CONFIDENTIAL

Form 3160-3
(July 1992)

FORM APPROVED
OMB NO. 1040-0136
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

TYPE OF WORK
DRILL ☑ DEEPEN ☐

TYPE OF WELL
☑ OIL WELL ☐ GAS WELL ☐ OTHER ☑ SINGLE ZONE ☐ MULTIPLE ZONE

5. LEASE DESIGNATION AND SERIAL NO.
UTU-30290

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
JOHNSON BOTTOM UNIT UTU-86617X

8. FARM OR LEASE NAME, WELL NO.
JB 8G-21-7-21

2. NAME OF OPERATOR
QUESTAR EXPLORATION & PRODUCTION , CO.

Contact: Jan Nelson
E-Mail: jan.nelson@questar.com

9.API NUMBER: 43-047-40613

3. ADDRESS
11002 E. 17500 SO. Vernal, Ut 84078

Telphone number
Phone 435-781-4331 *Fax 435-781-4395*

10. FIELD AND POOL, OR WILDCAT 560
Brennan ~~UNDESIGNATED~~ Bottom

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*)
At Surface 2199' FNL 844' FEL, SENE, SECTION 21, T7S, R21E
At proposed production zone PLEASE SEE ADDITIONAL INFORMATION

11. SEC.,T, R, M, OR BLK & SURVEY OR AREA
SEC. 21, T7S, R21E Mer SLB&M

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE*
28 + / - MILES SOUTH OF OURAY, UTAH

12. COUNTY OR PARISH
Uintah

13. STATE
UT

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(also to nearest drig,unit line if any)
585' + / -

16.NO.OF ACRES IN LEASE
720

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18.DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft
2,000' +/-

19. PROPOSED DEPTH
10,972' MD SW LATERAL
10,715' MD E LATERAL

20. BLM/BIA Bond No. on file
ESB000024

21. ELEVATIONS (Show whether DF, RT, GR, ect.)
4813.3' GR

22. DATE WORK WILL START
3/1/2010

23. Estimated duration
45 Days

24. Attachments

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

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

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DATE 09-15-2009

TITLE Permit Agent

(This space for Federal or State office use)

PERMIT NO. 43-047-40613 APPROVAL DATE

Application approval does not warrant or certify the applicant holds any 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 Bradley G. Hill TITLE BRADLEY G. HILL ENVIRONMENTAL MANAGER DATE 11-05-09

*See Instructions On Reverse Side

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 mater within its jurisdiction

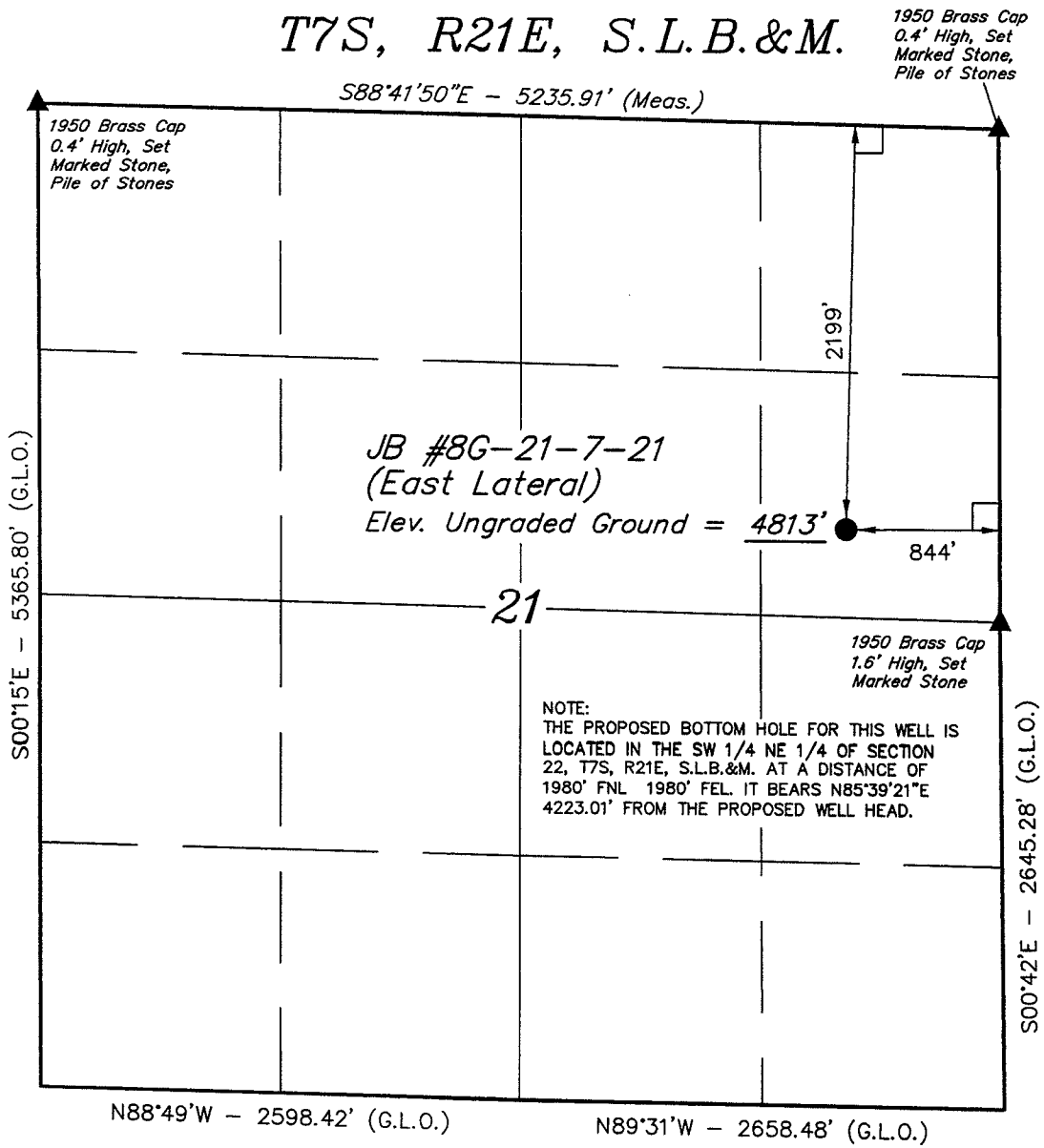
Federal Approval of this Action is Necessary

RECEIVED
SEP 24 2009
DIV. OF OIL, GAS & MINING

QUESTAR EXPLR. & PROD.

Well location, JB #8G-21-7-21 (East Lateral), located as shown in the SE 1/4 NE 1/4 of Section 21, T7S, R21E, S.L.B.&M. Uintah County, Utah.

T7S, R21E, S.L.B.&M.



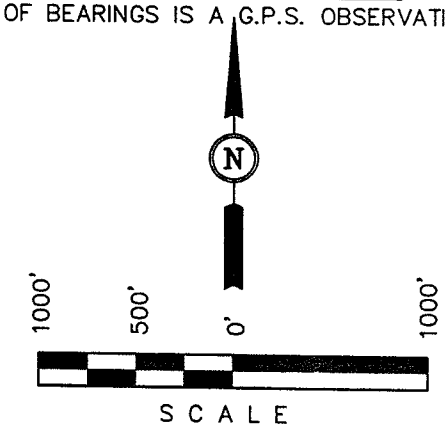
NOTE:
THE PROPOSED BOTTOM HOLE FOR THIS WELL IS LOCATED IN THE SW 1/4 NE 1/4 OF SECTION 22, T7S, R21E, S.L.B.&M. AT A DISTANCE OF 1980' FNL 1980' FEL. IT BEARS N85°39'21"E 4223.01' FROM THE PROPOSED WELL HEAD.

BASIS OF ELEVATION

BENCH MARK (43EAM) LOCATED IN THE SE 1/4 OF SECTION 21, T7S, R21E, S.L.B.&M. TAKEN FROM THE BRENNAN BASIN, 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 4832 FEET.

BASIS OF BEARINGS

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



CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR
No. 161319
STATE OF UTAH

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(AUTONOMOUS NAD 83)
LATITUDE = 40°11'51.48" (40.197633)
LONGITUDE = 109°33'15.46" (109.554294)
(AUTONOMOUS NAD 27)
LATITUDE = 40°11'51.61" (40.197669)
LONGITUDE = 109°33'12.97" (109.553603)

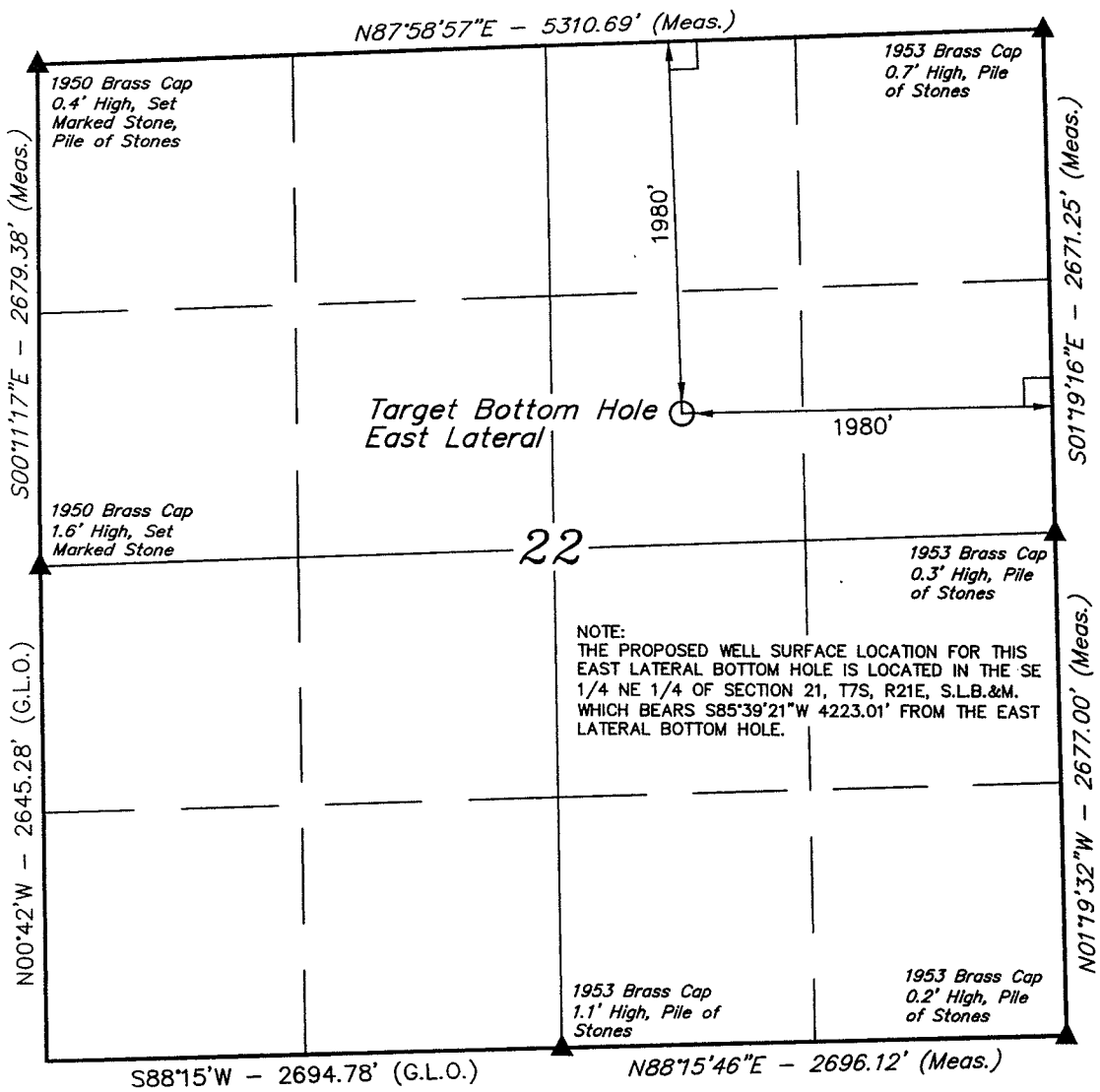
UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-08-07	DATE DRAWN: 10-18-07
PARTY D.A. T.M. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE QUESTAR EXPLR. & PROD.	

QUESTAR EXPLR. & PROD.

Well location, JB #8G-21-7-21 (East Lateral) TARGET BOTTOM HOLE, located as shown in the SW 1/4 NE 1/4 of Section 22, T7S, R21E, S.L.B.&M. Uintah County, Utah.

T7S, R21E, S.L.B.&M.



BASIS OF ELEVATION

BENCH MARK (43EAM) LOCATED IN THE SE 1/4 OF SECTION 21, T7S, R21E, S.L.B.&M. TAKEN FROM THE BRENNAN BASIN, 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 4832 FEET.

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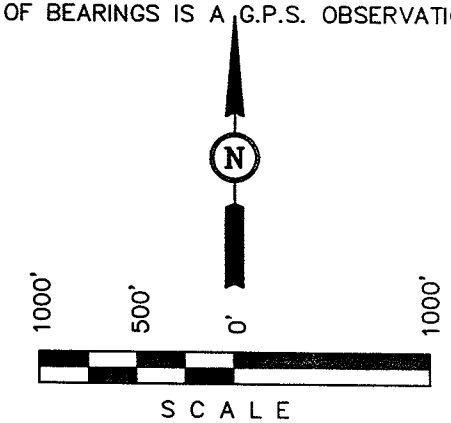

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REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

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

SCALE 1" = 1000'	DATE SURVEYED: 10-08-07	DATE DRAWN: 08-13-08
PARTY D.A. T.M. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE QUESTAR EXPLR. & PROD.	

NAD 83 (TARGET BOTTOM HOLE)
LATITUDE = 40°11'54.62" (40.198506)
LONGITUDE = 109°32'21.21" (109.539225)

NAD 27 (TARGET BOTTOM HOLE)
LATITUDE = 40°11'54.75" (40.198542)
LONGITUDE = 109°32'18.72" (109.538533)

LEGEND:

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QUESTAR EXPLR. & PROD.

Well location, JB #8G-21-7-21 (Southwest Lateral), located as shown in the SE 1/4 NE 1/4 of Section 21, T7S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (43EAM) LOCATED IN THE SE 1/4 OF SECTION 21, T7S, R21E, S.L.B.&M. TAKEN FROM THE BRENNAN BASIN, 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 4832 FEET.

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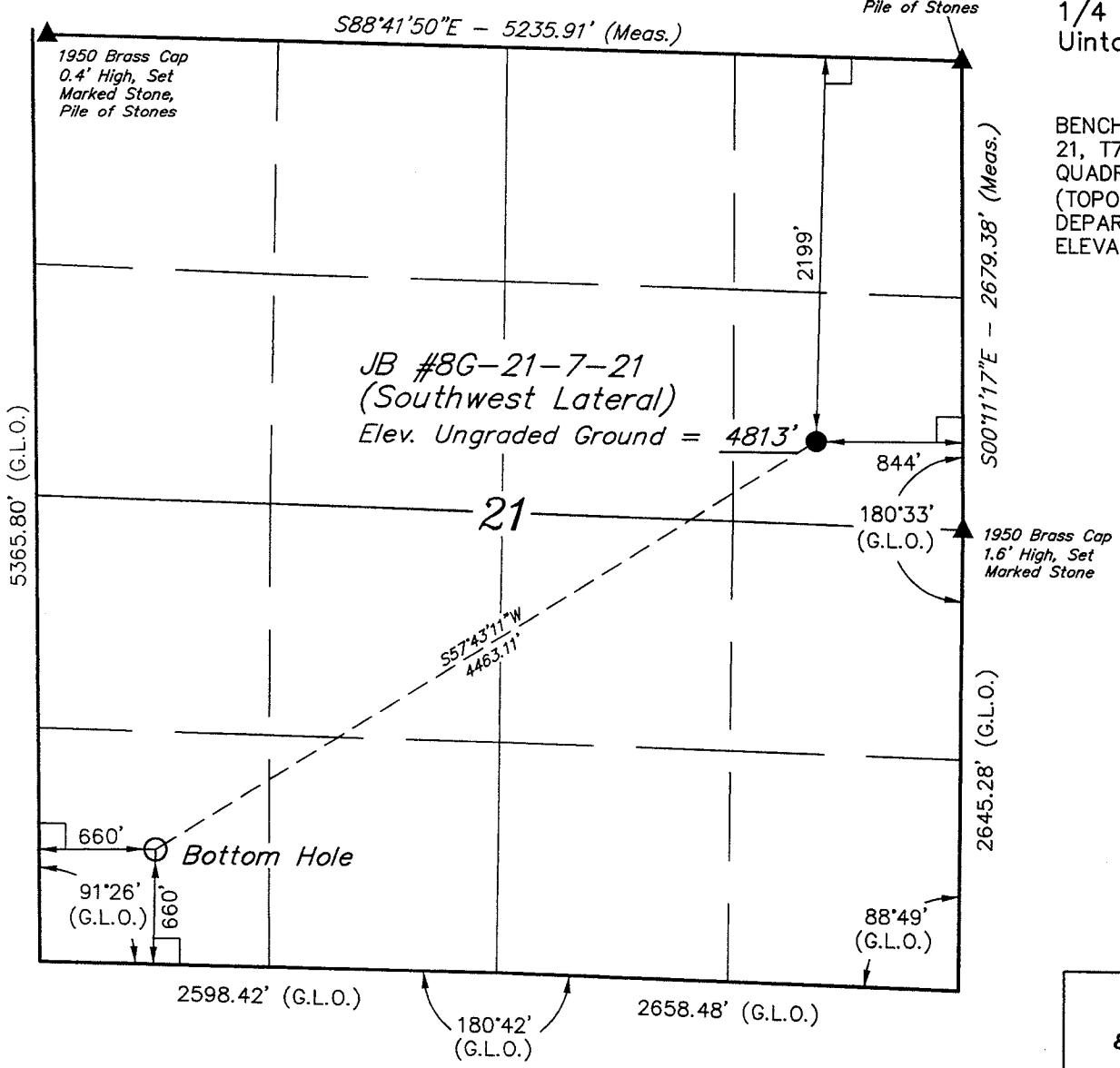

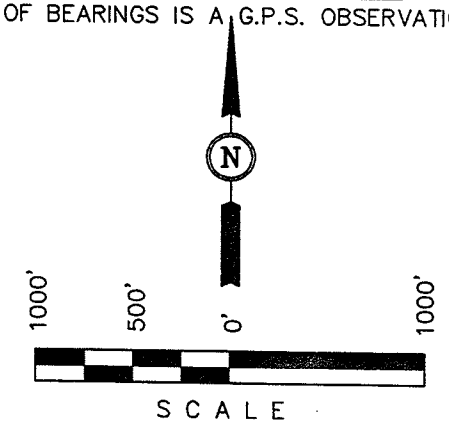

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REGISTERED LAND SURVEYOR
REGISTRATION NO. 161318
STATE OF UTAH

REGISTERED LAND SURVEYOR REGISTRATION NO. 161318 STATE OF UTAH

LEGEND:

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85 SOUTH 200 EAST - VERNAL, UTAH 84078
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SCALE 1" = 1000'	DATE SURVEYED: 10-08-07	DATE DRAWN: 10-18-07
PARTY D.A. T.M. L.K.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE QUESTAR EXPLR. & PROD.	