRESH WTR, 3.3 BBLS (16 SKS) CLASS G CMT, 1 BBL FRESH WTR, T-MAC 5.1 BBLS DISPLACEMENT, POOH 29 JTS. 2-3/8 TBG, RU CUTTERS, RIH W/ 3-1/8 GUN & PERFORATED @ 1100' W/ 4 SPF, POOH WIRELINE, RD CUTTERS, RIH W/ 4-1/2 CICR & 29 JTS TBG, SET CICR @ 945,' PUMP TO ESTABLISH INJECTION RATE, PLUGGED RETAINER, PRESSURE UP TO 2000 PSI, STINGER PLUGGED, POOH TBG, CLEAN STINGER, RIH TBG, FLUSH TBG STUNG IN PRESSURE UP TO 2000 PSI, STUNG OUT CIRC OK, PUMP 2.6 BBLS FRESH WTR, PUMP 7.75.BBLS (38 SKS) CLASS G CMT @ 15.8 PPG, 1.15 YEILD, 1 BLL FRESH WTR, 1/2 BBL T-MAC, DISPLACEMENT, POOH TBG, RU CUTTERS, RIH W/3-1/8 GUN & PERFORATED @ 310' W/ 4 SPF, WOULD NOT CIRC, RIH W/ 3-1/8 GUN & PERFORATED @ 220' 4 SPF, RD CUTTERS, WOULD NOT CIRC, RIH W/ 11 JTS TBG @ 364', PUMP 7.0 BBLS CMT TO SURFACE(34 SKS) CLASS G CMT, 15.8 PPG @ 1.15 YEILD, POOH TBG, DUG OUT WH, CUT OFF WH, PUMP 8 BBLS CMT TO 4-1/2 & 9-5/8, CMT TO SURFACE, STAYED FULL, INSTALLED MARKER, RDMO.

RECEIVED October 06, 2010