



**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1100N  
Denver, CO 80202  
(303) 572-9000  
Fax: (303) 824-5400

November 30, 2001

State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Attention: Mr. John Baza

**RECEIVED**

**DEC 04 2001**

**DIVISION OF  
OIL, GAS AND MINING**

RE: Request for Exception to Location  
and Siting of Wells  
Natural Cotton 52-28  
SW/4NE/4 of Sec. 28-9S-21E, SLM  
Uintah County, Utah  
Natural Buttes Prospect  
1540-G06, 0050619-000

Gentlemen:

Reference is made to that certain Order promulgated in Cause No. 197-1 for the development and production of gas and associated hydrocarbons from the Green River formation. Said spacing order established 160-acre drilling units covering, among other lands, the NE/4 of Section 28, Township 9 South, Range 21 East, SLM, Uintah County, Utah. The prescribed location of the permitted well therein shall be not less than 1000' from the exterior boundary of such drilling unit.

EOG Resources, Inc. (EOG) proposes and respectfully requests permission to drill the Natural Cotton 52-28, a 4900' Green River formation test well, at a location 1402' FNL, 2004' FEL (SW/4NE/4) of Section 28, Township 9 South, Range 21 East, SLM, Uintah County, Utah, which is not a location at which a gas well could be drilled in compliance with the aforementioned spacing order.

The Natural Cotton 52-28 will T.D. in the Douglas Creek member of the Green River formation; the Wasatch and Mesaverde formations (the unitized zones in the Natural Buttes Unit) will not be penetrated. The objectives of this well are two sands in what EOG informally refers to as the M-2 and M-3 zones of the Douglas Creek member. The M-2 and M-3 zones contain stratigraphically trapped gas in fluvial channels in the area and mapping shows the sands to be highly lenticular and stratigraphically unpredictable in the area. The COG NBU 133-28, a Wasatch producer located at 1800' FNL, 1980' FEL (SW/4NE/4) of Section 28, Township 9 South, Range 21 East, SLM, Uintah County, Utah, encountered fairly thin M-2 and M-3 sands. EOG, as owner of the Green River rights in the area, wishes to drill a twin to this well to develop both the M-2 and M-3 gas. In order to reduce stratigraphic risk in these narrow, lenticular sands, EOG desires to drill as close to the control point as is topographically and logistically possible. The requested exception location is necessary for EOG to do so.

Enclosed herewith are a copy of the survey plat for the proposed well and two (2) additional plats labeled Exhibits "A" and "B."

Exhibit "A" depicts the outlines of the 160-acre drilling units established by the Order in Cause 197-1, the legal window in each drilling unit within which the permitted well therein may be located (location at which a gas well could be drilled in the NE/4 of Section 28, Township 9 South, Range 21 East, SLM, Uintah County, Utah, in compliance with the spacing order and locations at which gas wells could be drilled in accordance with the spacing order in drilling units directly or diagonally offsetting the proposed exception), and the location at which EOG requests permission to drill the proposed Natural Cotton 52-28 well. The Green River formation wells which have been drilled in directly and diagonally offsetting drilling units are also visually displayed.

Exhibit "B" is a land map which visually displays EOG's ownership of 100% of the operating rights from the surface to the base of the Green River formation underlying the subject drilling unit (NE/4 of Section 28, Township 9 South, Range 21 East, SLM, Uintah County, Utah), the drilling units directly offsetting the subject drilling unit to the south, north and west and the drilling units diagonally offsetting the subject drilling unit to the northwest and southwest. El Paso Production Oil & Gas USA, L.P. (El Paso) and Coastal Oil & Gas Resources, Inc. (Coastal) jointly own 100% of the operating rights from the surface to the base of the Green River formation underlying the drilling unit diagonally offsetting the subject drilling unit to the northeast and El Paso Production Oil & Gas USA, L.P. owns 100% of the operating rights from the surface to the base of the Green River formation underlying the drilling unit directly offsetting the subject drilling unit to the east and the drilling unit diagonally offsetting the subject drilling unit to the southeast. As a result, a letter dated November 1, 2001, on which El Paso and Coastal have evidenced their written consent to EOG's proposed drilling of the Natural Cotton 52-28 at the requested exception location is also enclosed.

EOG respectfully requests the Utah Division of Oil, Gas and Mining review and grant administrative approval of this application for an exception well location and permission to drill the proposed Green River formation well described herein at its earliest opportunity.

If you have any questions or need any additional information, please do not hesitate to contact the undersigned.

Yours very truly,

**EOG RESOURCES, INC.**



Toni Lei Miller  
Division Land Specialist

TLM/kse  
Enclosures  
(m:\tllm\inov\stutl\trnatcot52-28.doc)

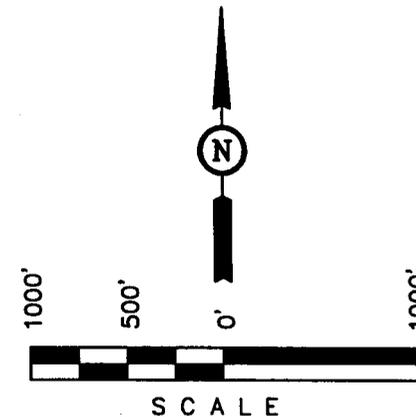
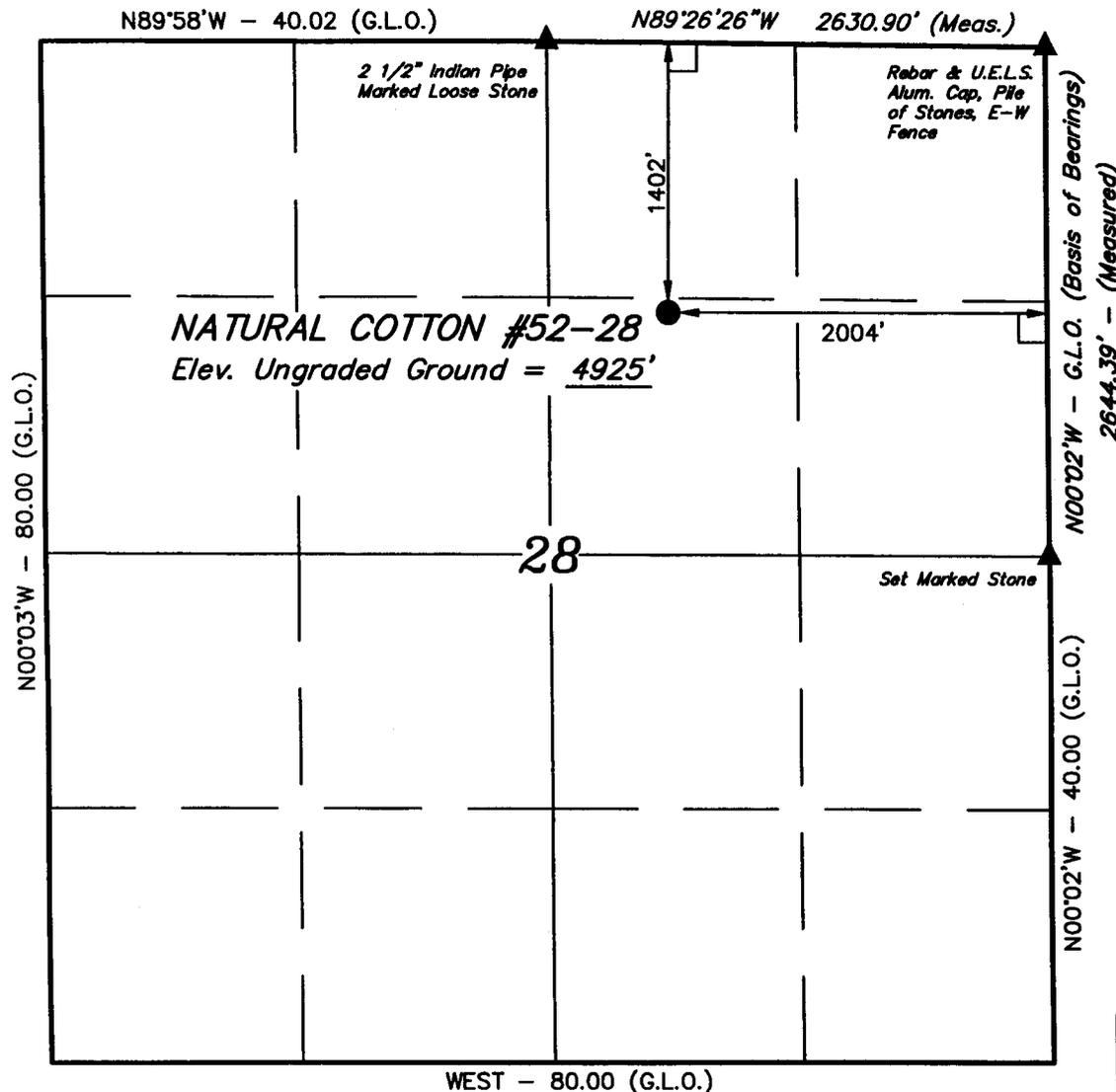
cc: Ed Trotter (w/copies of enclosures)  
Jim Schaefer – EOG (w/copies of enclosures)  
Kim Perez – EOG (w/copies of enclosures)  
Dan Frederick – EOG (w/copies of enclosures)  
Phil Thomas – El Paso/Coastal (w/copies of enclosures)

T9S, R21E, S.L.B.&M.

Well location, NATURAL COTTON #52-28, located as shown in the SW 1/4 NE 1/4 of Section 28, T9S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 25EAM IN THE NW 1/4 OF SECTION 24, T9S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4961 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 BEST OF MY KNOWLEDGE AND BELIEF.

*Robert J. Johnson*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

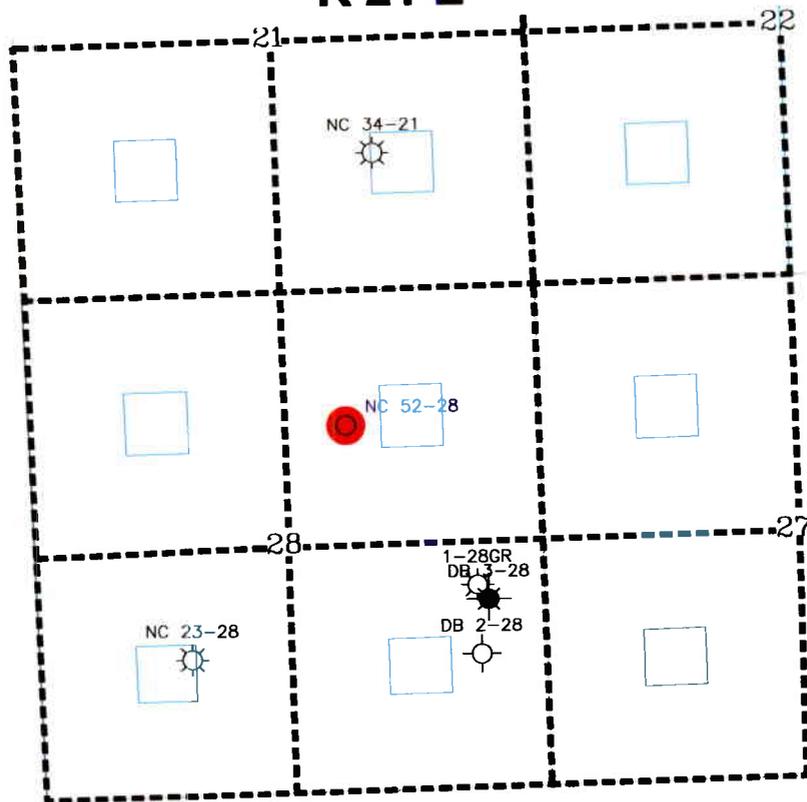
LEGEND:

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

LATITUDE = 40°00'38"  
 LONGITUDE = 109°33'13"

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 09-27-01	DATE DRAWN: 10-02-01
PARTY K.K. J.J. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE EOG RESOURCES, INC.	

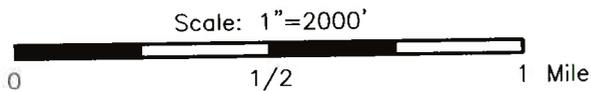
R 21 E



T  
9  
S

- Drilling Units established for development and production of gas and associated hydrocarbons from Green River Formation under Cause No. 197-1
-  Legal window within which a Green River gas well could be drilled in each Drilling Unit in compliance with order.
-  Locations at which Green River wells have been drilled
-  Location at which applicant requests permission to drill the proposed Natural Cotton #52-28:  
1402' FNL, 2004' FEL SW NE SEC. 28, T9S - R21E

Exhibit "A"





Denver Division

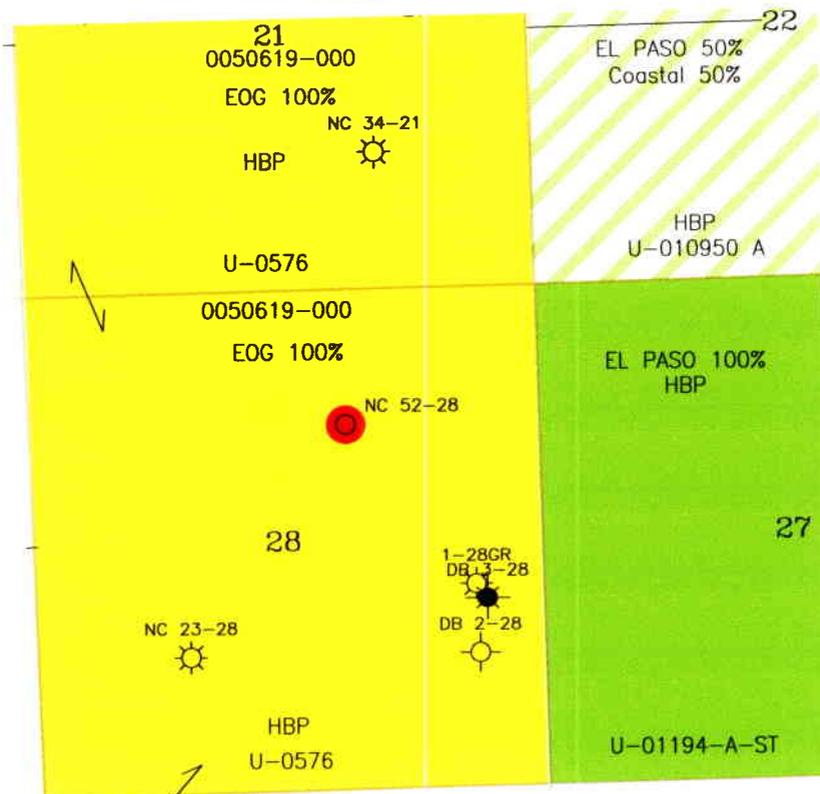
Application for  
Exception Well Location

**Natural Cotton #52-28 Well**

UINTAH COUNTY, UTAH

Scale: 1"=2000'	Map ID 9-21-30	Author T.M.	Date: 10/2001
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# R 21 E



T  
9  
S

-  EOG 100% Working Interest
-  El Paso 100% Working Interest
-  El Paso 50% / Coastal 50% Working Interest

Information depicted on this plat is limited to the ownership from the surface to the base of the Green River Formation.

 Location at which applicant requests permission to drill the proposed Natural Cotton #52-28: 1402' FNL, 2004' FEL SW NE SEC. 28, T9S - R21E

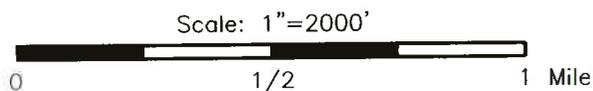
## Exhibit "B"



Denver Division

Application for  
Exception Well Location

**Natural Cotton #52-28 Well**  
UINTAH COUNTY, UTAH



Scale: 1" = 2000'	Map ID 9-21-28	Author T.M.	Date: 10/2001
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**EOG Resources, Inc.**  
600 Seventeenth Street  
Suite 1100N  
Denver, CO 80202  
(303) 572-9000  
Fax: (303) 824-5400

November 1, 2001

El Paso Production Oil & Gas USA, L.P.  
Coastal Oil & Gas Resources, Inc.  
Nine Greenway Plaza  
Houston, TX 77046-0995

Attention: Mr. Phil Thomas

RE: Request for Consent to  
Exception Well Location  
Natural Cotton 52-28  
SW/4NE/4 of Sec. 28-9S-21E, SLM,  
Uintah County, Utah  
Natural Buttes Prospect  
1540-G06, 0050619-000

Gentlemen:

EOG Resources, Inc. (EOG) has staked and proposes to drill the Natural Cotton 52-28, a 4900' Green River formation test well, at a location 1402' FNL, 2004' FEL (SW/4NE/4) of Section 28-9S-21E, SLM, Uintah County, Utah (see enclosed copies of plats).

The State of Utah Board of Oil, Gas and Mining's Order in Cause No. 197-1 established 160-acre drilling units for the development and production of gas and associated hydrocarbons from the Green River formation and prescribes that the location of the permitted well in each drilling unit shall be not less than 1000' from the exterior boundary of such drilling unit.

Inasmuch as the location of the proposed Natural Cotton 52-28 well is not in compliance with this spacing order, EOG will request the State of Utah Division of Oil, Gas and Mining's administrative approval of such location as an exception location in accordance with General Rule R649-3-3. Such Rule requires EOG to submit written consent from all owners of directly or diagonally offsetting drilling units.

Therefore, if El Paso Production Oil & Gas USA, L.P. and Coastal Oil & Gas Resources, Inc. have no objections to EOG's drilling its proposed Green River test, the Natural Cotton 52-28 well at the above-described exception location, EOG respectfully requests you so indicate their written consent to same by having this letter dated and executed in the spaces provided below and returning two (2) originally executed copies to my attention at the letterhead address at your earliest opportunity.

El Paso Production Oil & Gas USA, L.P.  
Coastal Oil & Gas Resources, Inc.  
November 1, 2001  
Page Two

Thank you for your favorable consideration of this request. If you have any questions, please don't hesitate to call the undersigned.

Yours very truly,

**EOG RESOURCES, INC.**



Toni Lei Miller  
Division Land Specialist

TLM:kse  
(m:\t\m\oct\coastalnatcot5228.doc)

On this 28<sup>th</sup> day of NOVEMBER, 2001, El Paso Production Oil & Gas USA, L.P. and Coastal Oil & Gas Resources, Inc., hereby grant their written consent to EOG Resources Inc.'s drilling the proposed Green River test, the Natural Cotton 52-28, at a location 1402' FNL, 2004' FEL (SW/4NE/4) of Section 28-9S-21E, SLM, Uintah County, Utah, which location is an exception to State of Utah Board of Oil, Gas and Mining's Order in Cause No. 197-1.

**EL PASO PRODUCTION OIL & GAS USA, L.P.**

By: Henry J. Hansen  
Title: ROCKY MOUNTAIN LAND DIRECTOR

**COASTAL OIL & GAS RESOURCES, INC.**

By: Henry J. Hansen  
Title: ROCKY MOUNTAIN LAND DIRECTOR

THE BOARD OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES AND ENERGY  
in and for the STATE OF UTAH

-----  
IN THE MATTER OF THE APPLICATION )  
OF COASTAL OIL & GAS CORPORATION ) ORDER  
FOR AN ORDER ESTABLISHING 160-ACRE )  
DRILLING AND SPACING UNITS FOR ) CAUSE NO. 197-1  
LANDS IN THE NATURAL BUTTES AREA, )  
UINTAH COUNTY, UTAH )  
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Pursuant to due notice by the Board of Oil, Gas and Mining dated April 5, 1982, this cause came on regularly for hearing before the Board of Oil, Gas and Mining, Department of Natural Resources and Energy of the State of Utah, at 10:00 a.m., on Thursday, April 29, 1982, in the Governor's Board Room, State Capitol Building, Salt Lake City, Utah.

The following Board Members were present:

Charles R. Henderson, Chairman  
E. Steele McIntyre  
Edward T. Beck  
Margaret Bird  
John L. Bell  
Robert R. Norman  
Herm Olsen

Appearances were made as follows:

For Coastal Oil & Gas Corporation: Robert Irwin, Esq.  
For the U.S.G.S.: Ed Gynn  
For TOSCO: Phillip Lear, Esq.

NOW, THEREFORE, the Board having fully considered all motions, the testimony adduced, and the exhibits received at said hearing, and being fully advised in the premises, now makes and enters the following:

FINDINGS

1. That due and regular notice of the time, place and purpose of the hearing was given to all interested parties in the form and manner and within the time required by law and the rules and regulations of the Board.
2. That the Board has jurisdiction over all matters covered by said notice and over all parties interested therein and has the power and authority to make and promulgate the Order hereinafer set forth.
3. That one well within a 160 acre drilling unit will efficiently and economically drain the recoverable gas and associated hydrocarbons from

197-1

197-1

the hereinafter described lands, and that a 160 acre drilling unit is not larger than the maximum area that can be efficiently and economically drained by one well.

4. That for the purpose of this Order, the base of the Green River formation is defined as the stratigraphic equivalent of the correlation point established at the depth of 4,822 feet below Kelly Bushing in the Ute Trail #10 well drilled by DeKalb Petroleum Company in the NE/4 SW/4 of Section 34, Township 9 South, Range 21 East, S.L.M., Uintah County, Utah.

5. That horizontal drilling units should be established comprising each governmental one quarter section, or governmental lots corresponding thereto, i.e., 160 acres, more or less, for the interval described above in paragraph 4 covering the lands hereinafter described.

6. ~~That the location for each permitted well shall be not less than 1000 feet from the exterior boundary of each drilling unit.~~

7. That the area under consideration in this matter is underlain by oil shale and all wells drilled to the base of the Green River formation will penetrate said oil shale.

Pursuant to the foregoing Findings of Fact, the Board hereby makes the following

#### O R D E R

1. The lands in Uintah County, State of Utah, known and believed to be underlain by gas and associated hydrocarbons that can be produced from the ~~Green River~~ formations are as follows:

Township 9 South, Range 20 East, SLBM  
Sections 12 thru 15  
Sections 21 thru 28  
Sections 33 thru 36

Township 9 South, Range 21 East, SLBM  
Sections 7 thru 35

Township 10 South, Range 20 East, SLBM  
Sections 1 and 12

Township 10 South, Range 21 East, SLBM  
Sections 2 thru 9

2. The 160-acre horizontal drilling units be and the same are hereby established covering the lands described above in paragraph 1 for the development and production of gas and associated hydrocarbons from the Green River formation.

3. That the separation for each permitted well shall be not less than 1000 feet from the exterior boundary of each drilling unit.

4. That the base of the Green River formation is defined as the stratigraphic equivalent of the correlation point established at the depth of 4,822 feet below Kelly Bushing in the Ute Trail #10 well drilled by DeKalb Petroleum Company in the NE/4 SW/4 of Section 34, Township 9 South, Range 21 East, S.L.M., Uintah County, Utah.

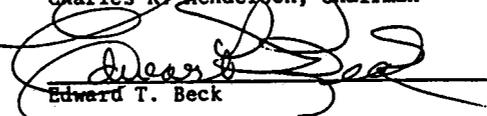
5. That any casing set into or through the oil shale section shall be cemented solidly through the oil shale section above the casing shoe and all production casing strings shall be cemented to the surface.

6. That the Board retains continuing jurisdiction over all matters covered by this Order and all other applicable orders and over all parties affected thereby and particularly that the Board retains and reserves continuing jurisdiction to make further orders as it may deem appropriate and as authorized by statute and applicable regulations.

ENTERED this 29th day of April, 1982.

BOARD OF OIL, GAS AND MINING

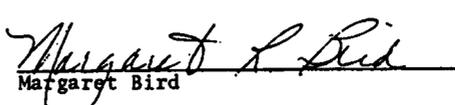
  
Charles R. Henderson, Chairman

  
Edward T. Beck

\_\_\_\_\_  
John L. Bell

  
Herm Olsen

\_\_\_\_\_  
E. Steel McIntyre

  
Margaret Bird

\_\_\_\_\_  
Robert R. Norman

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

001

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. Lease designation and serial number  
U-0576

6. If Indian, Allottee or Tribe name

7. Unit Agreement Name

8. Farm or lease name, well no.  
NATURAL COTTON 52-28

9. API Well No.  
NATURAL COTTON 52-28

10. Field and pool, or wildcat  
WASATCH *Natural Buttes*

11. Sec., T., R., M., or BLK.  
and survey or area  
SEC. 28, T9S, R21E

12. County or parish  
UINTAH

13. State  
UTAH

14. Distance in miles and direction from nearest town or post office  
13.71 MILES SOUTHEAST OF OURAY, UTAH

15. Distance from proposed location to nearest property or lease line, ft.  
1402'

16. No. of acres in lease  
1480

17. No. of acres assigned to this well

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth  
4900'

20. Rotary or cable tools  
ROTARY

21. Elevations (show whether DF, RT, GR, etc.)  
4926.1 FEET GRADED GROUND

22. Approx. date work will start  
UPON APPROVAL

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	200' - 220'	100-150 SX CLASS "G" + 2%
or 12 1/4"	9 5/8"	32.30#	200 - 220'	CaCl2 + 1/4 #/SX CELLOFLAKE.
7 7/8"	4 1/2"	10.50#	4900'	50/50 POXMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS). LIGHT CEMENT (11PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

SEE ATTACHMENTS FOR:

- 8 POINT PLAN
- BOP SCHEMATIC
- SURFACE USE AND OPERATING PLAN
- LOCATION PLAT
- LOCATION LAYOUT
- TOPOGRAPHIC MAPS "A", "B", AND "C"
- GAS SALES PIPELINE—MAP "D"

**CONFIDENTIAL**

EOG RESOURCES, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND #NM 2308

DIVISION OF OIL, GAS AND MINING

Pc: UTAH DIVISION OF OIL, GAS, AND MINING

IN ABOVE SPACE 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.

SIGNED *[Signature]* TITLE *Agent* DATE *12-7-2001*

(This space for Federal or State office use)

PERMIT NO. *43-047-34420* APPROVAL DATE

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

CONDITIONS OF APPROVAL, IF ANY:  
APPROVED BY *[Signature]* TITLE **BRADLEY G. HILL** RECLAMATION SPECIALIST III DATE *12-11-01*

**RECEIVED**  
DEC 10 2001

*Federal Approval of this Action is Necessary*



**EOG Resources, Inc.**  
**P.O. Box 250**  
**Big Piney, WY 83113**

December 7, 2001

Utah Division of Oil, Gas, & Mining  
1594 West North Temple  
Box 145801  
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL  
NATURAL COTTON 52-28  
SW/4NE, SEC. 28, T9S, R21E  
UINTAH COUNTY, UTAH  
LEASE NO.: U-0576  
FEDERAL LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420

Sincerely,



Ed Trotter  
Agent  
EOG Resources, Inc.

Attachments

**EIGHT POINT PLAN**

**NATURAL COTTON 52-28**  
**SW/NE, SEC. 28, T9S, R21E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**1. & 2. ESTIMATED TOPS & ANTICIPATED OIL, GAS, & WATER ZONES:**

<b>FORMATION</b>	<b>DEPTH</b>	<b>TYPE ZONES</b>	<b>MAXIMUM PRESSURE</b>
Teritary			
Green River oil shale	1600		
“H” Marker	3161		
Base “M” Marker	4461		
M-2 Sand	4481	GAS	
M-3 Sand	4512	GAS	
M-5 Sand	4558	GAS	
M-7 Sand	4602	GAS	
N- Limestone	4771		
Wasatch	4900		

EST. TD: 4900

Anticipated BHP 2100 PSI

**3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.**

**4. CASING PROGRAM:**

<b>HOLE SIZE</b>	<b>INTERVAL</b>	<b>LENGTH</b>	<b>SIZE</b>	<b>WEIGHT</b>	<b>GRADE</b>	<b>THREAD</b>	<b><u>MINIMUM SAFETY FACTOR</u></b>		
							<b>COLLAPSE</b>	<b>BURST</b>	<b>TENSILE</b>
11	0' - 220'	200' - 220'	8 5/8	24.0 #	J-55	ST&C	1370 PSI	2950 PSI	263,000#
or									
12 ¼	0' - 220'	200' - 220'	9 5/8	32.3 #	H-40	ST&C	1370 PSI	2270 PSI	254,000#
7 7/8	0' - 4900'	4900'	4 ½	10.5 #	J-55	ST&C	4010 PSI	4790 PSI	146,000#

If conductor drive pipe is used, it will be left in place if its total length is less than 20 feet below the surface. If the total length of the drive pipe is equal to or greater than 20 feet, it will be pulled prior to cementing surface casing, or it will be cemented in place. The minimum diameter of the conductor drive pipe will be 13 3/8”.

All casing will be new or inspected.

**5. MUD PROGRAM**

<b><u>INTERVAL</u></b>	<b><u>MUD TYPE</u></b>
0' - 200'	Air
200' - TD	Air/Mist or Aerated Water

Lost circulation probable from 1500' to 3000'+/-.

**EIGHT POINT PLAN**

**NATURAL COTTON 52-28**  
**SW/NE, SEC. 28, T9S, R21E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

**6. VARIANCE REQUESTS:**

- A. EOG Resources, Inc. requests a variance to regulations requiring a straight run blooie line (Where possible, a straight run blooie line will be used).
- B. EOG Resources, Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line. (Not required on aerated water system).
- C. EOG Resources, Inc. requests a variance to regulations requiring the blooie line to be 100' in length. To reduce location excavation, the blooie line will be 75' in length.

**7. EVALUATION PROGRAM:**

Logs: Dual Laterolog/GR  
FDC/CNL/GR/Caliper  
Lineal 2" DLL

T.D. to base of surface casing  
3100' to TD  
note deletion of MSFL and SP

Cores: None Programmed  
DST: None Programmed

Completion: To be submitted at a later date.

Note: If hole conditions prevent the running of open hole logs, a cased hole Dipole Sonic/Neutron/Gr will be run in lieu of open hole logs.

**8. ABNORMAL CONDITIONS:**

None anticipated.

**9. STANDARD REQUIRED EQUIPMENT:**

- A. Choke Manifold
- B. Kelly Clock
- C. Stabbing Valve
- D. Visual Mud Monitoring

**EIGHT POINT PLAN**

**NATURAL COTTON 52-28**  
**SW/NE, SEC. 28, T9S, R21E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

**10. HAZARDOUS CHEMICALS:**

No chemicals subject to reporting under SARA title III in an amount equal to or 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.

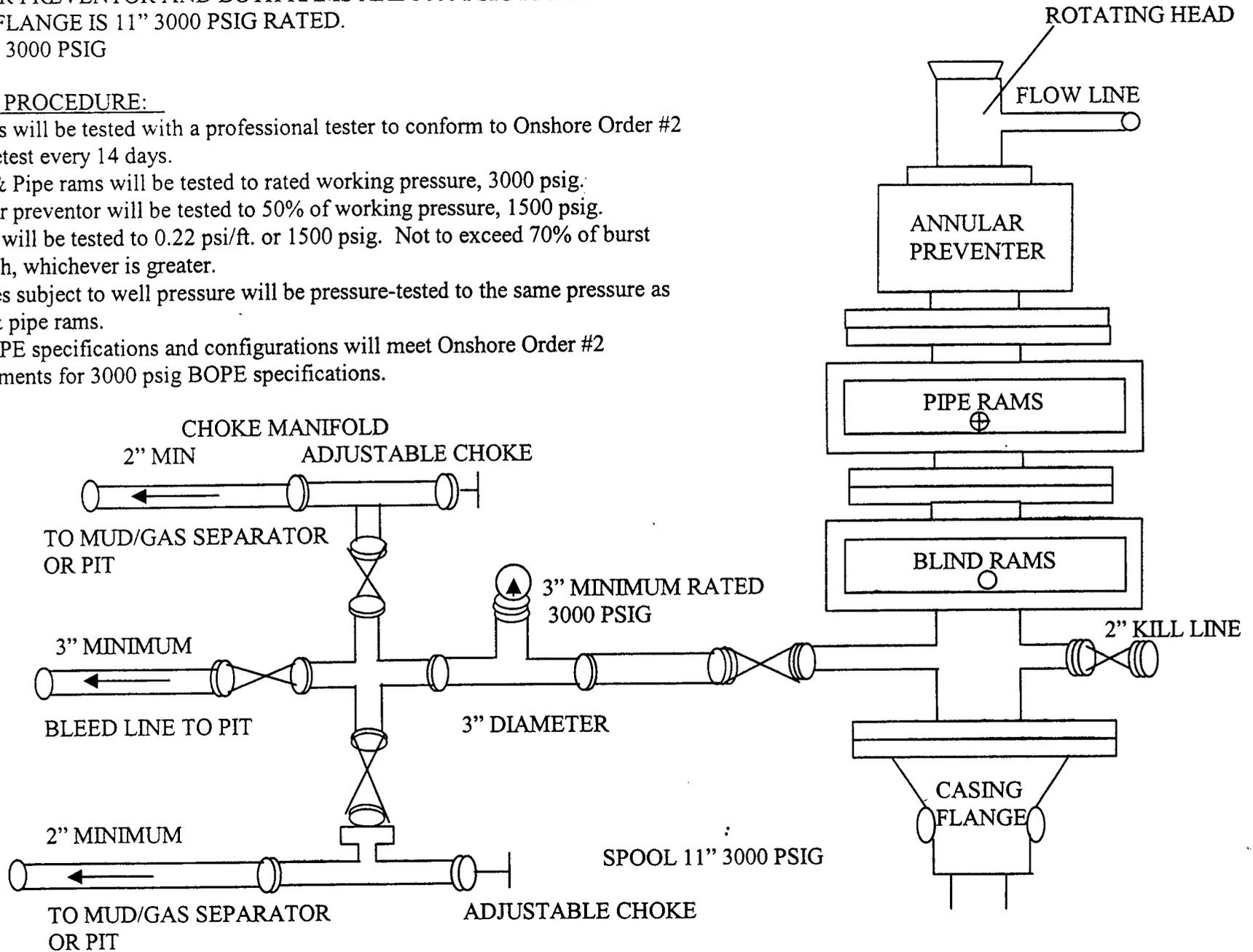
(Attachment: BOP Schematic Diagram)

## 3000 PSIG DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 3000 PSIG RATED.  
 CASING FLANGE IS 11" 3000 PSIG RATED.  
 BOPE 11" 3000 PSIG

### TESTING PROCEDURE:

1. BOPE's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind & Pipe rams will be tested to rated working pressure, 3000 psig.
3. Annular preventor will be tested to 50% of working pressure, 1500 psig.
4. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure-tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 3000 psig BOPE specifications.



**CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL**

Company/Operator:	<u>EOG Resources, Inc.</u>
Well Name & Number:	<u>Natural Cotton 52-28</u>
Lease Number:	<u>U-0576</u>
Location:	<u>1402' FNL &amp; 2004' FEL, SW/NE, Sec. 28, T9S, R21E, S.L.B.&amp;M., Uintah County, Utah</u>
Surface Ownership:	<u>Federal</u>

**NOTIFICATION REQUIREMENTS**

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice: - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new Well begins or production resumes after Well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## THIRTEEN POINT SURFACE USE PROGRAM

### 1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 13.71 miles southeast of Ouray, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### 2. PLANNED ACCESS ROAD

- A. The access road will be approximately 50 feet in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, EOG Resources, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. **LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION**

- A. Abandoned wells – 3\*
- B. Producing wells - 41\*
- C. Shut in wells – 1\*

(\*See attached TOPO map “C” for location)

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

A. **ON WELL PAD**

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, combo separator-dehy unit with meter, 300 Bbl vertical or 200 Bbl low profile, condensate tank, and attaching piping. See attached facility diagram.
- 2. Gas gathering lines - A 3” gathering line will be buried from dehy to the edge of the location.

B. **OFF WELL PAD**

- 1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
- 2. A 3” OD steel above ground natural gas pipeline will be laid approximately 109’ from proposed location to a point in the SW/NE of Section 28, T9S, R21E, where it will tie into Questar Pipeline Co.’s existing line. Proposed pipeline crosses Federal lands, thus a Right-of-Way grant will be required.
- 3. Proposed pipeline will be a 3” OD steel, welded line laid on the surface.
- 4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery.

The production facilities will be placed on the Northeast side of the location.

All permanent (on site for six months or longer) 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 Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Carlsbad Canyon.

If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

**5. LOCATION & TYPE OF WATER SUPPLY**

- A. Water supply will be from Ouray Municipal Water Plant at Ouray, Utah, and/or Target Trucking Inc.'s water source in the SW/SW, Sec. 35, T9S, R22E, Uintah County, Utah (State Water Right #49-1501). Produced water from the Chapita Wells and Stagecoach Units will also be used.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

**6. SOURCE OF CONSTRUCTION MATERIAL**

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. All construction material will come from Federal Land.
- C. No mineral materials will be required.

**7. METHODS OF HANDLING WASTE DISPOSAL**

**A. METHODS AND LOCATION**

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. After the 90 day period, the produced water will be contained in a tank on location and then disposed of at one of the following three locations: Natural Buttes Unit 21-20B SWD, Ace Disposal, or EOG Resources, Inc.

drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
  
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

**On BLM administered land:**

The reserve pit will be constructed so as not to leak, break, or allow discharge.

**The reserve pit shall be lined.**

8. **ANCILLARY FACILITIES**

- A. No airstrips or camps are planned for this well.

9. **WELLSITE LAYOUT**

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.
- D. The approved seed mixture for this location is:
  - 4 pounds Shad Scale per acre
  - 4 pounds Indian Rice Grass per acre
  - 4 pounds 4-Wing Salt Bush per acre

The reserve pit will be located on the West side of the location. The flare pit will be located downwind of the prevailing wind direction on the West side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled pit topsoil will be stored separate from the location topsoil between Corners B and 5. The stockpiled location topsoil will be stored from the pit topsoil around Corner #6 to Corner #8 to divert drainage. Upon completion of construction, the stockpiled topsoil from the location will be broadcast seeded with the approved seed mixture for this location and then walked down with a cat.

Access to the well pad will be from the Southwest.

**Location topsoil will be used to divert drainage.**

**Corners #2 and #6 will be rounded off to minimize excavation.**

**FENCING REQUIREMENTS:**

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

- A. Thirty-nine inch net wire shall 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).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

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

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and, upon completion of construction, the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly traveled. If the well is a producer, the cattleguards (shall/shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on Federal land, or any fence between Federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

**10. PLANS FOR RESTORATION OF SURFACE**

**A. PRODUCING LOCATION**

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

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

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

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The stockpiled pit topsoil will then be spread over the pit area and broadcast seeded with the prescribed seed mixture for this location. The seeded area will then be walked down with a cat.

**B. DRY HOLE/ABANDONED LOCATION**

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BLM will attach the appropriate surface rehabilitation conditions of approval.

**11. SURFACE OWNERSHIP**

Access road: Federal

Location: Federal

**12. OTHER INFORMATION**

A. EOG Resources, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical

and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, EOG Resources, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
  
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

**Additional Surface Stipulations**

None

**LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION**

<b><u>OPERATIONS</u></b>		<b><u>PERMITTING</u></b>
EOG Resources, Inc.	EOG Resources, Inc.	Ed Trotter
P.O. Box 250	P.O. Box 1815	P.O. Box 1910
Big Piney, WY 83113	Vernal, UT 84078	Vernal, UT 84078
Jim Schaefer	George McBride	Telephone: (435)789-4120
Telephone (307)276-3331	Telephone (435)789-0790	Fax: (435)789-1420

All lease 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 approval plan of operations, and any applicable Notice to Lessees. EOG Resources, Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

**Certification**

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

12-7-2001

Date

Paul L. Smith  
Agent

**EOG RESOURCES, INC.**  
**NATURAL COTTON #52-28**  
 LOCATED IN UINTAH COUNTY, UTAH  
 SECTION 28, T9S, R21E, S.L.B.&M.

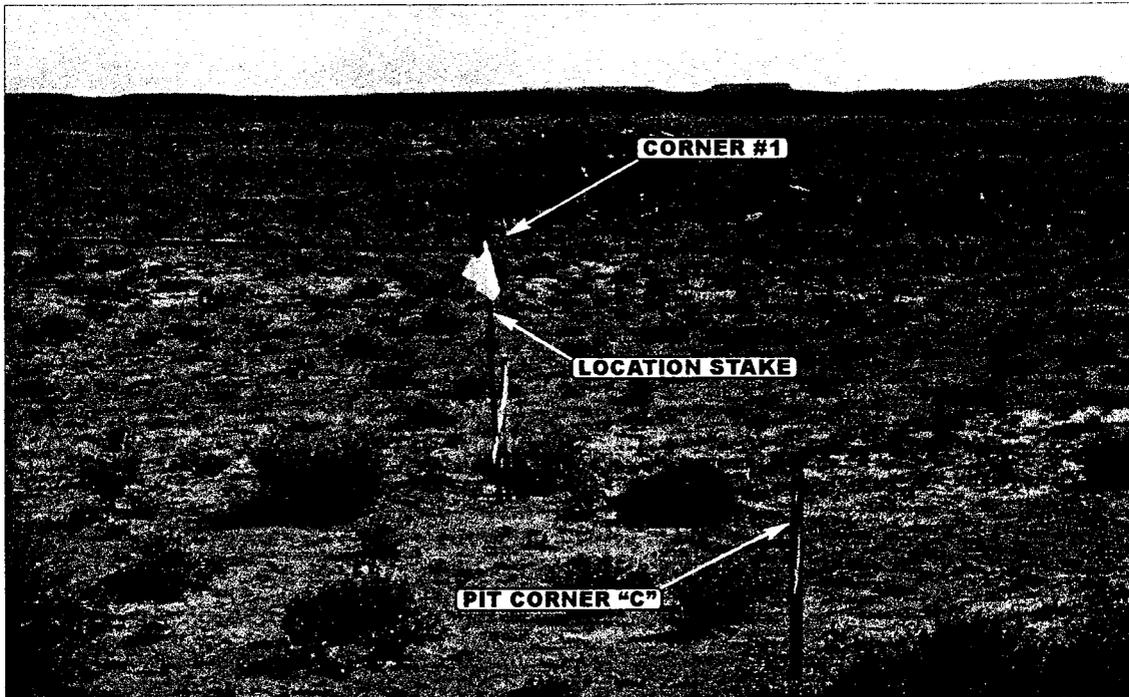


PHOTO: VIEW FROM PIT CORNER "C" TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

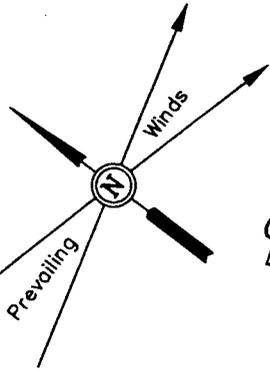
**UELS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	10	10	01	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: K.K.	DRAWN BY: P.M.	REVISED: 00-00-00		

EOG RESOURCES, INC.

LOCATION LAYOUT FOR

NATURAL COTTON #52-28  
SECTION 28, T9S, R21E, S.L.B.&M.  
1402' FNL 2004' FEL



C-9.0'  
El. 35.1'

C-5.1'  
El. 31.2'

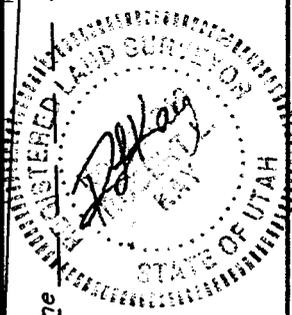
C-3.9'  
El. 30.0'

SCALE: 1" = 50'  
DATE: 10-02-01  
Drawn By: D.R.B.

Sta. 3+25

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

**NOTE:**  
Earthwork Calculations Require a Fill of 1.1' @ the Location Stake For Balance. All Fill is to be Compacted to a Minimum of 95% of the Maximum Dry Density Obtained by AASHTO Method t-99.



Approx. Top of Cut Slope

Pit T.S.

C-0.6'  
El. 26.7'

F-1.1'  
El. 25.0'

Sta. 1+50

F-1.9'  
El. 24.2'

El. 29.6' /  
C-11.5'  
(btm. pit)

F-0.2'  
El. 25.9'

Reserve Pit Backfill & Spoils Stockpile

RESERVE PITS (8' Deep)

Pit Capacity With 2' of Freeboard is ± 8,490 Bbls.

Sta. 0+12

4" Surface Pipeline (To Be Moved)

Sta. 0+00

El. 26.8' /  
C-8.7'  
(btm. pit)

El. 25.6' /  
F-0.5'

F-1.5'  
El. 24.6'

F-4.5'  
El. 21.6'

Proposed Access Road

Existing Road

Elev. Ungraded Ground at Location Stake = 4925.0'  
Elev. Graded Ground at Location Stake = 4926.1'

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

**EOG RESOURCES, INC.**

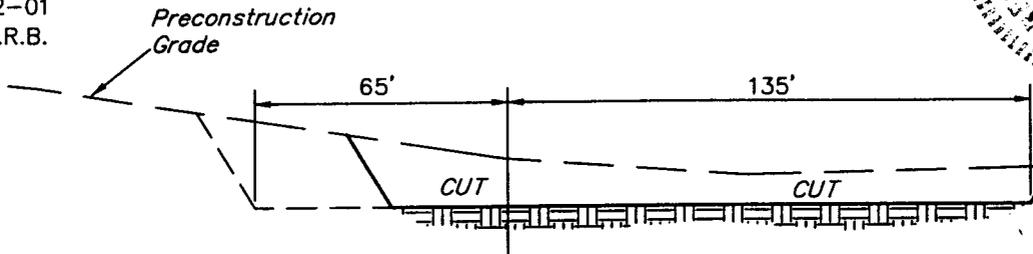
**TYPICAL CROSS SECTIONS FOR**

**NATURAL COTTON #52-28**  
**SECTION 28, T9S, R21E, S.L.B.&M.**  
**1402' FNL 2004' FEL**

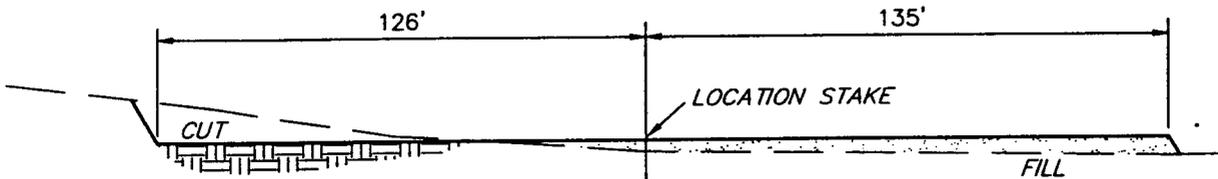


1" = 20'  
 X-Section  
 Scale  
 1" = 50'

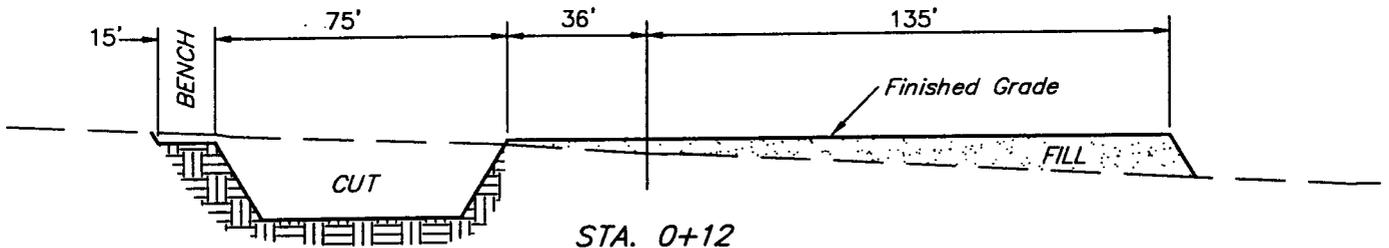
DATE: 10-02-01  
 Drawn By: D.R.B.



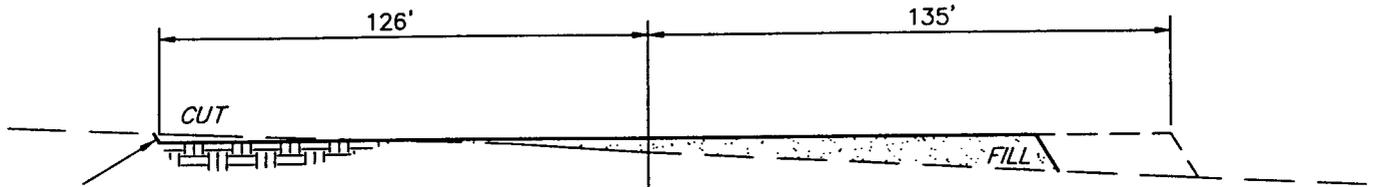
STA. 3+25



STA. 1+50



STA. 0+12



STA. 0+00

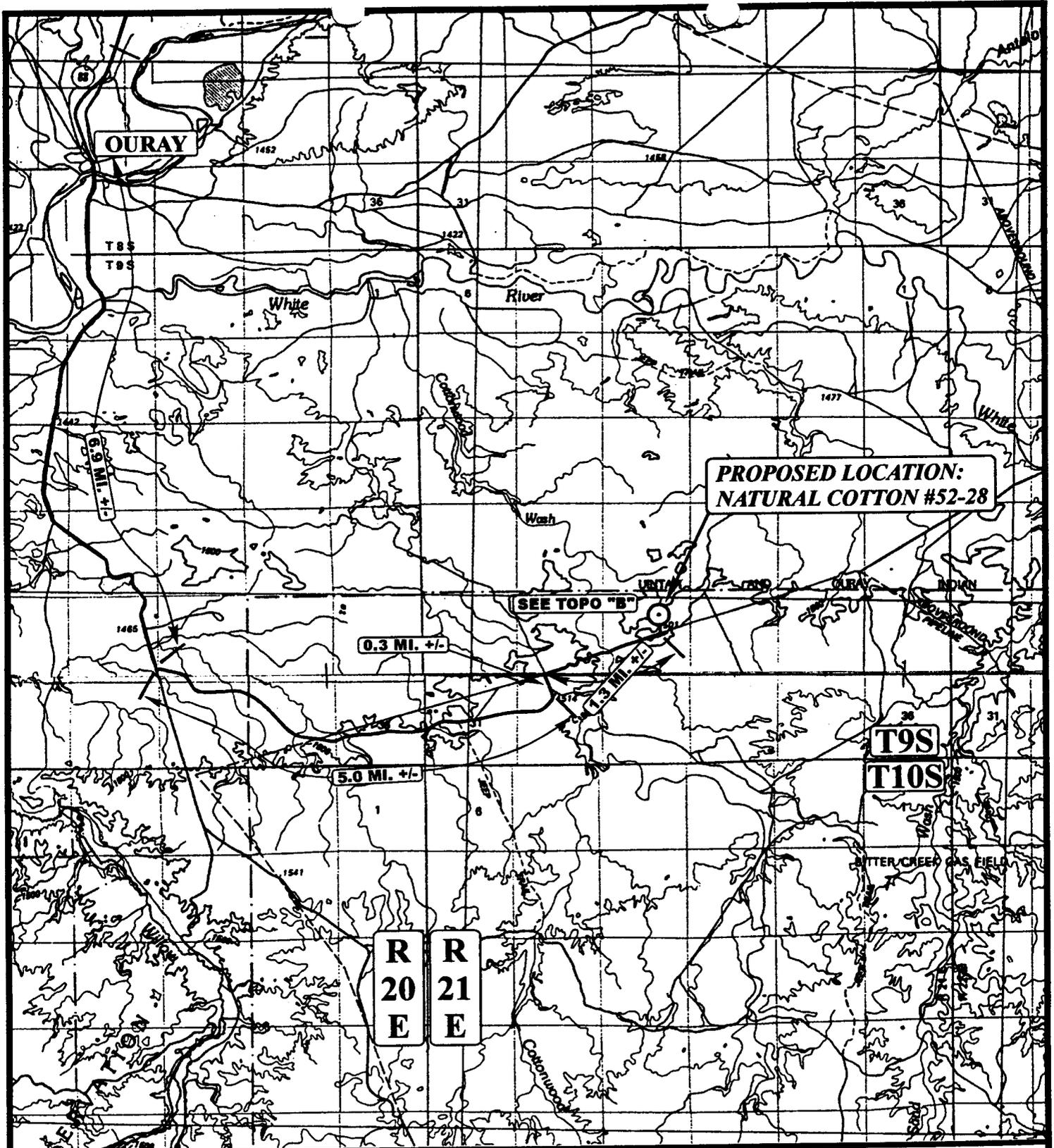
Slope = 1 1/2:1  
 (Typ.)

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping	=	1,430 Cu. Yds.
Remaining Location	=	4,410 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>5,840 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>2,980 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	=	2,700 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2,700 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

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



**PROPOSED LOCATION:  
NATURAL COTTON #52-28**

**SEE TOPO "B"**

**0.3 MI. +/-**

**5.0 MI. +/-**

**R  
20  
E**

**R  
21  
E**

**T9S  
T10S**

**BITTER CREEK GAS FIELD**

**LEGEND:**

○ PROPOSED LOCATION

**EOG RESOURCES, INC.**

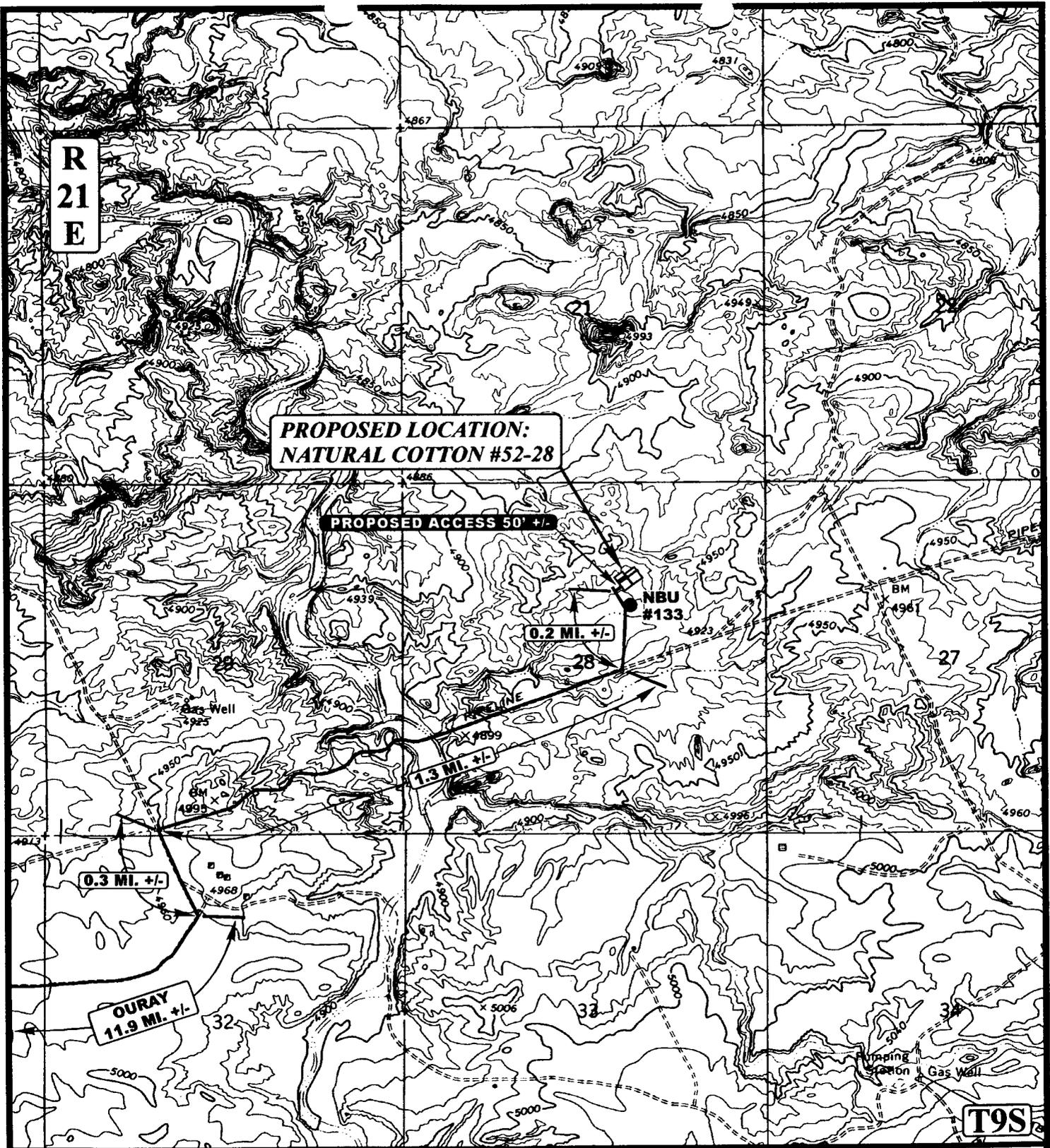
**NATURAL COTTON #52-28  
SECTION 28, T9S, R21E, S.L.B.&M.  
1402' FNL 2004' FEL**



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

**TOPOGRAPHIC** 10 10 01  
**MAP** MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 00-00-00





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



**EOG RESOURCES, INC.**

**NATURAL COTTON #52-28**  
**SECTION 28, T9S, R21E, S.L.B.&M.**  
**1402' FNL 2004' FEL**



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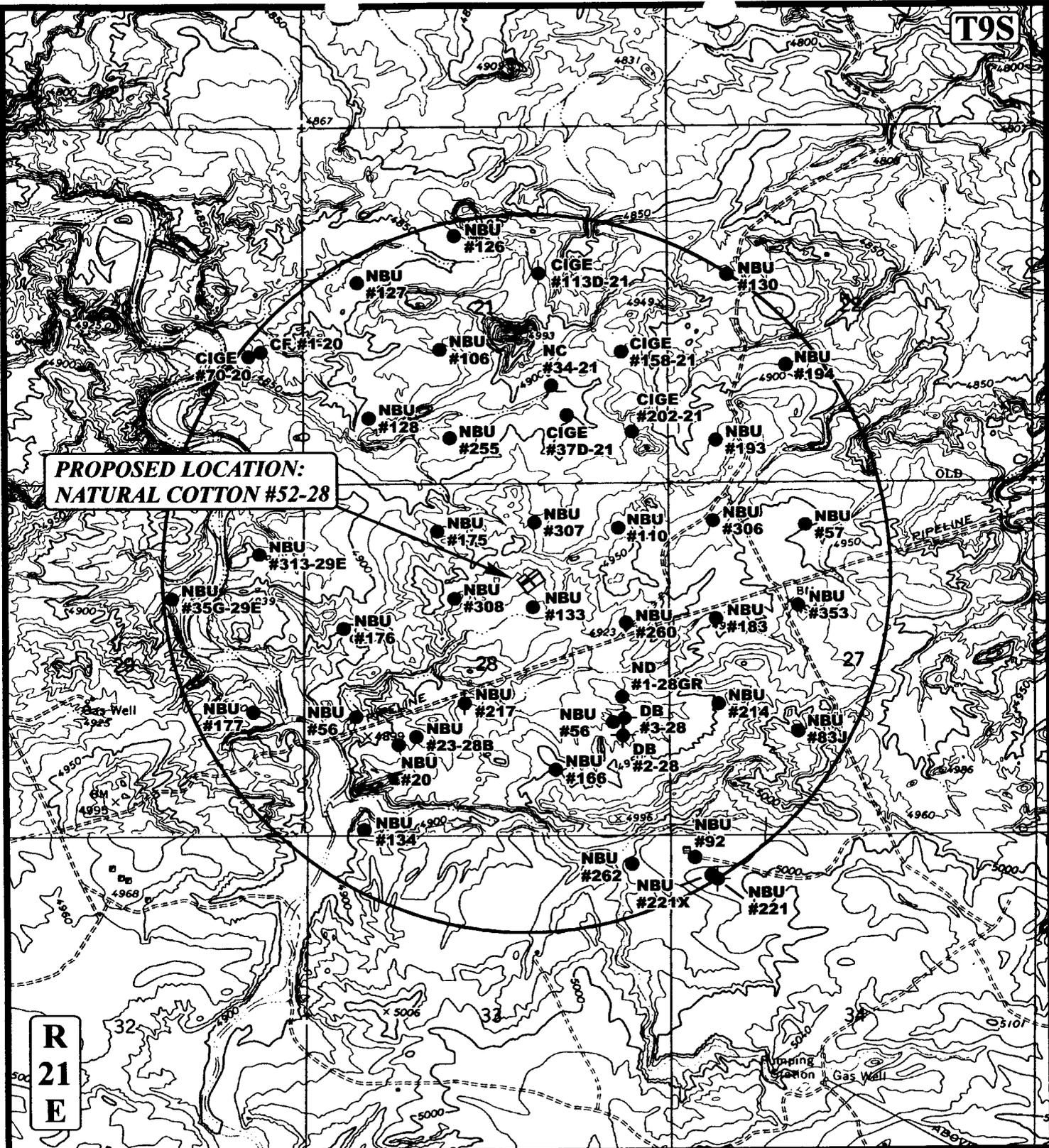
**TOPOGRAPHIC**  
**MAP**

<b>10</b>	<b>10</b>	<b>01</b>
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00

**B**  
 TOPO

T9S



R  
21  
E

**LEGEND:**

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

**EOG RESOURCES, INC.**

**NATURAL COTTON #52-28**  
**SECTION 28, T9S, R21E, S.L.B.&M.**  
**1402' FNL 2004' FEL**



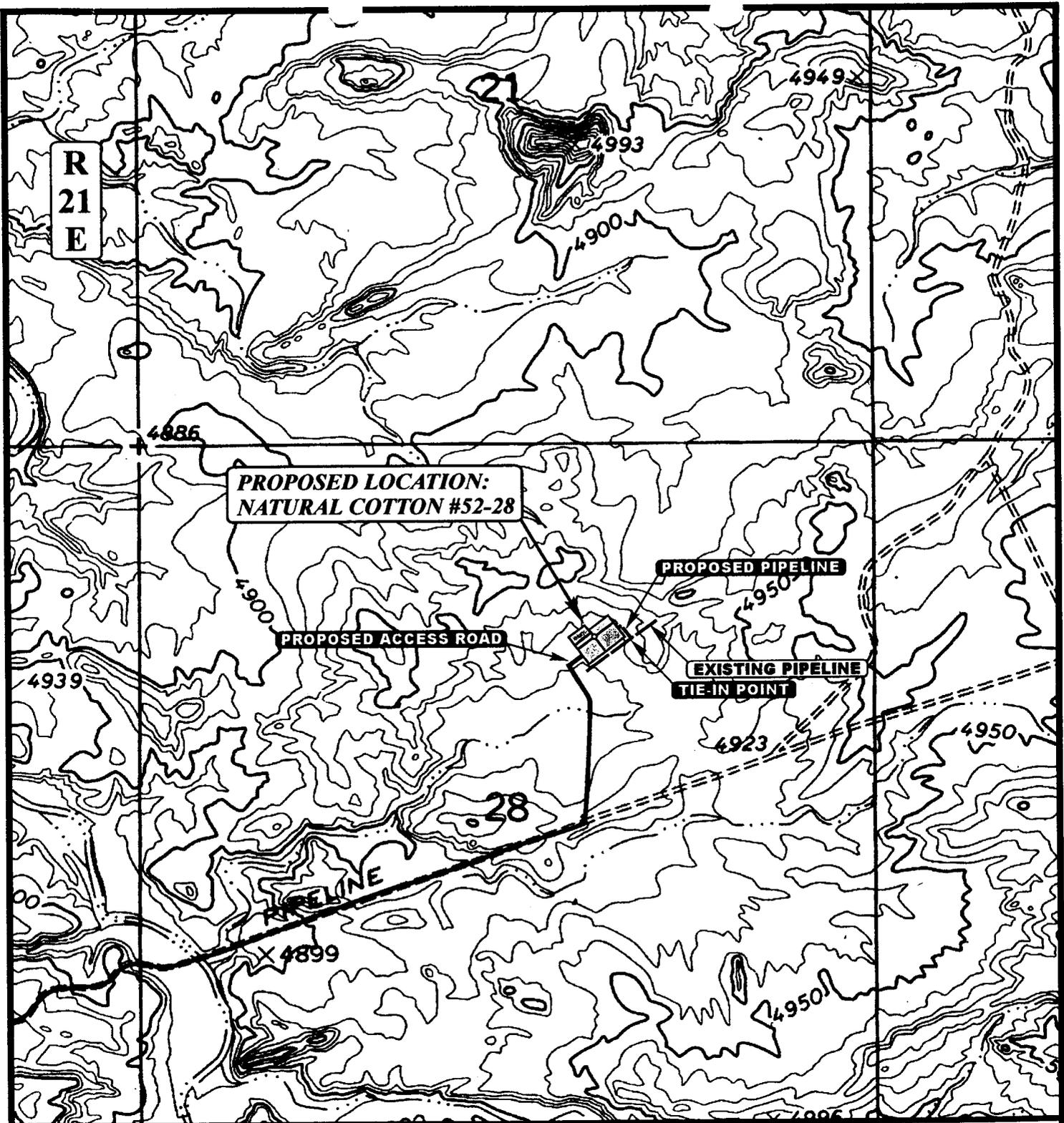
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

<b>10</b>	<b>10</b>	<b>01</b>
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 109' +/-

**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



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



**EOG RESOURCES, INC.**

**NATURAL COTTON #52-28**  
**SECTION 28, T9S, R21E, S.L.B.&M.**  
 1402' FNL 2004' FEL

**TOPOGRAPHIC** 10 | 10 | 01  
**MAP** MONTH | DAY | YEAR  
 SCALE: 1" = 1000' DRAWN BY: P.M. REVISED: 00-00-00



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/10/2001

API NO. ASSIGNED: 43-047-34420

WELL NAME: NATURAL COTTON 52-28  
OPERATOR: EOG RESOURCES INC ( N9550 )  
CONTACT: ED TROTTER, AGENT

PHONE NUMBER: 435-789-0790

PROPOSED LOCATION:

SWNE 28 090S 210E  
SURFACE: 1402 FNL 2004 FEL  
BOTTOM: 1402 FNL 2004 FEL  
UINTAH  
NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
LEASE NUMBER: U-0576  
SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. NM-2308 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 49-1501 )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)

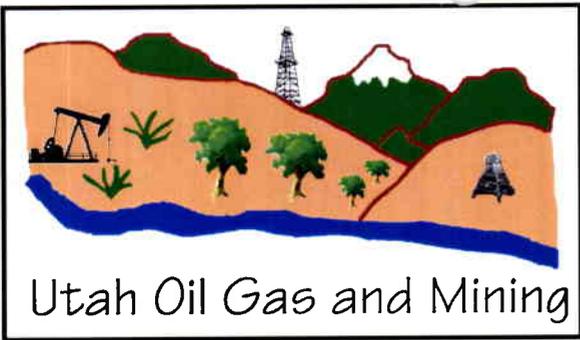
LOCATION AND SITING:

- R649-2-3. Unit
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 197-1 (160')  
Eff Date: 4-29-82  
Siting: 1000' fr. drl. Unit Boundary
- R649-3-11. Directional Drill

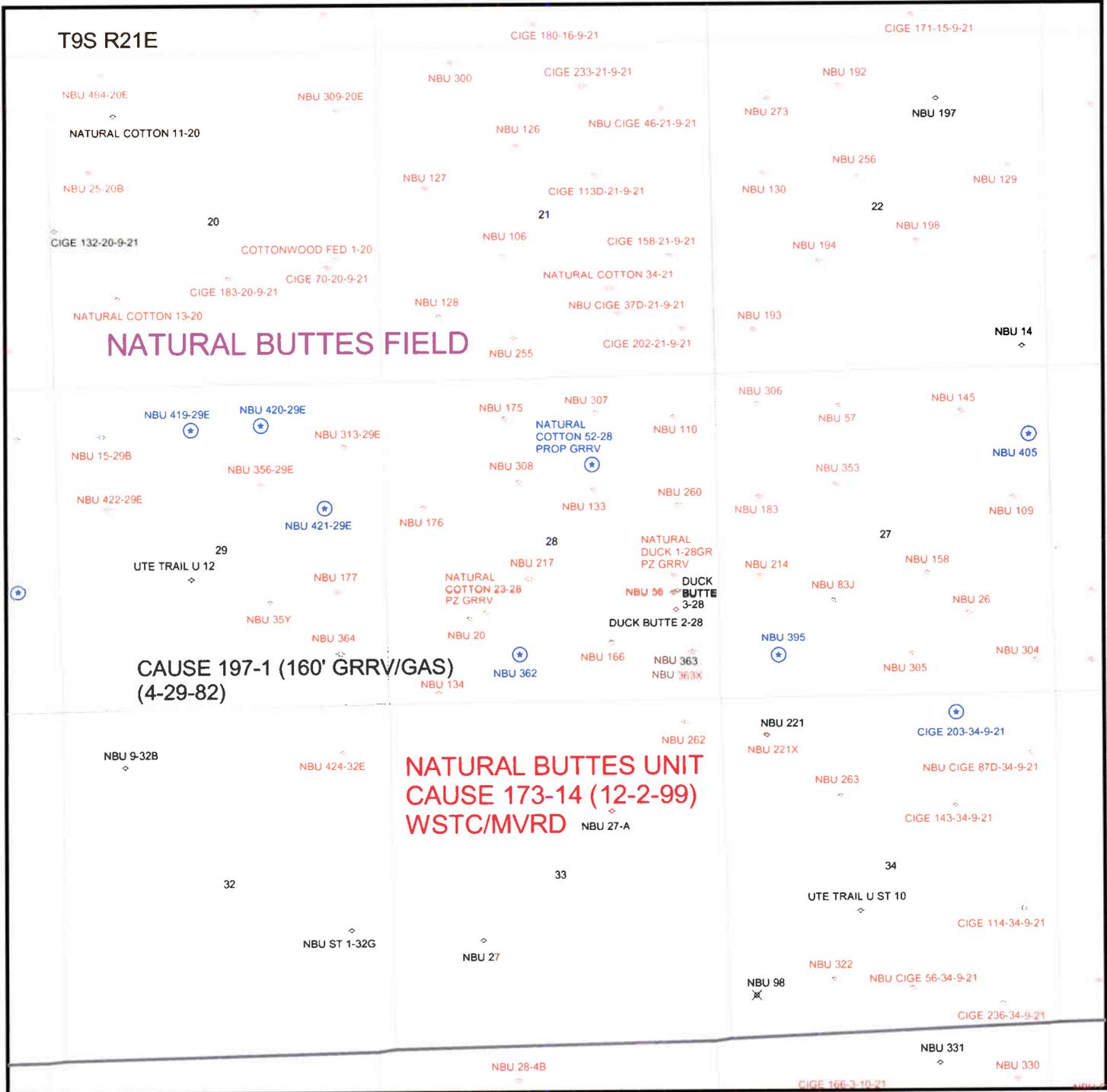
COMMENTS:

STIPULATIONS:

1- Fed. Approval  
2- Oil Shale



OPERATOR: EOG RESOURCES INC (N9550)  
 SEC. 28, T9S, R21E  
 FIELD: NATURAL BUTTES (630)  
 COUNTY: UINTAH CAUSE: 197-1 (160')



006



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)

December 11, 2001

EOG Resources, Inc.  
PO Box 1815  
Vernal, UT 84078

Re: Natural Cotton 52-28 Well, 1402' FNL, 2004' FEL, SW NE, Sec. 28, T. 9 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-047-34420.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza  
Associate Director

er

Enclosures

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

**Operator:** EOG Resources, Inc.  
**Well Name & Number** Natural Cotton 52-28  
**API Number:** 43-047-34420  
**Lease:** U 0576

**Location:** SW NE      **Sec.** 28      **T.** 9 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**

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

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

- 4.** 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.

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

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**007**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. Lease designation and serial number <b>U-0576</b>
b. TYPE OF WELL Oil <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/> Well <input type="checkbox"/> Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		6. If Indian, Allottee or Tribe name
2. Name of Operator <b>EOG RESOURCES, INC.</b>		7. Unit Agreement Name
3. Address and Telephone Number <b>P.O. BOX 1815, VERNAL, UT 84078 (435)789-0790</b>		8. Farm or lease name, well no. <b>NATURAL COTTON 52-28</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface <b>1402' FNL &amp; 2004' FEL      SW/NE      DEC 07 2001</b>		9. API Well No. <b>NATURAL COTTON 52-28</b>
14. Distance in miles and direction from nearest town or post office <b>13.71 MILES SOUTHEAST OF OURAY, UTAH</b>		10. Field and pool, or wildcat <b>Green River</b>
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. Unit line, if any) <b>1402'</b>		11. Sec., T., R., M., or BLK. and survey or area <b>SEC. 28, T9S, R21E</b>
16. No. of acres in lease <b>1480</b>		12. County or parish <b>UINTAH</b>
17. No. of acres assigned to this well		13. State <b>UTAH</b>
18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.		20. Rotary or cable tools <b>ROTARY</b>
19. Proposed depth <b>4900'</b>		22. Approx. date work will start <b>UPON APPROVAL</b>
21. Elevations (show whether DF, RT, GR, etc.) <b>4926.1 FEET GRADED GROUND</b>		

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	200' - 220'	100-150 SX CLASS "G" + 2%
or 12 1/4"	9 5/8"	32.30#	200 - 220'	CaCl2 + 1/4 #/SX CELLOFLAKE.
7 7/8"	4 1/2"	10.50#	4900'	50/50 POXMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS). LIGHT CEMENT (11PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

SEE ATTACHMENTS FOR:

- 8 POINT PLAN
- BOP SCHEMATIC
- SURFACE USE AND OPERATING PLAN
- LOCATION PLAT
- LOCATION LAYOUT
- TOPOGRAPHIC MAPS "A", "B", AND "C"
- GAS SALES PIPELINE—MAP "D"

**CONFIDENTIAL**

**RECEIVED**  
EOG RESOURCES, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND #NM 2308  
**JAN 29 2002**

Pc: UTAH DIVISION OF OIL, GAS, AND MINING

**DIVISION OF  
OIL, GAS AND MINING**

IN ABOVE SPACE 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.

SIGNED *[Signature]* TITLE Agent DATE 12-7-2001

(This space for Federal or State office use)  
**NOTICE OF APPROVAL**

**CONDITIONS OF APPROVAL ATTACHED**

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

APPROVED BY *[Signature]* TITLE Assistant Field Manager Mineral Resources DATE 01/25/2002

*DOGm*

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: EOG Resources, Inc.  
Well Name & Number: NATURAL COTTON 52-28  
API Number: 43-047-34420  
Lease Number: UTU - 0576  
Location: SWNE Sec. 28 T. 09S R. 21E  
Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application 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.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **3M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

#### 3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint. Surface casing setting depths are based on ground level elevations only.

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at 1,701 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor proof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery. All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries and tested for meter accuracy at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

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

The road shall be crowned at between 2 to 3 %.

The reserve pit shall be lined with a felt prior to lining it with a 12-mil nylon reenforced liner.

The location topsoil shall be windrowed from the reserve pit around corner 6 and down to corner 8. This topsoil will act as a natural diversion for runoff water.

See **bolded** conditions of approval within the Application to Drill.

When plowing snow during the winter months, the snow shall be plowed outside of the borrow ditches to prevent the snow melt from saturating the road during the spring.

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## DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATIONName of Company: EOG RESOURCES INCWell Name: NATURAL COTTON 52-28Api No. 43-047-34420 LEASE TYPE: FEDERALSection 28 Township 09S Range 21E County UINTAHDrilling Contractor DALL COOK'S RIG # AIR

## SPUDDED:

Date 02/05/2002Time 3:00 PMHow ROTARY

Drilling will commence \_\_\_\_\_

Reported by ED TROTTER / E-MAILTelephone # 1-435-789-4120Date 02/06/2002 Signed: CHD

009

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

OPERATOR: EOG Resources, Inc.  
ADDRESS: P.O. BOX 250  
BIG PINEY, WYOMING 83113

FAX: JIM THOMPSON  
(801) 359-3940

N9550

ENTITY ACTION FORM - FORM 6

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SEC.	TP	RG			
A	99999	13415	43-047-34419	NATURAL COTTON 24-30	SE/SW	30	9S	21E	UINTAH	1/29/2002	2-7-02
CONFIDENTIAL											
A	99999	13416	43-047-34420	NATURAL COTTON 52-28	SW/NE	28	9S	21E	UINTAH	2/5/2002	2-7-02
CONFIDENTIAL											

ACTIONS 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 existing entity
- 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 was selected.

*Katy Carlson*  
 \_\_\_\_\_  
 Signature  
 Regulatory Analyst  
 Title

2/07/2002  
 \_\_\_\_\_  
 Date

Phone No. (307) 276-4842  
 \_\_\_\_\_

(3/89)

RECEIVED

FEB 07 2002

DIVISION OF  
OIL, GAS AND MINING

Feb-07-02 12:04PM

Form-EOG - BIG PINEY, WY.

3072769335

T-066

P.01/01

F-020

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

010

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT --" for such proposals  
**SUBMIT IN TRIPLICATE**

FORM APPROVED  
Budget Br No. 1004-0135  
Expires September 30, 1990

1. Type of Well Oil <input type="checkbox"/> WELL Gas <input type="checkbox"/> Well <input checked="" type="checkbox"/> Other <input type="checkbox"/> <b>CONFIDENTIAL</b>		5. Lease Designation and Serial No. <b>U 0576</b>
2. Name of Operator <b>EOG Resources, Inc.</b>		6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. <b>P.O. BOX 250, BIG PINEY, WY 83113 (307) 276-3331</b>		7. If Unit or C.A., Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1402' FNL - 2004' FEL (SW/NE) SECTION 28, T9S, R21E</b>		8. Well Name and No. <b>NATURAL COTTON 52-28</b>
		9. API Well No. <b>43-047-34420</b>
		10. Field and Pool or Exploratory Area <b>NATURAL COTTON/GREEN RIVER</b>
		11. County State <b>UINTAH, UTAH</b>

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT	<input type="checkbox"/> ABANDONMENT
<input checked="" type="checkbox"/> SUBSEQUENT REPORT	<input type="checkbox"/> RECOMPLETION
<input type="checkbox"/> FINAL ABANDONMENT NOTICE	<input type="checkbox"/> PLUGGING BACK
	<input type="checkbox"/> CASING REPAIR
	<input type="checkbox"/> ALTERING CASING
	<input checked="" type="checkbox"/> OTHER
	<input type="checkbox"/> CHANGE OF PLANS
	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> NON-ROUTINE FRACTURING
	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> CONVERSION TO INJECTION
	SPUD DATE

(Note: Report results of multiple completion on Well Completions or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details and give pertinent dates, including estimated date of starting any proposed work if well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).

**EOG Resources, Inc. spud 12-1/4" surface hole at the subject location 2/05/2002. The contractor was Dall Cook's Air Drilling. Ed Forsman of the Vernal BLM District office and Carol Daniels of the Utah Division of Oil, Gas & Mining were notified of spud 2/05/2002.**

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FEB 10 2002  
DIVISION OF  
OIL, GAS AND MINING

**\*NOTE: EOG Resources, Inc. will be using Nationwide Bond #NM 2308**

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

SIGNED Daty Carlson TITLE Regulatory Analyst DATE 2/07/2002

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

**011 WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
U 0576

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

6. If Indian, Allottee or Tribe Name

2. Name of Operator  
EOG RESOURCES, INC.

**CONFIDENTIAL**

7. Unit or CA Agreement Name and No.

3. Address  
P.O. BOX 250, BIG PINEY, WYOMING 83113

3a. Phone No. (include area code)  
(307) 276-4842

8. Lease Name and Well No.

NATURAL COTTON 52-28

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

**CONFIDENTIAL**  
**PERIOD**  
**EXPIRED**  
**ON 5-12-03**

9. API Well No.

43-047-34420

At surface 1402' FNL - 2004' FEL (SW/NE)

10. Field and Pool, or Exploratory

NATURAL COTTON/GREEN RIVER

At top prod. interval reported below SAME

11. Sec., T., R., M., on Block and Survey  
or Area SECTION 28, T9S, R21E

At total depth SAME

12. County or Parish UTAH  
13. State UTAH

14. Date Spudded

15. Date T.D. Reached

16. Date Completed  
 D&A  Ready to Prod.  
4-13-02

17. Elevations (DF, RKB, RT, GL)\*

4925' NAT. GL.

18. Total Depth: MD 4900'  
TVD

19. Plug Back T.D.: MD 4944'  
TVD 4847'

20. Depth Bridge Plug Set: MD  
TVD

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

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

Dipole Sonic Imager, CNL/GR & CBL/VDL/GR/CCL - *N Log received, Rep.*

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24.0#	SURFACE	236'		125 sx "G"		SURFACE	NONE
7-7/8"	4-1/2" J-55	10.5#	SURFACE	4860'		250 Hi-Lift		SURFACE	NONE
						200 50/50			
						Pozmix			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	4672'							

25. Producing Intervals

26. Perforation Record

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) M-9 <i>GRV</i>	4734'	4737'		.38"	9	
B) M-5, M-6 & M-7	4580'	4640'		.38"	32	
C) M-2 & M-3	4502'	4538'		.38"	28	
D)						

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

Depth Interval	Amount and Type of Material
M-5, M-6 & M-7 4580'-4640'	20,941 gals gelled water & 11,400# 20/40 sand.
M-2 & M-3 4502'-4	24,119 gals gelled water & 63,000# 20/40 sand.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/12/2002	4/17/2002	24	<input type="checkbox"/>	17 BC	339 MCFD	64 BW			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
14/64"	650	1120	<input type="checkbox"/>	17 BC	339 MCFD	64 BW		PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

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MAY 07 2002  
DIVISION OF OIL, GAS AND MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	F	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Green River	1600'			Green River M Marker	4481'
1	3161'			Green River N Limestone	4790'
Base "M" Marker	4461'				
M-2	4481'				
M-3	4512'				
M-5	4558'				
M-7	4602'				
"N" Limestone	4771'				
Wasatch	4900'				

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

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

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

Name (please print) KATY CARLSON Title REGULATORY ANALYST

Signature  Date May 02, 2002

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires: January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**013**

5. Lease Serial No.  
u 0576

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
NATURAL COTTON 52-28

9. API Well No.  
43-047-34420

10. Field and Pool, or Exploratory Area  
NATURAL COTTON/GREEN RIVER

11. County or Parish, State  
UINTAH, UTAH

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
EOG RESOURCES, INC.

3a. Address  
P.O. BOX 250, BIG PINEY, WYOMING 83113

3b. Phone No. (include area code)  
(307) 276-4842

4. Location of Well (Footage, Sec., T, R., M., or Survey Description)  
1402' FNL - 2004' FEL (SW/NE)  
SECTION 28, T9S, R21E

**CONFIDENTIAL**

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

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

3. Describe Proposed or Completed Operation (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.)

EOG Resources, Inc. requests authorization for disposal of produced water from the referenced well to any of the following locations.

1. Natural Buttes Unit 21-20B SWD.
2. Ace Disposal
3. EOG Resources, Inc. drilling operations (Chapita Wells Unit, Natural Buttes Unit & Stagecoach Unit).
4. RN Industries.

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

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)  
KATY CARLSON

Title REGULATORY ANALYST

Signature *Katy Carlson*

Date 5/02/2002

Approved by (Signature) \_\_\_\_\_

Name (Printed/Typed) \_\_\_\_\_ Title \_\_\_\_\_

Office \_\_\_\_\_ 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.

**RECEIVED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MAY 07 2002

(Continued on next page)

**DIVISION OF  
OIL, GAS AND MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

5. Lease Serial No.  
U 0576

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

6. If Indian, Allottee or Tribe Name  
7. Unit or CA Agreement Name and No.

2. Name of Operator  
EOG RESOURCES, INC.

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8. Lease Name and Well No.  
NATURAL COTTON 52-28

3. Address  
P.O. BOX 250, BIG PINEY, WYOMING 83113

3a. Phone No. (include area code)  
(307) 276-4842

9. API Well No.  
43-047-34420

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

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 5-12-03

10. Field and Pool, or Exploratory  
NATURAL COTTON/GREEN RIVER

At surface 1402' FNL - 2004' FEL (SW/NE)

At top prod. interval reported below SAME

11. Sec., T., R., M., on Block and Survey  
or Area SECTION 28, T9S, R21E

At total depth SAME

12. County or Parish UINTAH  
13. State UTAH

14. Date Spudded

15. Date T.D. Reached

16. Date Completed

D&A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*

2/05/2002

2/14/2002

4-17-02

4925' NAT. GL.

18. Total Depth: MD 4900'  
TVD

19. Plug Back T.D.: MD-4944'  
TVD 4847'

20. Depth Bridge Plug Set: MD  
TVD

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

Calul Katy 5-8-02 - 9:15 AM  
" " " 5-28-02 - 12:50 PM

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

Dipole Sonic Imager, CNL/GR & CBL/VDL/GR/CCI

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24.0#	SURFACE	236'		125 sx "G"		SURFACE	NONE
7-7/8"	4-1/2" J-55	10.5#	SURFACE	4860'		250 Hi-Lift		SURFACE	NONE
						200 50/50			
						Pozmix			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	4672'							

25. Producing Intervals

26. Perforation Record

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) M-9 <i>GRAV</i>	4734'	4737'		.38"	9	
B) M-5, M-6 & M-7	4580'	4640'		.38"	32	
C) M-2 & M-3	4502'	4538'		.38"	28	
D)						

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

Depth Interval	Amount and Type of Material
M-5, M-6 & M-7 4580'-4640'	20,941 gals gelled water & 11,400# 20/40 sand.
M-2 & M-3 4502'-4	24,119 gals gelled water & 63,000# 20/40 sand.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/12/2002	4/17/2002	24	<input type="checkbox"/>	17 BC	339 MCFD	64 BW			FLOWING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
14/64"	650	1120	<input type="checkbox"/>	17 BC	339 MCFD	64 BW		PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

RECEIVED  
MAY 07 2002  
DIVISION OF  
OIL, GAS AND MINING

PHONE CONVERSATION DOCUMENTATION FORM

✓ Copy?

Conversation Pertains to:

<input checked="" type="checkbox"/> <b>WELL</b> NATURAL COTTON 52-28  Section 28 Township 09S Range 21E API Number 43-047-34420	<input type="checkbox"/> <b>OTHER</b>
--	---------------------------------------

**Topic of Conversation:** WELL LOGS NOT RECEIVED FOR WELL

Date of Phone Call: 5/8/2002 Time: 9:15 am

DOGME Employee (name): CAROL DANIELS ✓ Initiated Call?

Spoke with:

Name: KATY CARLSON ✓ Initiated Call?

Of (company/organization): EOG RESOURCES INC Phone: (307) 276-4842

Highlights of Conversation:

I EXPLAINED TO KATY THAT WE HAD NOT RECEIVED THE LOGS FOR THIS WELL. SHE SAID SHE WOULD TAKE CARE OF IT AND GET THE LOGS SENT TO US. THE LOGS REQUESTED WERE THE CNL/GR & CBL/VDL/GR/CCL.

ON MAY 28, 2002 AT 12:50 PM, I PLACED ANOTHER CALL TO KATY AND TOLD HER I STILL HAD NOT RECEIVED THE LOGS FOR THIS WELL. SHE SAID SHE WOULD LOOK INTO IT.

ON DECEMBER 18, 2002 AT 1:37 PM, I SENT AN E-MAIL MESSAGE TO KATY LETTING HER KNOW WE STILL HAD NOT RECEIVED THE LOGS FOR THIS WELL. I RECEIVED NO RESPONSE TO THE E-MAIL AND TO DATE HAVE NOT RECEIVED ANY OF THE LOGS.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

AMOUNTED 5/28/2002

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2004

**012 WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
U 0576

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator

**CONFIDENTIAL**

8. Lease Name and Well No.

EOG RESOURCES, INC.

NATURAL COTTON 52-28

3. Address

3a. Phone No. (include area code)

P.O. BOX 250, BIG PINEY, WYOMING 83113

(307) 276-4842

9. API Well No.

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

43-047-34420

At surface 1402' FNL - 2004' FEL (SW/NE)

At top prod. interval reported below SAME

At total depth SAME

10. Field and Pool, or Exploratory

NATURAL COTTON/GREEN RIVER

11. Sec., T., R., M., on Block and Survey or Area  
SECTION 28, T9S, R21E

12. County or Parish

UINTAH

13. State

UTAH

14. Date Spudded

2/05/2002

15. Date T.D. Reached

2/14/2002

16. Date Completed

D&A  Ready to Prod.

4/12/02

17. Elevations (DF, RKB, RT, GL)\*

4925' NAT. GL.

18. Total Depth: MD 4900'  
TVD

19. Plug Back T.D.: MD 4847'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

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

23. Casing and Liner Record (Report all strings set in well)  
*Dipole Sonic Imager, CNL/GR & CBL/VDL/GR/CCL - No Log Rec. Requested*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8" J-55	24.0#	SURFACE	236'		125 sx "G"		SURFACE	NONE
7-7/8"	4-1/2" J-55	10.5#	SURFACE	4860'		250 Hi-Lift		SURFACE	NONE
						200 50/50			
						Pozmix			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-3/8"	4672'							

25. Producing Intervals

26. Perforation Record

Formation	TOP	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) M-9	4734'	4737'		.38"	9	
B) M-5, M-6 & M-7	4580'	4640'		.38"	32	
C) M-2 & M-3	4502'	4538'		.38"	28	
D)						

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

Depth Interval	Amount and Type of Material
M-5, M-6 & M-7 4580'-4640'	20,941 gals gelled water & 11,400# 20/40 sand.
M-2 & M-3 4502'-4	24,119 gals gelled water & 63,000# 20/40 sand.

**RECEIVED**

JUN 3 2002

DIVISION OF  
OIL, GAS AND MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
4/12/200	4/17/200	24	<input type="checkbox"/>	17 BC	339 MCFD	64 BW			FLOWING
Choke Size	Tbg. Press. Flgw. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
14/64"	650	1120	<input type="checkbox"/>	17 BC	339 MCFD	64 BW		PRODUCING	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg. Press. Flgw. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			<input type="checkbox"/>						

(See instructions and spaces for additional data on next page)

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Green River	1600'			Green River M Marker	4481'
1	3161'			Green River N Limestone	4790'
Base "M" Marker	4461'				
M-2	4481'				
M-3	4512'				
M-5	4558'				
M-7	4602'				
"N" Limestone	4771'				
Wasatch	4900'				

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

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

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

Name (please print) KATY CARLSON Title REGULATORY ANALYST

Signature  Date May 02, 2002

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

014

**From:** Carol Daniels  
**To:** Kathleen Carlson@EOG Resources.com  
**Date:** 12/18/02 1:37PM  
**Subject:** LOGS NOT RECEIVED FOR WELLS COMPLETED

I have not received the following logs for the wells that have been completed:

Natural Cotton 24-30 - FDC/CNL/GR, DLL/GR - called 5/8/02  
**Natural Cotton 52-28 - DIPOLE SONIC IMAGER, CNL/GR, CBL/VDL/GR/CCL**  
Stagecoach Unit 71-8FX - CCL/CBL/GR

Thanks for your help in trying to get the logs to us.

**OPERATOR CHANGE WORKSHEET**

**X Change of Operator (Well Sold)**

Operator Name Change

Designation of Agent/Operator

Merger

**ROUTING**

- |        |
|--------|
| 1. DJJ |
| 2. CDW |

The operator of the well(s) listed below has changed, effective: **1/1/2010**

<b>FROM:</b> (Old Operator): N9550-EOG Resources 1060 E Hwy 40 Vernal, UT 84078 Phone: 1-(435) 781-9111	<b>TO:</b> ( New Operator): N2995-Kerr-McGee Oil & Gas Onshore., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
---	---

**CA No. Unit:**

WELL NAME(S)	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED SHEET								

**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: 12/24/2009
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 12/24/2009
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- 6a. (R649-9-2) Waste Management Plan has been received on: IN PLACE
- 6b. Inspections of LA PA state/fee well sites complete on: n/a
7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA n/a
8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
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: 1/31/2010
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 1/31/2010
3. Bond information entered in RBDMS on: 1/31/2010
4. Fee/State wells attached to bond in RBDMS on: 1/31/2010
5. Injection Projects to new operator in RBDMS on: n/a

**BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: WYB000291
2. Indian well(s) covered by Bond Number: n/a
3. (R649-3-1) The **NEW** operator of any state or fee well(s) listed covered by Bond Number 22013542
4. The **FORMER** operator has requested a release of liability from their bond on: n/a

**COMMENTS:**

**EOG transferred all their leases and permits in NBU and the near vicinity to Kerr-McGee effective January 1, 2010**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
Multiple Leases

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator EOG Resources, Inc		8. Well Name and No. Multiple Wells <b>13</b>
3a. Address 1060 EAST HIGHWAY 40, VERNAL, UT 84078	3b. Phone No. (include area code) 435-781-9145	9. API Well No. See Attached
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) See Attached		10. Field and Pool or Exploratory Area Natural Buttes
		11. Country or Parish, State Uintah, Utah

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. has assigned all of its right, title and interest in the wells described in the attached list ("the Subject Wells") to Kerr-McGee Oil & Gas Onshore LP and will relinquish and transfer operatorship of all of the Subject Wells to Kerr-McGee Oil & Gas Onshore LP on January 1, 2010.

As of January 1, 2010, Kerr-McGee Oil & Gas Onshore LP will be considered to be the operator of each of the Subject Wells and will be responsible under the terms and conditions of the applicable lease for the operations conducted upon the leased lands. Bond coverage is provided under Kerr-McGee Oil & Gas Onshore LP's Nationwide BLM Bond No. WYB-000291.

Kerr-McGee Oil & Gas Onshore LP  
1099 18th Street, Suite 1800  
Denver, CO 80202-1918

APPROVED 11/31/2010

By: Michael A. Nixon Date: 12/17/2009  
Michael A. Nixon  
Agent and Attorney-in-Fact

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) J. Michael Schween	Title Agent and Attorney-in-Fact
Signature	Date 12/17/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

RECEIVED

Approved by	Title	Date
	Office	DEC 24 2009

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.

DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Lease #	API #	Well Name	Footages	LEGAL DESCRIPTION
UTU0575B	4304734583	NATURAL COTTON 14-07	1070' FSL 1689' FWL	T09S-R21E-07-SWSW (Lot 4)
UTU0576	4304734584	NATURAL COTTON 32-21	1738' FNL 1750' FEL	T09S-R21E-21-SWNE
UTU0575	4304734640	NATURAL COTTON 44-17	850' FSL 750' FEL	T09S-R21E-17-SESE

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DEC 24 2009  
DIV. OF OIL, GAS & MINING

Lease #	API #	Well Name	Footages	LEGAL DESCRIPTION
UTU0575	4304731875	COTTONWOOD FEDERAL 1-20	2021' FSL 696' FEL	T09S-R21E-20-NESE
UTU0575	4304732429	NATURAL COTTON 13-20	1388' FSL 1071' FWL	T09S-R21E-20-NWSW
UTU0581	4304732427	NATURAL COTTON 23-18	1318' FSL 2818' FWL	T09S-R21E-18-SESW
UTU0576	4304732425	NATURAL COTTON 23-28	1432' FSL 1587' FWL	T09S-R21E-28-NESW
UTU0576	4304732426	NATURAL COTTON 34-21	1437' FSL 1624' FEL	T09S-R21E-21-NWSE
UTU0576	4304734420	NATURAL COTTON 52-28	1402' FNL 2004' FEL	T09S-R21E-28-SWNE
UTU0576	4304734586	NATURAL COTTON 53-28	1858' FNL 810' FWL	T09S-R21E-28-SWNW
UTU0576	4304731269	NATURAL DUCK 1-28GR	699' FEL 2035' FSL	T09S-R21E-28-NESE
UTU0577A	4304730308	NBU 12-23B	1500' FNL 660' FWL	T09S-R20E-23-SWNW
UTU0577A	4304730401	NBU 38-22B	638' FSL 1307' FEL	T09S-R20E-22-SESE

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**DEC 24 2009**

**DIV. OF OIL, GAS & MINING**



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Green River District-Vernal Field Office  
170 South 500 East  
Vernal, UT 84078  
(435) 781-4400 Fax: (435) 781-4410  
<http://www.blm.gov/ut/st/en/fo/vernal.html>



IN REPLY REFER TO:  
3162.3  
UTG011

April 12, 2010

Kathy Schneebeck Dulnoan  
Kerr McGee Oil & Gas Onshore LP  
PO Box 173779  
Denver, CO 80217-3779

Re: *43-047-34420*  
Change of Operator  
Well No. Natural Cotton 52-28  
SWNE, Sec. 28, T9S, R21E  
Uintah County, Utah  
Lease No. UTU-0576

Dear Ms. Schneebeck Dulnoan:

This correspondence is in regard to the self-certification statement submitted requesting a change of operator for the referenced well. After a review by this office, the change of operator request is approved. Effective January 1, 2010, Kerr-McGee Oil & Gas Onshore LP is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. WYB000291, for all operations conducted on the referenced well on the leased land.

If you have any questions regarding this matter, please contact Cindy Severson of this office at (435) 781-4455.

Sincerely,

Ryan Angus  
Petroleum Engineer

Enclosure

cc: UDOGM  
EOG Resources, Inc.

RECEIVED  
APR 27 2010  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
Multiple Leases

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on page 2.**

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

1. Type of Well

Oil Well     Gas Well     Other

8. Well Name and No.  
Multiple Wells

2. Name of Operator  
EOG Resources, Inc

9. API Well No.  
See Attached

3a. Address  
1060 EAST HIGHWAY 40, VERNAL, UT 84078

3b. Phone No. (include area code)  
435-781-9145

10. Field and Pool or Exploratory Area  
Natural Buttes

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

11. Country or Parish, State  
Uintah, Utah

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

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

13. Describe Proposed or Completed Operation: 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 recompleate 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 must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

EOG Resources, Inc. has assigned all of its right, title and interest in the wells described in the attached list ("the Subject Wells") to Kerr-McGee Oil & Gas Onshore LP and will relinquish and transfer operatorship of all of the Subject Wells to Kerr-McGee Oil & Gas Onshore LP on January 1, 2010.

As of January 1, 2010, Kerr-McGee Oil & Gas Onshore LP will be considered to be the operator of each of the Subject Wells and will be responsible under the terms and conditions of the applicable lease for the operations conducted upon the leased lands. Bond coverage is provided under Kerr-McGee Oil & Gas Onshore LP's Nationwide BLM Bond No. WYB-000291.

Kerr-McGee Oil & Gas Onshore LP  
1099 18th Street, Suite 1800  
Denver, CO 80202-1918

REG

DEC 22 2009

By: Michael A. Nixson Date: 12/17/2009

Michael A. Nixson  
Agent and Attorney-in-Fact

BLMVERNAL

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

Name (Printed/Typed)

J. Michael Schween

Title Agent and Attorney-in-Fact

Signature

Date 12/17/2009

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

[Signature]  
Petroleum Engineer

Date

APR 12 2010

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

VERNAL FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Lease #	API #	Well Name	Footages	LEGAL DESCRIPTION
UTU0575	4304731875	COTTONWOOD FEDERAL 1-20	2021' FSL 696' FEL	T09S-R21E-20-NESE
UTU0575	4304732429	NATURAL COTTON 13-20	1388' FSL 1071' FWL	T09S-R21E-20-NWSW
UTU0581	4304732427	NATURAL COTTON 23-18	1318' FSL 2818' FWL	T09S-R21E-18-SESW
UTU0576	4304732425	NATURAL COTTON 23-28	1432' FSL 1587' FWL	T09S-R21E-28-NESW
UTU0576	4304732426	NATURAL COTTON 34-21	1437' FSL 1624' FEL	T09S-R21E-21-NWSE
UTU0576	4304734420	NATURAL COTTON 52-28	1402' FNL 2004' FEL	T09S-R21E-28-SWNE
UTU0576	4304734586	NATURAL COTTON 53-28	1858' FNL 810' FWL	T09S-R21E-28-SWNW
UTU0576	4304731269	NATURAL DUCK 1-28GR	699' FEL 2035' FSL	T09S-R21E-28-NESE
UTU0577A	4304730308	NBU 12-23B	1500' FNL 660' FWL	T09S-R20E-23-SWNW
UTU0577A	4304730401	NBU 38-22B *	638' FSL 1307' FEL	T09S-R20E-22-SESE

\* This well is located in CA 66152, successor of operator will be handled at the BLM UT State Office, per Kaylene Gardner on 04/12/2010. *ck*

43-047-34420



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov/ut/st/en.html>

**AUG 09 2012**

IN REPLY REFER TO:

3180

UT-922100

Mr. Brett Torina  
Kerr-McGee Oil & Gas Onshore, LP  
1099 18<sup>th</sup> Street, Suite 1800  
Denver, CO 80202

Natural Cotton 52-28  
9S 21E 28

Dear Mr. Torina:

Enclosed is one approved copy of Communitization Agreement No. UTU89155. This agreement communitizes all rights as to oil, gas and associated liquid hydrocarbons producible from the Green River Formation, covering the W2W2 of Section 27, E2E2E2 of Section 28, NENENE of Section 33, and N2NWNW of Section 34, Township 9 South, Range 21 East, SLB&M, Uintah County, Utah.

This agreement conforms to the spacing set forth in Order No. 197-012 issued by the Utah Board of Oil, Gas and Mining on January 9, 2012.

This agreement is effective as of May 1, 2012. The communitized area covers 270.00 acres and includes portions of Federal oil and gas lease UTU0576.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

Office of Natural Resources Revenue Form MMS-4054, "Oil & Gas Operations Report", must be submitted for this agreement beginning with the month in which drilling operations commenced for the Maverick Federal 921-27D-HZ, located in the NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>, Section 27, Township 9 South, Range 21 East, SLB&M, Uintah County, Utah, API # 43-047-52051, on State Lease 1194-A. Form MMS-4054 is to be mailed to the Office of Natural Resources Revenue, P.O. Box 25627, Denver, Colorado 80225-0627.

RECEIVED

AUG 14 2012

DIV. OF OIL, GAS & MINING

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

FORM 6

**ENTITY ACTION FORM**

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
 Address: P.O. BOX 173779  
city DENVER  
state CO zip 80217 Phone Number: (435) 781-9758

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304734420	NATURAL COTTON 52-28		SWNE	28	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	13416	19013				1/12/2013	
Comments: <span style="float: right;">DEC 30, 2013</span>							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304731728	NBU 60		NWSW	26	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	18160	19279				2/1/2013	
Comments: <span style="float: right;">DEC 30, 2013</span>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304752050	MAVERICK 921-26B-HZ		NWNE	26	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
D	18433	19279				2/1/2013	
Comments: <span style="float: right;">DEC 30, 2013</span>							

**ACTION CODES:**

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

**RECEIVED**  
DEC 24 2013

Doreen Green

Name (Please Print)

*Doreen Green*

Signature

Regulatory Analyst

Title

12/23/2013

Date

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0576
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> MAVERICK
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NATURAL COTTON 52-28
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047344200000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6454
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1402 FNL 2004 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 28 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/6/2016</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> <b>PLUG AND ABANDON</b> <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP respectfully requests to plug and abandon the Natural Cotton 52-28 (single) well. Please see the attached procedure for details. Thank you.

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

Date: June 06, 2016  
 By: *Derek Quist*

**Please Review Attached Conditions of Approval**

<b>NAME (PLEASE PRINT)</b> Candice Barber	<b>PHONE NUMBER</b> 435 781-9749	<b>TITLE</b> HSE Representative
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/6/2016	



**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 43047344200000**

**A minimum 200' (16 sx) plug shall be spotted from 3300' to 3100' in order to isolate the base of the Parachute Creek member of the Green River formation as required by Board Order 190-5(B).**

**NATURAL COTTON 52-28  
1402' FNL & 2004' FEL  
SWNE SEC. 28, T9S, R21E  
UINTAH UT**

**KBE:** 4940' **API NUMBER:** 4304734420  
**GLE:** 4925' **LEASE NUMBER:** UTU0576  
**TD:** 4900' **LAT/LONG:** 40.010195/-109.554359  
**PBTD:** 4847'

**CASING :** 12.25' hole  
**SURFACE** 8.625" 24# J-55 @ 236'

**PRODUCTION** 7.875" hole  
 4.5" 10.5# J-55 @ 4860'  
 Est. TOC @ 1528' CBL

**PERFORATIONS:** GREEN RIVER TOP-BOTTOM 4502'-4737'

**TUBING:** 2.375" 4.7# J-55 tbg at 4776'

Tubular/Borehole	ID	Drift inches	Collapse psi	Burst psi	Capacities		
	inches				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg	1.995	1.901	8100	7700	0.1624	0.02171	0.00387
2.375" 4.7# P-110 tbg	1.995	1.901	13800	15400	0.1624	0.02171	0.00387
2.375" 4.7# L-80 tbg	1.995	1.901	11780	11200	0.1624	0.02171	0.00387
4.5" 10.5# J-55 csg	4	3.875	6350	7780	0.65282	0.08727	0.01554
8.625" 24# J-55 csg	8.921	8.765	2020	3520	3.24699	0.43406	0.07731

Annular Capacities	Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" tbg. X 4.5" csg	0.42272	0.05651	0.01006
4.5" csg. X 8.625" csg	2.42077	0.32361	0.05764
4.5" csg X 7.875 borehole	1.70406	0.2278	0.04057

**GEOLOGIC INFORMATION:**

Formation	Depth to top, ft.
Uinta	Surface
Top Green River	1586'
Top Mahogany	2375'
Base Parachute	3276'
Top Wasatch	4502'
Top Mesaverde	4502'

<http://digitallibrary.utah.gov/awweb/awarchive?type=file&item=55737>

BMSW Elevation ~4750' MSL  
 BMSW Depth ~190'

**NATURAL COTTON 52-28 PLUG & ABANDONMENT PROCEDURE**

**GENERAL**

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- BLOW DOWN BRADEN HEAD AND SURFACE CASING AS NEEDED AS PER SOP.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, 15.8ppg, YIELD 1.145 CUFT/SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID AND IS TO BE PLACED BETWEEN ALL PLUGS.
- NOTIFY APPROPRIATE AGENCY 48 HOURS BEFORE MOVING ON LOCATION.

PERTINENT WELL HISTORY: s.n. @ 4739'. ROD WELL

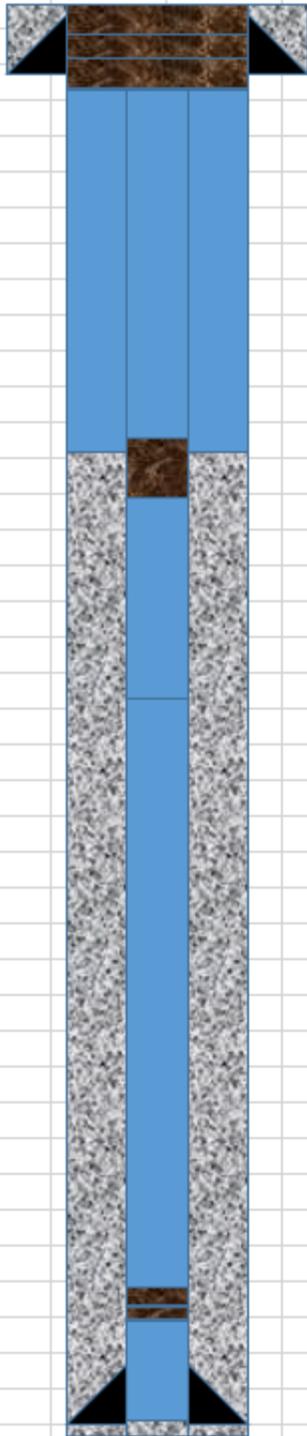
**PROCEDURE**

**Note:** Approx. **128 SXS** Class "G" cement needed for procedure & **(1) 4.5" CIBP**

**Note: NO GYRO ON RECORD.** (IF GYRO NEEDED, A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE).

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. POOH W/ TBG & L/D SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL PER FOREMAN DISCRETION.
3. ISOLATE PERFORATIONS (4737'-4502'): RIH ON WIRELINE OR TUBING W/ 4.5" CIBP. SET @ ~4452', (50' above top perf at 4502'). RELEASE CIBP, PUH 10', CIRC ENTIRE HOLE W/ TREATED FRESH WATER AND PRESSURE TEST CASING. SET A 105FT BALANCED CMT PLUG F/ 4452' to 4347'(8 SXS, 9.16 FT3, 1.64 BBLs). REVERSE CIRCULATE W/ TREATED WATER (~41.3 BBLs).
4. PROTECT GREEN RIVER (1586'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 1691' to 1481' (16 SXS, 18.32 FT3, 3.27 BBLs). REVERSE CIRCULATE W/ TREATED WATER (~21.8 BBLs).
5. PROTECT CASING SHOE (236'), BMSW (190'), AND SURFACE (101'): POOH AND RIG UP WIRELINE. RIH WITH PERF GUNS FOR PRODUCTION CASING. PERFORATE CASING AT ~290' (TOC @ ~1528'). PUMP A MINIMUM OF 290' OF CMT TILL RETURNS ARE SEEN AT SURFACE AND PRODUCTION CASING IS FULL (104 SXS, 119.16 CUFT, 21.22 BBLs)
6. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
7. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

# NATURAL COTTON 52-28



Total SXS: 128, Total CIBP: 1

<- Plug for Surface Shoe, BMSW, Surface at 290' with 104 SXS, 290'

<- Fill with 21.8 BBLS

<- TOC at 1528'

<- Plug for GreenRiver at 1586' from 1691' to 1481' with 16SXS, 210ft.

<- Fill with 41.3 BBLS

<- Mahogany at 2375'

<- Parachute Base at 3276'

<- Plug above CIBP at 4452' from 4452' to 4347' with 8SXS, 105ft.

<-CIBP Above Perfs at 4452'

<- Wasatch at 4502'

<-Top Perf at 4502'

<-PBDT at 4847'

<- Production Casing Shoe at 4860'

<-TD at 4900'

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0576	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> MAVERICK	
<b>8. WELL NAME and NUMBER:</b> NATURAL COTTON 52-28	
<b>9. API NUMBER:</b> 43047344200000	
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	
<b>COUNTY:</b> UINTAH	
<b>STATE:</b> UTAH	

**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.

<b>1. TYPE OF WELL</b> Gas Well	<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6456
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1402 FNL 2004 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 28 Township: 09.0S Range: 21.0E Meridian: S	

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/28/2016			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the NATURAL COTTON 52-28 well. Please see the operations summary report for details. Thank you.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 August 08, 2016**

<b>NAME (PLEASE PRINT)</b> Jennifer Thomas	<b>PHONE NUMBER</b> 720 929-6808	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/8/2016	

US ROCKIES REGION  
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: NATURAL COTTON 52-28					Spud date:			
Project: UTAH-UINTAH			Site: NATURAL COTTON 52-28			Rig name no.: MILES-GRAY 1/1		
Event: ABANDONMENT			Start date: 7/26/2016		End date: 7/28/2016			
Active datum: RKB @4,015.00usft (above Mean Sea Level)				UWI: NATURAL COTTON 52-28				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
7/26/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.
	7:15 - 8:00	0.75	ABANDP	30	A	P		MIRU. SPOT IN ALL EQUIP.
	8:00 - 12:20	4.33	ABANDP	39	B	P		SICP= 550#. SITP= 70#. BLOW DOWN WELL TO PRODUCTION TANK. R/D LUFKIN HYDRAULIC PUMP JACK. X/O TO ROD EQUIP. UN-SEAT PUMP. L/D POLISHED ROD, PONIES & 2 FULL 7/8" RODS. MIRU HOT OILER. FLUSH ROD STRING W/ 30BBLS HOT TMAC. POOH WHILE L/D ALL RODS AS FOLLOWS:  1- 1-1/4" X 26' SPRAY METAL POLISHED ROD. 1 - 1-1/4" X 1.00' CUSTOM POLISHED ROD SPACER 3 - 7/8" X 2' GRADE D SLK PONY 1 - 7/8" X 2' GRADE D SLK PONY 1 - 7/8" X 8' GRADE D SLK PONY 94 - 7/8" GRADE "D" SLK ROD W / SB CPLNG.2350' 89 - 3/4" GRADE "D" SLK RODS W/ SB CPLNG. 2225'. BTM 400' GUIDED W/ SNAP ON ROD GUIDES 2 PER. 4 -1-1/4" K-BARS ( WEIGHT BARS). =100' 1 - 7/8" X 2.50' STABILIZER PONY W/ 3/4" PINS. SM CPLNG. GRADE D. 2" X 1-1/4" X 20"X22"X23". THD INSERT PUMP.
12:20 - 17:00	4.67	ABANDP	31	I	P		X/O TO ROD EQUIP. NDWH. UN-LAND TBG (NOT STUCK). LAND TBG BACK ON HANGER. FUNCTION TEST BOP. NUBOP. R/U FLOOR & TBNG EQUIP. UN-LAND TBNG. REMOVE HANGER. INSTALL WASHINGTON RUBBER. MIRU SCANNERS. POOH WHILE SCAN TBNG. SCANNER BROKE DOWN +/- 1HR. CONT POOH WHILE SCANNING 151TOTAL JTS 2-3/8" J-55 TBNG + ROD PUMP BHA. L/D ALL TBNG AS SINGLES FOR BETTER INSPECTION. SCAN RESULTS AS FOLLOWS:  Y-BND = 132JTS. 4187' R-BND = 19JTS. 602'  RDMO SCANNERS. SWIFN. LOCK RAMS. SDFN.	
7/27/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.
	7:15 - 9:00	1.75	ABANDP	30		P		PERFORM MAINTENANCE ON SERVICE RIG.
	9:00 - 11:00	2.00	ABANDP	31	G	P		SICP= 0#. MIRU HOT OILER. PUMP 30BBLS HOT TMAC DOWN 4-1/2" CSNG. P/U & RIH W/ 4-1/2" WEATHERFORD CIBP + 140JTS 2-3/8" J-55 TBNG. SET CIBP @ 4466'. PUH 10'.
	11:00 - 12:30	1.50	ABANDP	31	H	P		R/U HOT OILER. BREAK CONV CIRC W/ HOT TMAC. CIRC WELLBORE W/ 120BBLS HOT TMAC UNTIL RETURNS WERE CLEAN, OIL FREE & GAS FREE.
	12:30 - 12:40	0.17	ABANDP	52	F	P		PRESSURE TEST 4-1/2" PRODUCTION CSNG & 4-1/2" CIBP GOOD @ 500#. LOST 0# IN 5MIN.

US ROCKIES REGION  
Operation Summary Report

Well: NATURAL COTTON 52-28

Spud date:

Project: UTAH-UINTAH

Site: NATURAL COTTON 52-28

Rig name no.: MILES-GRAY 1/1

Event: ABANDONMENT

Start date: 7/26/2016

End date: 7/28/2016

Active datum: RKB @4,015.00usft (above Mean Sea Level)

UWI: NATURAL COTTON 52-28

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	12:40 - 15:00	2.33	ABANDP	46				WAITING ON CMT CREW. COULD NOT GET TO US UNTIL AROUND 5:00 PM. SWIFN. SDFN.
								NOTE: P&A WITNESSED BY GLADE RICH W/ BLM. SAFETY = JSA.
7/28/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		0# ON WELL. MIRU CMT CREW. ALL CMT PUMPED @ 15.8# AND IS G CMT. POOH WHILE PUMPING CMT PLUGS AS FOLLOWS:
	7:15 - 9:30	2.25	ABANDP	51	D	P		#1. CIBP @ 4466'. EOT @4456'. PUMP 2.7BBL FRESH WATER. PUMP 10SX CMT. DISPLACE W/ 1BBL FRESH & 15.7BBLS TMAC. PUH TBNG.
								#2. EOT @ 3300'. FILL HOLE W/ 3.5BBLS TMAC. PUMP 2.7BBL FRESH WATER. PUMP 18SX CMT. DISPLACE W/ 1BBL FRESH & 10.7BBLS TMAC. PUH TBNG.
								#3. EOT @1691'. FILL HOLE W/ 3BBLS TMAC. PUMP 2.7BBL FRESH WATER. PUMP 18SX CMT. DISPLACE W/ 1BBL FRESH & 4.5BBLS TMAC. POOH ALL TBNG.
	9:30 - 11:35	2.08	ABANDP	34	H	P		MIRU WIRELINE. P/U & RIH W/ 4HOLE X 1' CSNG SQZ GUN. PERF 4-1/2" CSNG @ 290'. POOH E-LINE. EST INJECTION RATE THRU SQZ HOLES OF 2.7BPM @ 110#. PUMPED 4.5BBLS TMAC & HAD RETURNS @ SURFACE. RDMO WIRELINE.
	11:35 - 12:00	0.42	ABANDP	51	D	P		R/D FLOOR & TBG EQUIP. NDBOP. INSTALL TBNG HANGER W/ BULL PLUG. R/U CMT CREW.
								PUMP 8BBL FRESH WATER & EST INJECTION RATE DOWN 4-1/2" CSNG & UP 8-5/8" CSNG. PUMP 125SX CMT.
	12:00 - 13:00	1.00	ABANDP	30	C	P		RDMO SERVICE RIG. ROAD TO NBU 214.
	13:00 - 13:30	0.50	ABANDP	53	B	P		MIRU ROUSTABOUT CREW. EXPOSE WELLHEAD. CUT & LOWER WELLHEAD.
	13:30 - 14:00	0.50	ABANDP	51	D	P		R/U CMT. MIX & PUMP 42SX CMT. FILL 4-1/2" CSNG & 4-1/2" X 8-5/8" ANNULUS. CMT STAYED FULL. INSTALL MARKER PLATE. BACKFILL WELLHEAD.
								NOTE: GLADE RICH W/ BLM ON LOCATION TO WITNESS P&A.
								WELLHEAD COORDINATES:
								LAT: 40.010195
								LONG: -109.554359