

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. C-0127537	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Great Northern Gas Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 621 17th St., #2150, Denver, CO 80293		8. FARM OR LEASE NAME Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with BLM State Requirements) At surface 1807' FNL & 2176' FEL At proposed prod. zone As Above		9. WELL NO. WRD Federal #35-1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 17 miles west of Meeker		10. FIELD AND POOL, OR WILDCAT White River Dome	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 2500' east		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW NE 1/4 Sec. 35 2N-97W	
16. NO. OF ACRES IN LEASE 2040 m/1		12. COUNTY OR PARISH Rio Blanco	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE CO	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 660' south		20. ROTARY OR CABLE TOOLS Rotary air	
21. ELEVATIONS (Show whether DP, RT, GR, etc.) 5962' GR		22. APPROX. DATE WORK WILL START* June 15, 1991	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4" surface	7"	23# J-55	200'	40sks
6 1/2" hole to TD	2 7/8"		2000"	uncemented, unless water is encountered at which point the 2 7/8" will be cemented to surface with 220 sacks.

Drill 8 3/4" surface hole to 220'. Set 200' of 7" surface casing and cement to surface with 40 sacks. Drill 6 1/2" hole to 2000' and if no water is encountered run 2000' of 2 7/8" tubing from surface to TD uncemented. If water is encountered, the 2 7/8" tubing will be cemented to surface with 220 sacks.

If the tubing is cemented each zone to be tested will be perforated with 4 holes per foot and acidized with 500 gallons of 7 1/2% HCL acid.

WSTC

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 [Signature] TITLE Vice President DATE 4-26-91

(This space for Federal or State office use)

PERMIT NO. 91-526 APPROVAL DATE JUN 28 1991 EXP. DATE OCT 28 1991

APPROVED BY [Signature] TITLE Director DATE JUN 28 1991

CONDITIONS OF APPROVAL, IF ANY:



08658533
*See Instructions on Reverse Side

A.E.I. NUMBER

05 103 9381

Title 18 U.S.C. Section 1001, makes 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.

SERVICE REPORT



DOWELL SCHLUMBERGER INCORPORATED

 TREATMENT NUMBER
 1507-1815
 DATE
 1-16-92
 STAGE
 DS
 DISTRICT
 Vernal Int.

MOUNTED IN U.S.A.

E AND NO.

LOCATION (LEGAL)

RIG NAME:

D Fed 35-1

Sec 35 T2N R7W

HAYES Pt.

FOOT

FORMATION

WELL DATA: BOTTOM TOP

Wte River DONT

Surface

BIT SIZE 8 1/2" CSG/Liner Size 7"

COUNTY/PARISH

STATE

API. NO.

TOTAL DEPTH WEIGHT 24

Rio Blanco

Colo

ROT CABLE FOOTAGE

MUD TYPE GRADE 84

BHST BHCT THREAD 846

MUD DENSITY LESS FOOTAGE SHOE JOINT(S)

MUD VISC. Disp. Capacity

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

NAME Great Northern

AND

ADDRESS

ZIP CODE

 SPECIAL INSTRUCTIONS
 Cement into place 250'
 2" casing using 55 SPS Class G
 2 1/2" SI 125#/SK D29 Displace
 To Bottom

Floor TYPE DEPTH

SHOE TYPE DEPTH

Guide

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE WEIGHT TYPE DEPTH

Single GRADE TAIL PIPE: SIZE DEPTH

Swage THREAD TUBING VOLUME

Knockoff NEW USED CASING VOL. BELOW TOOL

TOP OR OW DEPTH TOTAL

BOT OR OW DEPTH ANNUAL VOLUME

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE 175 PSI CASING WEIGHT - SURFACE AREA (3.14 x R²)

PRESSURE LIMIT 200 PSI BUMP PLUG TO PSI

ROTATE RPM RECIPROCAT FT No. of Centralizers

JOB SCHEDULED FOR 0140C

ARRIVE ON LOCATION

LEFT LOCATION

TIME: 12:30 DATE: 1-16-92

TIME: 12:30 DATE: 1-16-92

TIME: DATE: 1-16-92

TIME PRESSURE VOLUME PUMPED

0001 TO 2400 TBG OR D.P. CASING INCREMENT CUM

INJECT RATE FLUID TYPE FLUID DENSITY

14:45 0 10 0 2 H2O 8.4

14:48 5 10 5 BRL spacer

14:50 11 15 9/400 15.8

14:54 9.8 24 H2O 8.4

15:04 3.7

SERVICE LOG DETAIL

PRE-JOB SAFETY MEETING YES

10 BRL Gelled Water

5 BRL spacer

11 BRL Cement slurry

9.7 Displacement

Shut DOWN pumping

REMARKS

SYSTEM CODE	NO OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED	DENS
1.	55	1.15	G + 2 1/2" SI + .25#/SK D29		15
2.					
3.					
4.					
5.					
6.					



00658546

BREAKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE	MAX.	MIN.
HESITATION: SO	CIRCUATION LOST	C YES	Cement Circulated To Surf.	C YES	NO
BREAKDOWN PSI FINAL	DISPLACEMENT VOL.	Bbls	TYPE OF WELL	OIL GAS	STORAGE INJECTION
Washed Thru Perfs C YES C NO TO	MEASURED DISPLACEMENT	C WIRELINE	DS	SUPERVISOR	
PERFORATIONS	CUSTOMER REPRESENTATIVE				

CE REPORT



DOWELL SCHLUMBERGER INCORPORATED

TREATMENT NUMBER 15-03 7831	DATE 1-22-92
STAGE DS	DISTRICT VERNAL, UTAH

WELL NAME WAD Fed #35-1	LOCATION (LEGAL) Sec 35 T2N R9TW
FIELD POOL White River	FORMATION _____
COUNTY/PARISH Rio Blanco	STATE Colo
API. NO. _____	
NAME Great Northern Gas	
ADDRESS _____	
ZIP CODE _____	

RIG NAME: Jerry Hayes	
WELL DATA	BOTTOM TOP
BIT SIZE	CSG/Liner Size 2 7/8
TOTAL DEPTH	WEIGHT 6-5
<input type="checkbox"/> ROT <input type="checkbox"/> CABLE	FOOTAGE 1290
MUD TYPE	GRADE _____
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD 8in
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S) _____
MUD VISC.	Disp. Capacity 7.5
TOTAL 7.5	

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

SPECIAL INSTRUCTIONS Furnish equip & personnel to cement 1290' of 2 7/8 production string with 20 BBL Gelled H2O + 206 SFS & Displace with H2O AS per Comp Rep Inst.
--

TYPE	DEPTH	TYPE	DEPTH
<input type="checkbox"/> TYPE	<input type="checkbox"/> DEPTH	<input type="checkbox"/> TYPE	<input type="checkbox"/> DEPTH

CASING/TUBING SECURED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
T PRESSURE 1500 PSI CASING WEIGHT - SURFACE AREA (3.14 x R ²)
ESSURE LIMIT 2000 PSI BUMP PLUG TO 2000 PSI
TATE _____ RPM RECIPROCAT _____ FT No. of Centralizers _____

read & Plugs	<input type="checkbox"/> TBG <input type="checkbox"/> D.P.	SQUEEZE CASE
<input type="checkbox"/> Double	SIZE	TYPE
<input type="checkbox"/> Single	WEIGHT	DEPTH
<input type="checkbox"/> Swage	GRADE	TAIL PIPE SIZE
<input type="checkbox"/> Knockoff	THREAD	TUBING VOLUME
TOP <input checked="" type="checkbox"/> OR <input type="checkbox"/> NEW	USED	CASING VOL. BELOW TOOL
BOT <input type="checkbox"/> OR <input type="checkbox"/> DEPTH		TOTAL
		ANNUAL VOLUME

TIME	PRESSURE	VOLUME PUMPED bbl	JOB SCHEDULED FOR TIME	DATE	ARRIVE ON LOCATION TIME	DATE	LEFT LOCATION TIME	DATE
0001 to 2400	TBG OR D.P.	CASING	INJECT RATE	FLUID TYPE	FLUID DENSITY	SERVICE LOG DETAIL		
1100						PRE-JOB SAFETY MEETING DS Crew & Comp Rep.		
113	800	-	20	0	3	Gelled H2O	8:32	START Gelled H2O
120	800	-	5	20	3	H2O	8:32	START H2O SPACER
123	300	-	42	25	3	CMT	15:8	START Cement Slurry
137	-	-	-	67	-	-	-	SHUT DOWN Drop Plug (WASH LINES)
141	1000	-	7.5	67	17	H2O	8:32	START Displacement
147	2000	-	-	74.5	-	-	-	Bump Plug SHUT DOWN
150	-	-	-	-	-	-	-	End Job Rig Down

LONG STRING

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED BBLs	DENSITY
1.	206	1-15	CLASS G	42	15-8
2.					
3.					
4.					
5.					
6.					



00658547

ACKDOWN FLUID TYPE	VOLUME	DENSITY	PRESSURE
ACKDOWN	CIRCULATION LOST	MAX. 2000 MIN. 0	
ACKDOWN	DISPLACEMENT VOL.	Cement Circulated To Surf. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
ACKDOWN	MEASURED DISPLACEMENT 7.5 Bbls	TYPE OF WELL <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS	
ACKDOWN	CUSTOMER REPRESENTATIVE Jerry Hayes	STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT	
ACKDOWN		DS SUPERVISOR Ray Ditch	