

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPECTED SURVEY REPORT Jctd

DATE FILED **8-8-91**
 LAND FEE & PATENTED STATE LEASE NO PUBLIC LEASE NO INDIAN **14-20-603-239A**

DRIILLING APPROVED **8-12-91**
 SPUDDED IN

COMPLETED PUT TO PRODUCING
 INITIAL PRODUCTION

GRAVITY API
 GOR

PRODUCING ZONES
 TOTAL DEPTH

WELL ELEVATION
 DATE ABANDONED **JA 11-7-94**

FIELD **GOTHIC MESA**
 UNIT **GOTHIC MESA**

COUNTY **SAN JUAN**
 WELL NO **GOTHIC MESA UNIT #6-14** API NO. **43-037-31644**

LOCATION **1065' FSL** FT FROM (N) (S) LINE **1030' FWL** FT FROM (E) (W) LINE **SW SW** 1/4 - 1/4 SEC **6**

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
41S	23E	6	GIANT EXPL & PROD CO				



GIANT EXPLORATION AND
PRODUCTION COMPANY

P O Box 2810
Farmington New Mexico
87499

505
326-3325

August 2, 1991

State of Utah
Division of Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

ATTENTION: Tami Searing

REFERENCE: Gothic Mesa Unit No. 6-14
Section 6, T41S, R23E, SLM
San Juan County, Utah

Gothic Mesa Unit No. 6-43

Gothic Mesa Unit No. 8-23
Section 8, T41S, R23E, SLM
San Juan County, Utah

Gothic Mesa Unit No. 8-32

Dear Ms. Searing:

Please find enclosed copies of the Application for Permit to Drill for the above referenced Desert Creek/Ismay wells.

If you should require additional information, please do not hesitate to call.

Sincerely,

GIANT EXPLORATION & PRODUCTION COMPANY

John C. Corbett
Executive Vice President

:tfh

Enclosures

RECEIVED

AUG 08 1991

DIVISION OF
OIL GAS & MINING



GIANT EXPLORATION AND
PRODUCTION COMPANY

P.O. Box 2810
Farmington, New Mexico
87401

505
326 3325

June 14, 1991

Bureau of Land Management
1235 La Plata Highway
Farmington, New Mexico 87401

ATTENTION: Mr. Ron Fellows
Area Manager

REFERENCE: Gothic Mesa Unit Well No 6-14
1060' PSL and 1035' FWL
Section 6, T41S, R23E, SLM
San Juan County, Utah

Dear Mr. Fellows:

Giant Exploration & Production Company proposes to drill the referenced Desert Creek/Isroy oil well. Our application is enclosed. We hope to begin operations as soon as possible.

Thank you for your assistance.

Sincerely,

GIANT EXPLORATION & PRODUCTION COMPANY

John C. Corbett
Executive Vice President

:dh

Enclosures

RECEIVED

AUG 08 1991

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

2. TYPE OF WELL
 OIL WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

3. NAME OF OPERATOR
 Giant Exploration & Production Company

4. ADDRESS OF OPERATOR
 P.O. Box 2810, Farmington, NM 87499

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface: 1065' FSL and 1030' FWL
 At proposed prod. zone: Section 6, T41S, R23E, 5LM

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE
 7.2 miles southwest of Montezuma Creek, Utah

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)
 290'

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.
 0

9. ELEVATION (Show whether DE, RE, GR, etc.)
 GLE 4800'

10. LEASE DESIGNATION AND SERIAL NO.
 14-23-603-239A

11. IF FEDERAL, ALLOTTEE OR TRUST NAME

12. UNIT AGREEMENT NAME
 Gothic Mesa Unit

13. FARM OR LEASE NAME

14. WELL NO.
 6-14

15. FIELD AND TOWN, OR WILDCAT
 Gothic Mesa 355

16. SEC., T., R., S. OF WELL AND SURVEY OR AREA
 Sec. 6, T41S, R23E, 5LM

17. COUNTY OR PARISH 18. STATE
 San Juan Utah

19. ADDRESS WHERE WORK WILL START
 As soon as permitted

20. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	69'	90 sks (106.2 cu ft)
11"	8-5/8"	24#	1830'	Lead 300 sks (696 cu ft)
7-7/8"	5-1/2"	17#	5825'	Tail 200 sks (236 cu ft) Lead 270 sks (626 cu ft) Tail 250 sks (295 cu ft)

Giant Exploration & Production Company proposes to drill the referenced Gothic Mesa oil well. Please see attached for a description of the proposed activities.

Due to the rugged topography of the area, this well has been staked in a non-productive location.

RECEIVED

AUG 08 1991

DIVISION OF
OIL GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 John C. Corbatt TITLE Executive Vice President DATE June 14, 1991
 (This space for Federal or State use)

PERMIT NO. 43-037-31644 APPROVAL DATE _____ APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

APPROVED BY _____ TITLE _____ DATE: 8/14/91
 BY: [Signature]

CONDITIONS OF APPROVAL, IF ANY: _____ WELL SPACING: R615-2-3

*See Instructions On Reverse Side

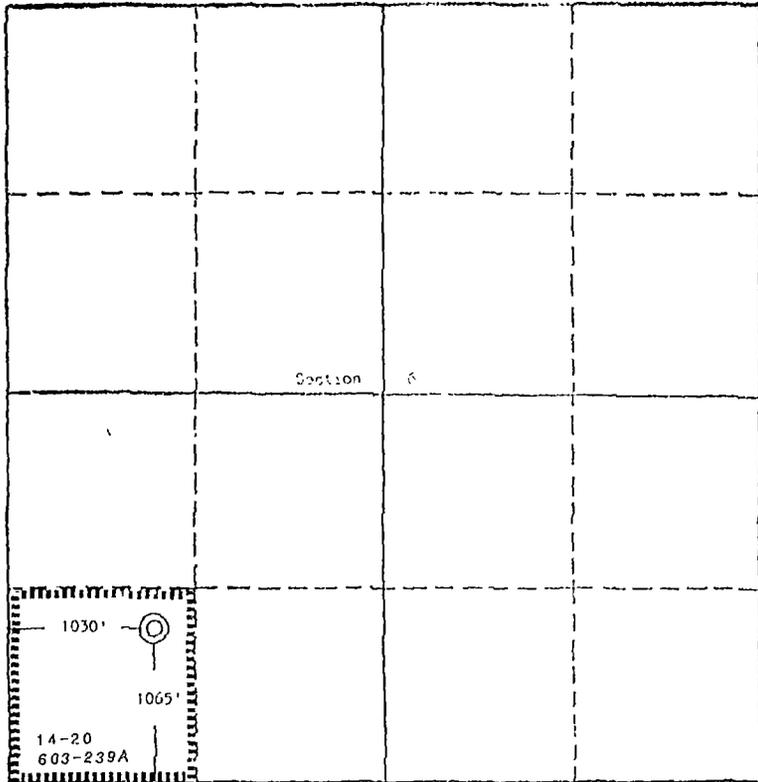
Company Giant Exploration & Production Company

Well Name & No. Gothic Mesa Unit #6-11

Location 1065' F/SL 1030' F/11

Sec. 6, T. 41 S, R. 23 E., S. L. M., County San Juan, Utah

Ground Elevation 1800



Scale, 1 inch = 1,000 feet

Surveyed May 23, 1991

This is to certify that the above plot was prepared from field notes of actual surveys made by me or under my supervision and that it is same or true and correct to the best of my knowledge and belief

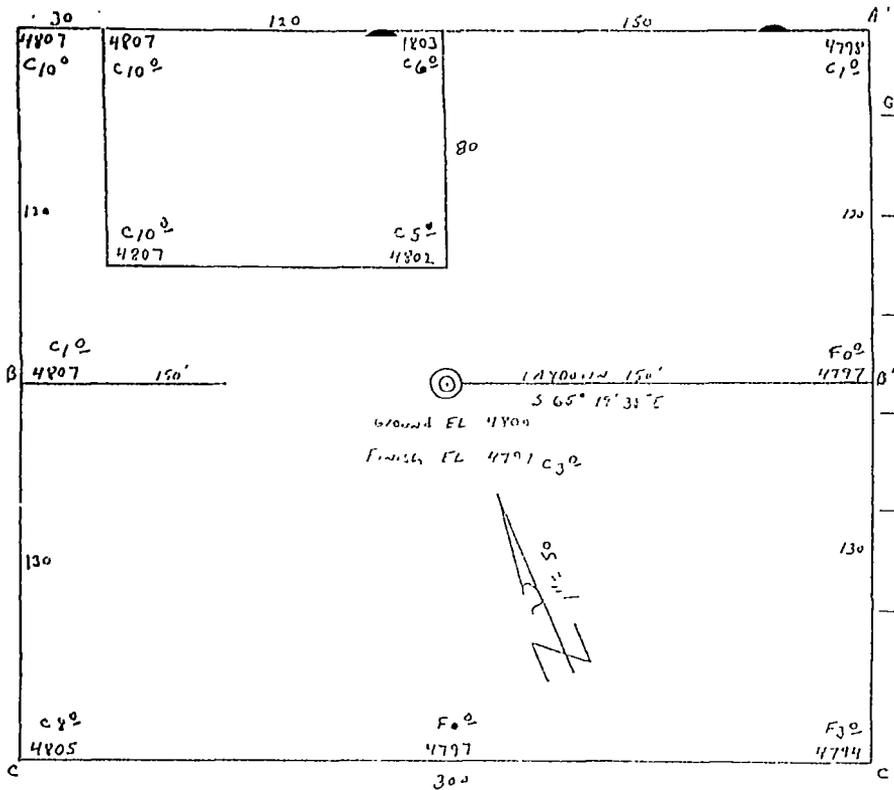
Seal



Edger L. Risenhoover

Edger L. Risenhoover
Registered Land Surveyor
New Mexico Reg. No. 5979

Non-resident certification as
authorized by Utah State law
52-12-11.6



Giant Exploration & Production
 OPERATOR

Gothic Mesa Unit #6-14
 WELL NAME and NUMBER

1065' F/SL 1030' F/WL
 FOOTAGES

6 41S 23E
 SEC. TWP. RCL.

San Juan, Utah
 COUNTY STATE

May 28, 1991
 DATE

A	4810				
	4800				4797
	4790				
A'					

SCALE
 Horiz. 1" = 60'
 Vert. 1" = 30'

B	4810				
	4800				4797
	4790				
B'					

C	4810				
	4800				4797
	4790				
C'					

APPLICATION FOR PERMIT TO DRILL
GIANT EXPLORATION & PRODUCTION COMPANY
DESERT CREEK/ISMAV
GOTHIC MESA UNIT WELL NO. 6-14
1060' FSL AND 1035' FWL
SECTION 6, T41S, R23E SLM
SAN JUAN COUNTY, UTAH

Onshore Oil and Gas Order No. 1 requirements as follows:

G.3. Form 3160-3, formerly 9-331C. See attached.

A & B. A location plat showing elevation is attached.

C. Type of Drilling Tools is shown on Form 3160-3.

D. Proposed Casing Program:

Surface Casing will be 60' of 13-3/8", 48#, 8rd, H-40, ST&C, cemented to a surface in a 17-1/2" hole.

Intermediate Casing will be 1800' of 8-5/8", 24#, 8rd, J-55, ST&C, cemented to surface in a 11" hole.

Production Casing will be 5825' of 5-1/2", 17#, 8rd, J-55, ST&C, cemented to 1760' in a 7-7/8" hole.

E. Proposed Cementing Program:

Surface Casing will be cemented to surface as follows. (1) break circulation with water; (2) pump 20 Bbls of chemical wash; (3) pump 90 sacks (106.2 cu ft) Class "G" cement containing 2% CaCl and 1/4#/sk cellophane flakes; (4) drop rubber cement wiper plug and displace to float collar; (5) WOC 12 hours

Intermediate Casing will be cemented to surface as follows. (1) break circulation with water; (2) pump 20 Bbls of chemical wash; (3) pump 300 sacks (696 cu ft) of Class "G" cement containing 16% bentonite, 3% salt, 0.4% dispersant and 1/4#/sk cellophane flakes, followed by 200 sacks (236 cu ft) of Class "B" containing 2% CaCl and 1/4#/sk cellophane flakes, (4) drop rubber cement wiper plug and displace to float collar; (5) WOC 12 hours.

Production Casing will be cemented to 1760' as follows. (1) break circulation with water; (2) pump 20 Bbls of chemical wash; (3) pump 270 sacks (626 cu ft) Class "G" cement containing 16% bentonite, 3% salt, 0.6% dispersant and 1/4#/sk cellophane flakes, followed by 250 sacks (295 cu ft) of Class

APPLICATION FOR PERMIT TO DRILL
GIANT EXPLORATION & PRODUCTION COMPANY
DESERT CREEK/ISMAV
GOTHIC MESA UNIT WELL NO. 6-14
1060' FSL AND 1035' FWL
SECTION 6, T41S, R23E SLM
SAN JUAN COUNTY, UTAH
PAGE 2

"B" cement containing 3% CaCl₂, 0.3% dispersant, 0.8% fluid loss additive, and 1/4#/sk cellophane flakes; (4) drop rubber cement wiper plug and displace to float collar; (5) WOC 12 hours.

F. Duration of Operation will be approximately 15 days commencing as soon as permitted.

G.4. Proposed Drilling Program:

1. Estimated Tops of Geologic Markers:

Wingate	1145'
Chinle	1530'
Shinarump	2245'
Moenkopi	2300'
Organ Rock	2670'
Cutler	3500'
Hermosa	4530'
Ismay	5440'
Gothic Shale	5620'
Desert Creek	5660'
Chimney Rock	5760'
Akah	5785'
Akah Salt	5815'

2. Anticipated Water, Oil and Gas:

Fresh Water - Any water zones encountered will be cemented.

Oil and Gas - All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control - BOP's to be used are detailed in the attached diagram.

4. Mud Program:

Surface: 0-60'; drill 17-1/2" hole with water treated with polymer/gel and lime (spud mud).

Intermediate: 60'-1800'; drill 11" hole with water treated with polymer/gel and lime. Sweep hole at intervals with gel-lime pills to clean hole. Control lost circulation with gel-LCM pills. Control seepage with Mud-Seal

APPLICATION FOR PERMIT TO DRILL
GIANT EXPLORATION & PRODUCTION COMPANY
DESERT CREEK/ISMAY
GOTHIC MESA UNIT WELL NO. 6-14
1060' FSL AND 1035' FWL
SECTION 6, T41S, R23E SLM
SAN JUAN COUNTY, UTAH
PAGE 3

ard fine mica.

Production Hole: 1800'-TD; drill 7-7/8" hole with water treated with polymer and lime from about 4000' to 4200'. Mud up at any point if water flows or hole problems are encountered. If no problems, begin mudding up about 200' above Hermosa. Build mud weight to 9-9.6 #/gallon and viscosity 34-40 sec/qt. Pretreat mud 50' above Ismay or prior to anhydrites, with caustic, soda ash and dispersant.

Raise pH to 12 and lower water loss to 10-12 cc. Maintain this system to TD. Build mud weight to 9.6 #/gallon before the Lower Desert Creek, or to a mud weight sufficient to handle any abnormal pressures. Sweep and clean hole to log with 40-45 sec/qt. mud.

5. Testing, Logging and Coring -

This well will be evaluated on the basis of Induction Electric Survey, Gamma Ray, Compensated Density-Neutron and Caliper surveys. Cased hole logs will consist of CCL and Cement Bond Logs and Gamma Ray.

6. Drilling Problems -

Bottom hole pressure gradient is 8.89 #/gal - .462 psi/ft. Fracture gradient is 13.5 #/gal - .7 psi/ft. We will prepare for drilling problems by controlling solids and mud weight.

B. Surface Use Program - Please see attached map.

1. Existing Roads - Proposed location is situated within existing road system accessed by Utah State Highway 262 from Montezuma Creek, Utah. Roads will be maintained in the same or better condition than presently exists.

To reach proposed location from Montezuma Creek, Utah go south on paved road for 1.1 miles to the Texaco Plant that is on the right hand (west) side of road. Continue south,

APPLICATION FOR PERMIT TO DRILL
GIANT EXPLORATION & PRODUCTION COMPANY
DESERT CREEK/ISMAV
GOTHIC MESA UNIT WELL NO. 6-14
1060' FSL AND 1035' FWL
SECTION 6, T41S, R23E SLM
SAN JUAN COUNTY, UTAH
PAGE 4

paved road turns into dirt and is designated N-5064 road. Travel N-5064 road for 1.5 miles to "T" intersection. At intersection there is a stack of rocks. Turn right on to designated road N-5063 and travel 6.5 miles on main road. Will pass by Giant Exploration & Production's Gothic Mesa Unit 17-31 location then go up hill. At the top road will "Y" turn right and travel 1 mile on main lease road to where road "Y"s. Stay to the left and travel 3/10 mile to Giant Exploration & Production's Gothic Mesa Unit 58A Tank Battery. Take existing road that is on the east side of the house and travel in a Northwest direction for 3/10 of a mile road will "Y". Stay to the right and travel on the main lease road past Giant Exploration & Production's Gothic Mesa Unit 6-34 for 3/10 mile road will "Y" turn to the left and travel 3/10 mile into proposed location on the left hand side of lease road.

2. Planned Access Roads - There will be no new roads planned for this proposed location.
3. Location of Existing Wells - All wells within a one mile radius are shown on the attached map.
4. Production Facilities - Oil storage facilities will be located at the Gothic Mesa Unit Tank Battery. A pipeline will be installed consisting of 1300' of 3" plastic coated linepipe buried 36" below ground level.
5. Location and Type of Water Supply - All water needed for drilling purposes will be obtained from an underground water well located at Giant Exploration & Production Company's Gothic Mesa Unit Tank Battery.
6. Construction Materials - No construction materials will be hauled to the location.
- 7.a. Methods of Handling Waste Disposal - Any waste material incurred while drilling will be buried in the mud pits, i.e. 5' deep. Cuttings, drilling fluid, well circulation and

APPLICATION FOR PERMIT TO DRILL
GIANT EXPLORATION & PRODUCTION COMPANY
DESERT CREEK/ISMAY
GOTHIC MESA UNIT WEL, NO. 6-14
1060' FSL AND 1035' FWL
SECTION 6, T41S, R23E SLM
SAN JUAN COUNTY, UTAH
PAGE 5

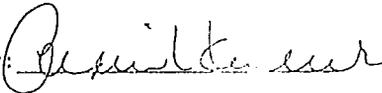
stimulation fluids (if any) will be contained in the mud pits. The mud pits will be allowed to dehydrate, and will be filled and contoured per regulations. Well site will be properly cleaned up, and pits will be fenced on three sides and the fourth will be fenced after rigging down.

- b. All garbage and trash will be placed in a wire cage. The cage will be removed from location after completion of the well.
- c. Chemical toilets will be provided and maintained during drilling operations.
- 8. Ancillary Facilities - No new facilities will be constructed.
- 9. Wellsite Layout - Refer to attached plat and cross sections. The pit will be unlined.
- 10. Plans for Reclamation of the Surface - The area will be raked and waste materials buried 5' deep. The pit will be filled and the location contoured. Revegetation will be carried out per stipulations.
- 11. Surface Ownership - The surface is Navajo Tribal Trust.
- 12. Other Information - Archaeological clearance, topography, soil character and biota are detailed in the archaeological report forwarded by a contract archaeologist to the Bureau of Land Management.
- 13. Giant Exploration & Production Company's representative is:

Tap Harris
2200 Bloomfield Highway
Farmington, New Mexico 87401
(505) 326-3325

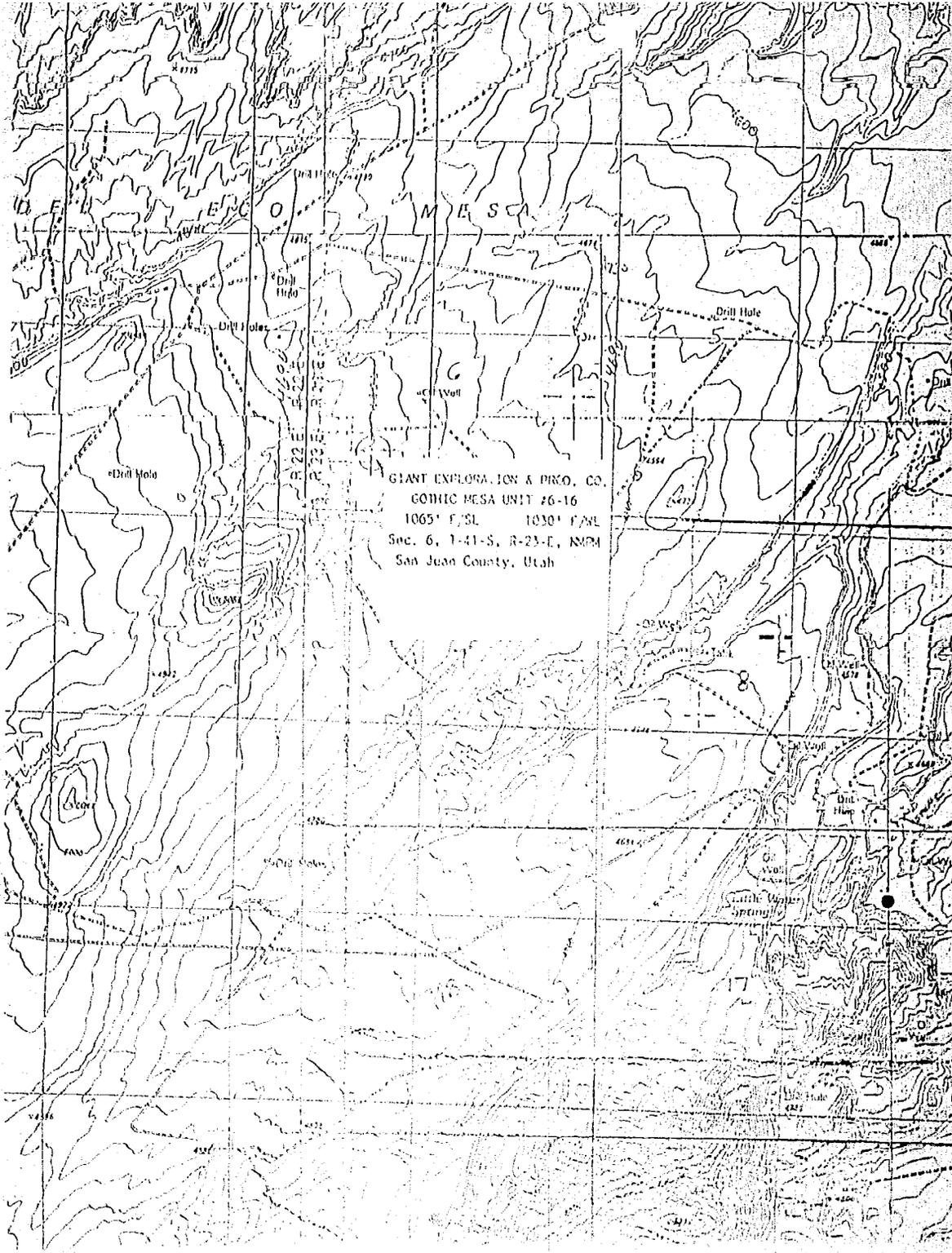
CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions that exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with operations proposed herein will be performed by Giant Exploration & Production Company and its contractors in conformity with this plan, and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U. S. C. 1001 for the filing of a false statement.

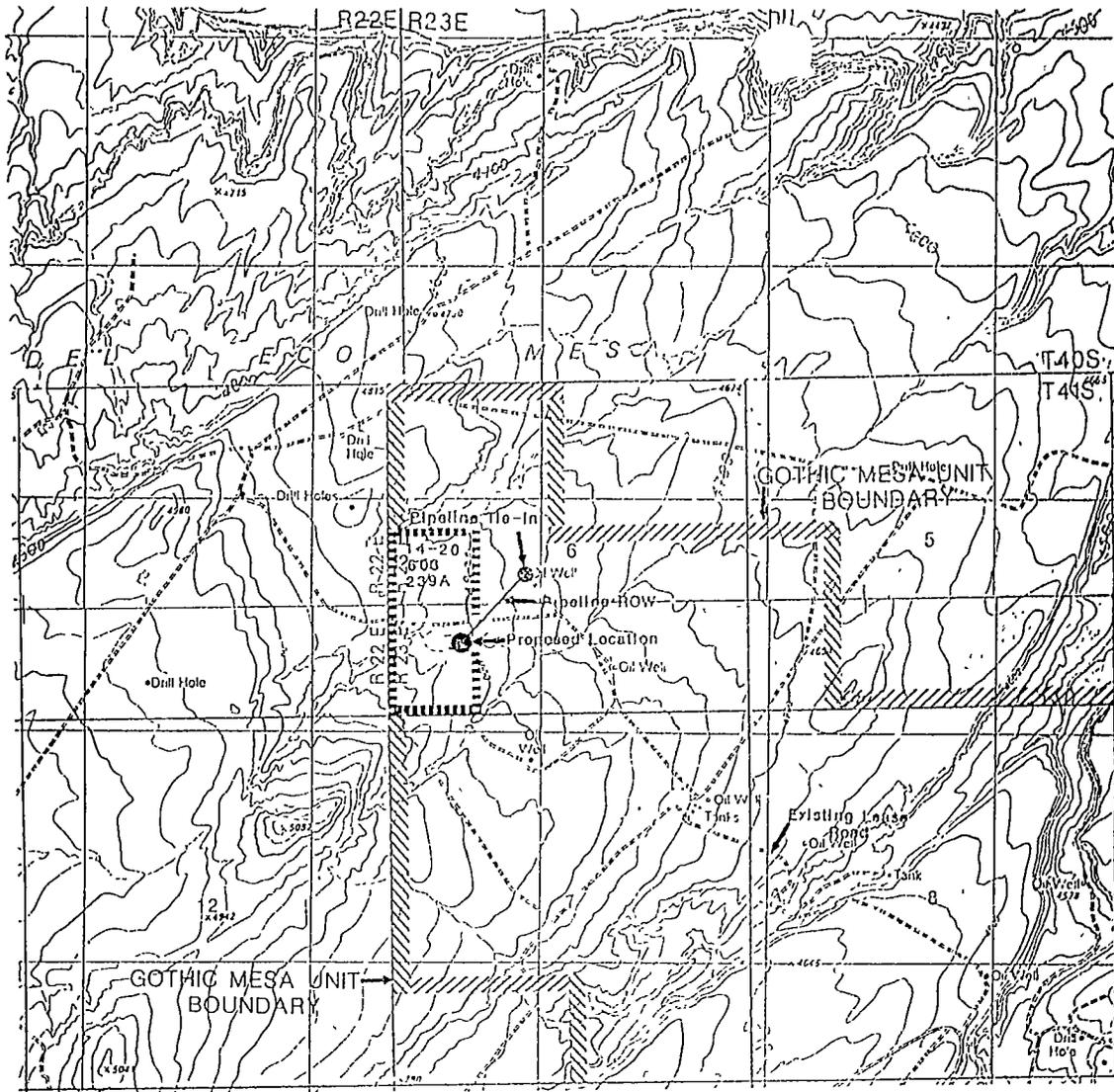
By:  Date: June 14, 1991

Aldrich L. Kuchera
President/CEO
Giant Exploration & Production Company
2200 Bloomfield Highway
P. O. Box 2810
Farmington, New Mexico 87499

Office: (505) 326-3325
Home: (505) 325-3348



GIANT EXPLOSION & DRILLING CO.
GOTHIC MESA UNIT #6-16
1065' F./SL 1030' F./NL
Sec. 6, T-41-S, R-23-E, N30M
San Juan County, Utah

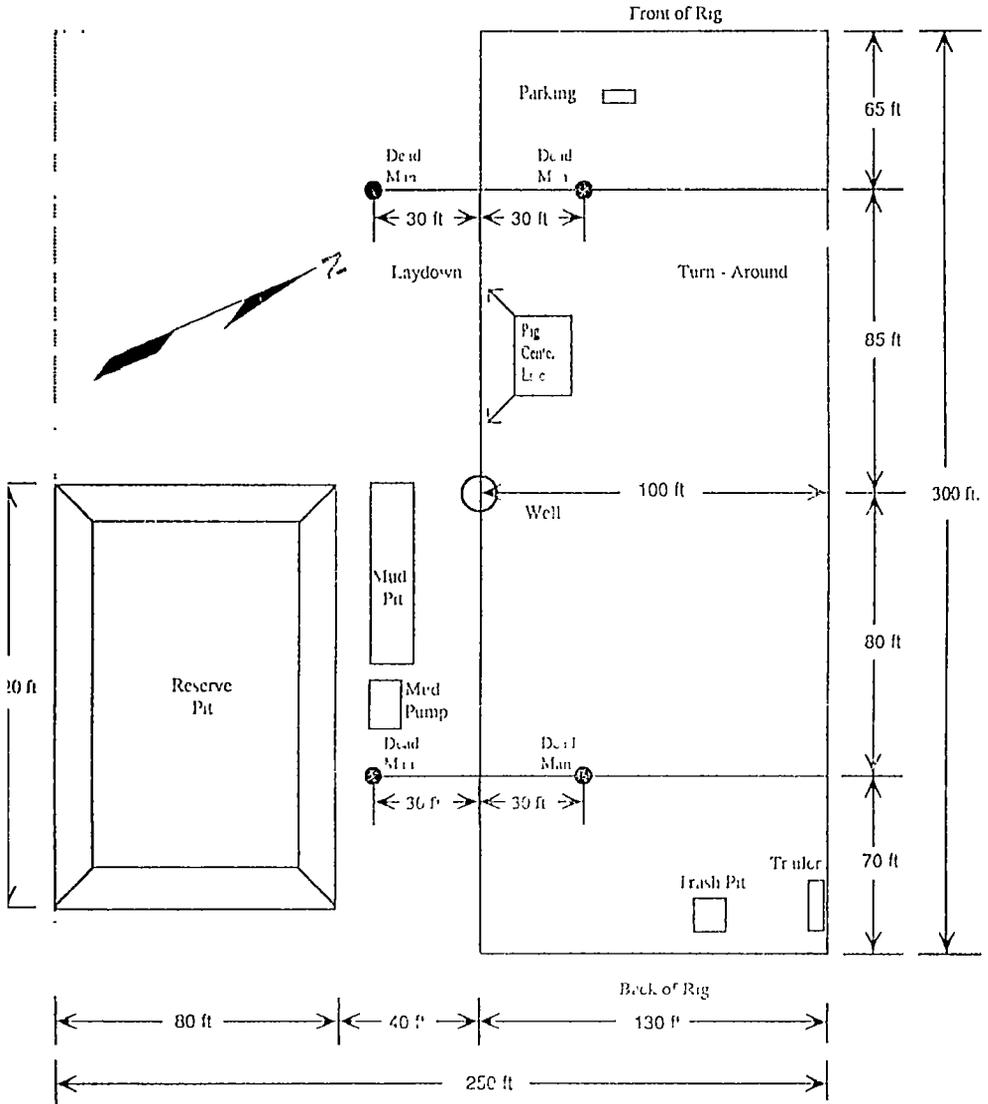


GIANT EXPLORATION & PRODUCTION COMPANY

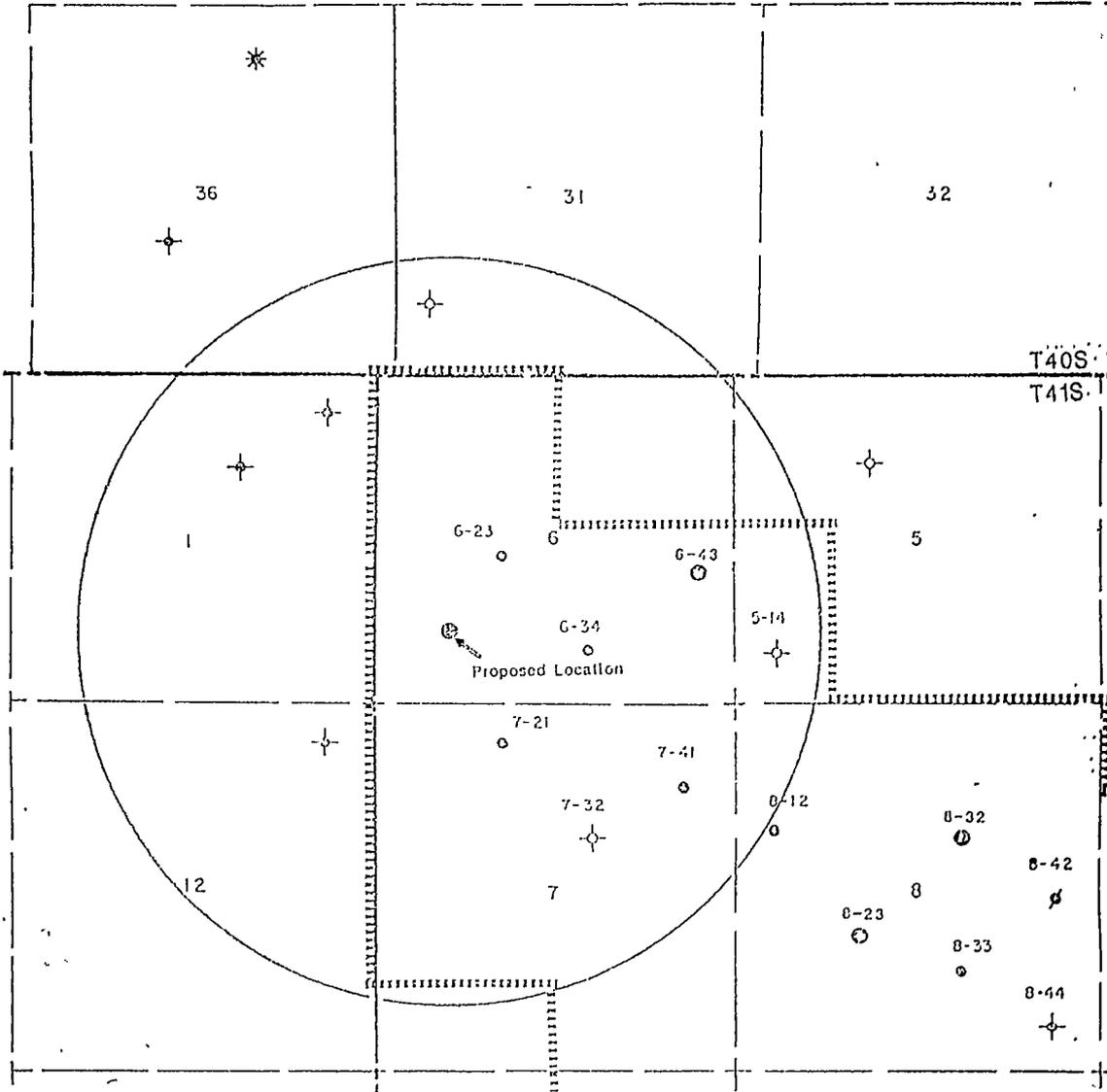
Gothic Mesa Unit 6-14
 1065' FSL 1030' FWL
 Section 6, T41S, R23E
 San Juan County, Utah

Giant Exploration & Production Company Drilling Rig Location Plat

Gothic Mesa Unit 6-14



R22E R23E



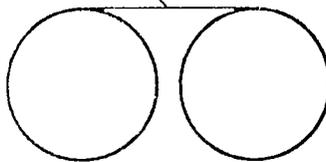
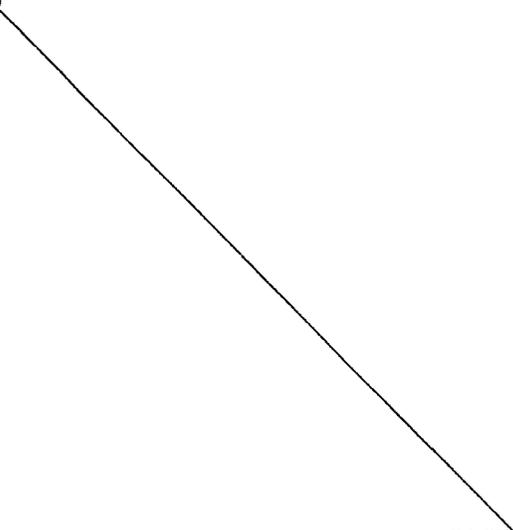
GIANT EXPLORATION & PRODUCTION COMPANY

Gothic Mesa Unit 6-14
1065' FSL 1030' FWL
Section 6, T41S, R23E
San Juan County, Utah

ANTICIPATED PRODUCTION FACILITIES

Gothic Mesa Unit Well No. 6-14

Well



Tank Storage

Giant Exploration & Production Company

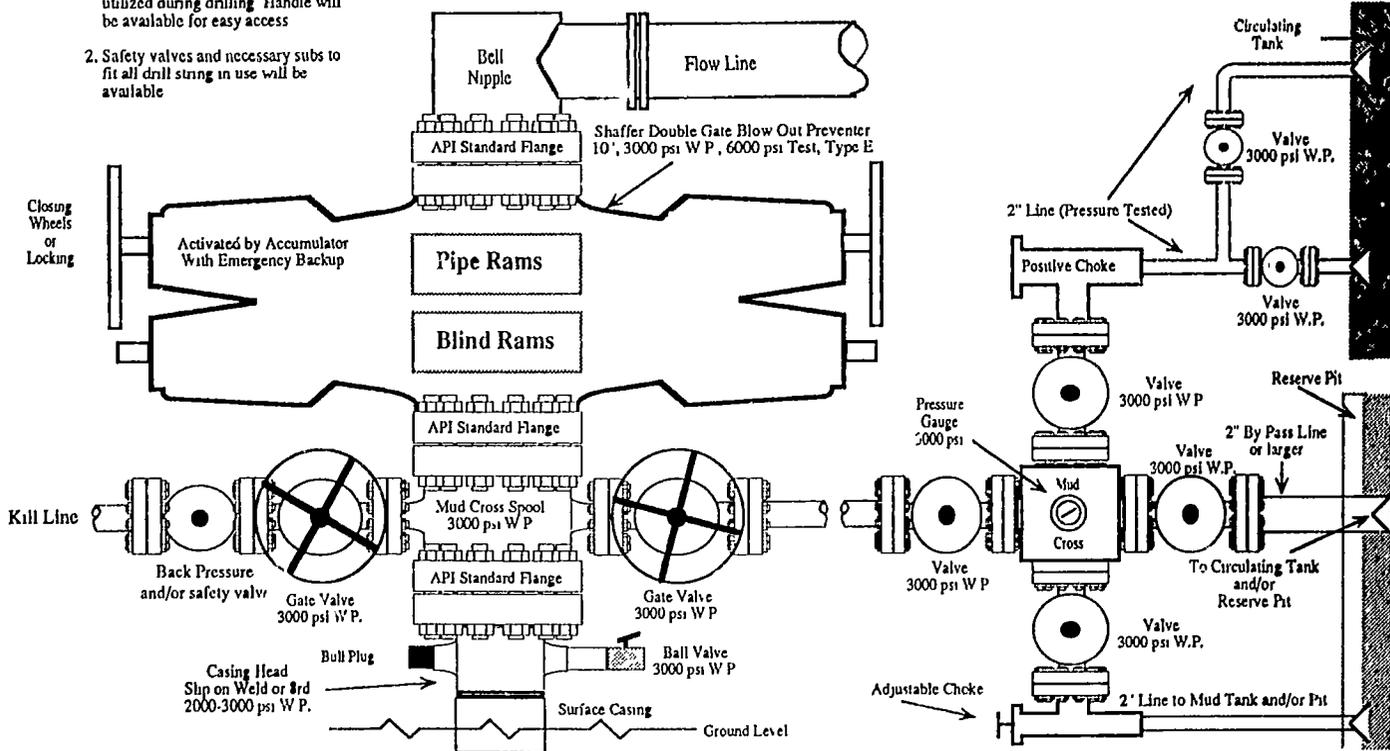
Post Office Box 2810
Farmington, New Mexico 87499-2810
505-326-3325

Giant Exploration & Production Company
Pressure Control Equipment

Gothic Mesa Unit 6-14

Note. 1. An upper Kelly cock valve will be utilized during drilling. Handle will be available for easy access

2. Safety valves and necessary subs to fit all drill string in use will be available



Note: This equipment is designed to meet requirements for a 2-M rating standard per 43 CFR part 3160 (amended). Proper operation and testing of equipment will be carried out per standard. 2,000 psi equipment can be substituted in the drawing to meet minimum requirements per standard.

OPERATOR Wyant Expt Prod Co N-0075 DATE 8-10-91

WELL NAME Water Mesa Unit 6-14

SEC S15W T 41S R W3E COUNTY Langdon

43 037-31164
API NUMBER

Indian (o)
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD SLBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Included in '91 POB approved 7-3-91

Water Permit

APPROVAL LETTER:

SPACING: R615-2-3

Water Mesa
UNIT

R515-3-2

N/A
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1- Needs water permit



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

Norman H. Bangert
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Trid Center Suite 350
Salt Lake City Utah 84180 1203
801 538 5340

August 12, 1991

Giant Exploration & Production Company
P. O. Box 2810
Farmington, New Mexico 87499

Gentlemen:

Re: Gothic Mesa Unit #6-14 Well, 1065 feet from the South line, 1030 feet from the West line, SW SW, Section 6, Township 41 South, Range 23 East, San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Code Ann. Section 40-6-18, et seq (1953, as amended), and Utah Admin R 615-2-3, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriatic. i.

In addition, the following actions are necessary to fully comply with this approval:

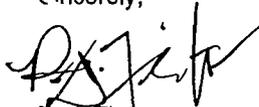
- 1 Spudding notification within 24 hours after drilling operations commence
- 2 Submittal of Entity Action Form 6, within five working days following spudding and whenever a change in operations or interests necessitates an entity status change
- 3 Submittal of the Report of Water Encountered During Drilling, Form 7.
- 4 Prompt notification in the event it is necessary to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801) 538-5340, (Home) (801) 476-8613, or R J Firth, Associate Director, (Home) (801) 571-6068.
- 5 Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2
Giant Exploration & Production Company
Gothic Mesa Unit #6-14
August 12, 1991

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801) 538-6159.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31644.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc. Bureau of Land Management
Bureau of Indian Affairs
J. L. Thompson
we14/1-3

FEBRUARY 8, 1994

TO: WELL FILE

FROM: K. M. HEBERTSON

RE: Status, Gothic Mesa 6-14 43-037-31644 6-41S-23E

Per telephone conversation with the operator concerning the status of this well, it was determined that the well will not be drilled and the operator has acknowledged that the APD has expired. The operator has been informed that the APD will need to be refiled in order to drill this well at a future date.

As of the above date the APD has been rescinded and the file sent to the LA archives.

KMH