

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

FORM 3

001

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO: 47063	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: The Houston Exploration Company		9. WELL NAME and NUMBER: Rockhouse 9-32-10-23	
3. ADDRESS OF OPERATOR: 1100 Louisiana Suite 20 CITY Houston STATE TX ZIP 77002		PHONE NUMBER: (713) 830-6800	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2098' FSL & 1042' FEL <i>641536X 39.903934</i> AT PROPOSED PRODUCING ZONE: same as above <i>4418197Y -109.344285</i>		10. FIELD AND POOL, OR WLD CAT: Natural Buttes	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 77.6 miles South of Vernal, UT		12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1042'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 606'	19. PROPOSED DEPTH: 7,604	20. BOND DESCRIPTION: 104155044	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5336.4 GR	22. APPROXIMATE DATE WORK WILL START: 3/15/2005	23. ESTIMATED DURATION: 30 Days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
11"	8 5/8	J-55	36#	2,000	Primium Lite II	250 sks	3.38 CF	11.0 PPG
					Class G	329 sks	1.2 CF	15.6 PPG
					Calcium Chloride	200 sks	1.10 CF	15.6 PPG
7 7/8	4 1/2	N-80	11.6 #	7,604	Primium Lite II	200 sks	3.3 CF	11.0 PPG
					Class G	400 sks	1.56 CF	14.3 PPG

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

RECEIVED

MAR 03 2005

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) William A Ryan TITLE Agent

SIGNATURE _____ DATE 2/9/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-047-30337

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

CONFIDENTIAL

Date: 04-21-05
By: [Signature]

T10S, R23E, S.L.B.&M.

S89°46'W - 2663.76' (G.L.O.)

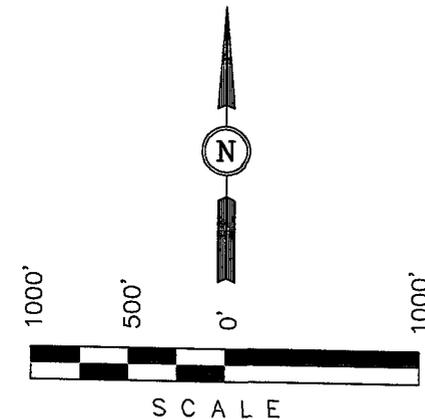
S89°31'W - 2647.92' (G.L.O.)

THE HOUSTON EXPLORATION COMPANY

Well location, ROCK HOUSE #9-32, located as shown in the NE 1/4 SE 1/4 of Section 32, T10S, R23E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

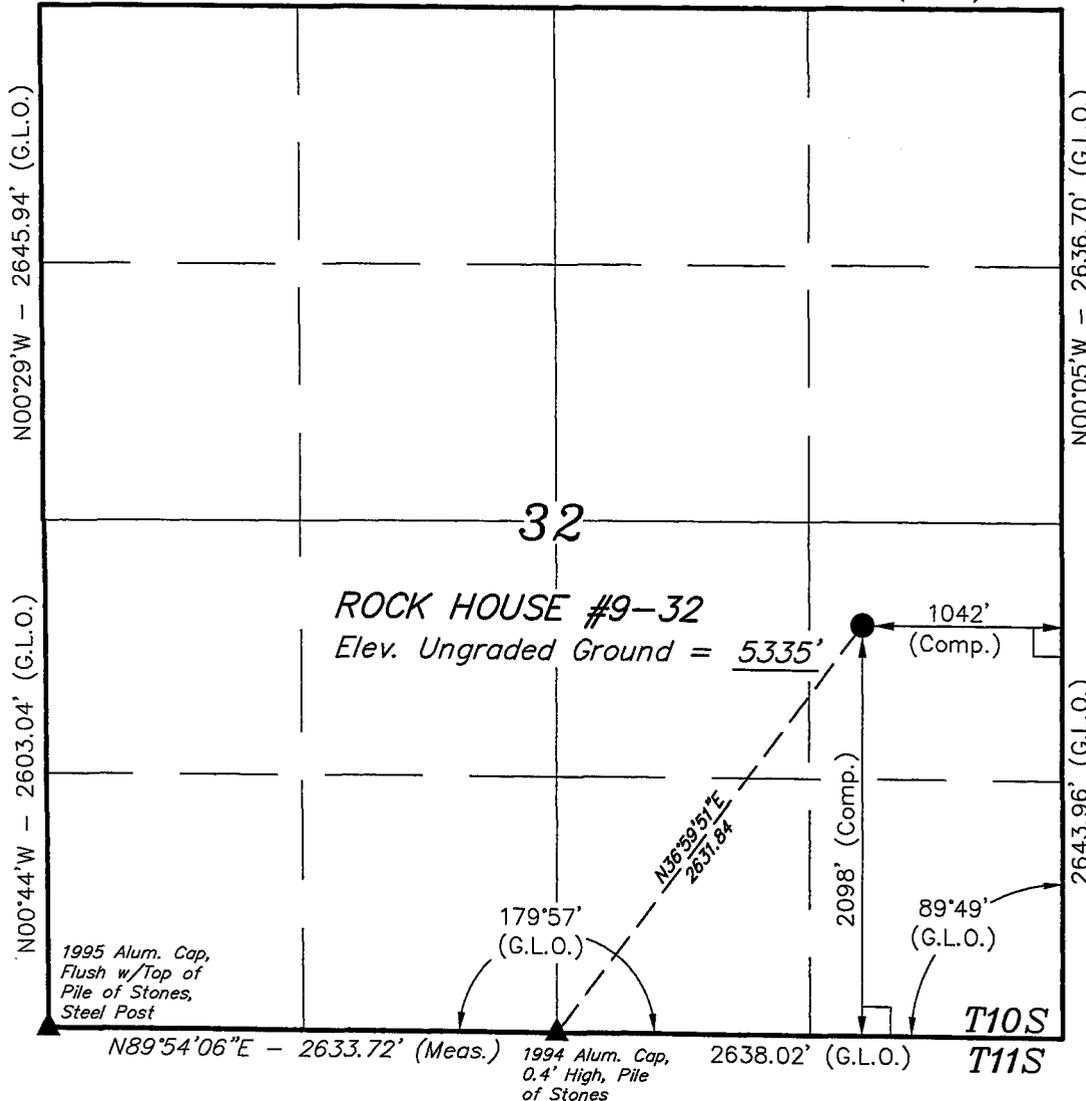
TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

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

John A. [Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. - 161319
 STATE OF UTAH



BASIS OF BEARINGS

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

(AUTONOMOUS NAD 83)

LATITUDE = 39°54'14.24" (39.903956)

LONGITUDE = 109°20'42.21" (109.345058)

(AUTONOMOUS NAD 27)

LATITUDE = 39°54'14.36" (39.903989)

LONGITUDE = 109°20'39.77" (109.344381)

LEGEND:

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

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-26-05	DATE DRAWN: 01-28-05
PARTY B.B. J.M. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE THE HOUSTON EXPLORATION COMPANY	

002

The Houston Exploration Company
1100 Louisiana, Suite 2000
Houston, TX 77002
713-830-6800

Please hold all information associated with this Application for Permit to Drill and all associated logs confidential for a minimum of six (6) months.

RECEIVED
MAR 03 2005
DIV. OF OIL, GAS & MINING

Ten Point Plan

The Houston Exploration Company

Rockhouse 9-32-10-23

Surface Location NE ¼ SE ¼, Section 32, T. 10S., R. 23 E.

1. Surface Formation

Green River

2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Green River	Surface	+5,350' G.L.
Uteland Butte Limestone	3,274	+2,076'
Wasatch	3,356	+1,994'
Mesaverda	5,256	+94'
Buck Tounge	7,556	-2,206'
Castlegate	7,636	-2,286'
TD	7,604	-2,254'

A 11" hole will be drilled to 2,000' +/- . The hole depth will depend on the depth that the Birds Nest Zone is encountered. The hole will be drilled 400' beyond the top of the Birds Nest.

3. Producing Formation Depth:

Formation objective includes the Green River, Wasatch, Mesaverde and its sub-members.

Off Set Well information: Wells within a one-mile radius.

Drilling/ Permitted Well:

Rockhouse #3-32
Rockhouse #4-32
Rockhouse #5-32
Rockhouse #7-32
Rockhouse #13-32

Producing Well:

Rockhouse #2D-32
Rockhouse #6D-32
Rockhouse #10D-32
Rockhouse #12D-32

Abandon Well:

None

Shut-in Well:

None

4. Proposed Casing:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/FT</u>	<u>Grade</u>	<u>Coupling & Tread</u>	<u>Casing Depth</u>	<u>New/Used</u>
11	8 5/8	36#	J-55	STC	2000	NEW
7 7/8	4 1/2	11.6#	N-80	LTC	T.D.	NEW

Cement Program:

The Surface Casing will be cemented to the Surface as follows:

	<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Lead:	8 5/8	Primium Lite II .05#/sk Static Free .25#/sk Cello Flake 5#/sk KOL Seal .002 gps FP-6L 10% Bentonite .5% Sodium Metasilicate 3% Potassium Chloride	250 sks. +/-	3.38ft ³ /sk	11.0 ppg
Tail:	8 5/8	Class "G" 2% Calcium Chloride .25#/sk Cello Flake	329 sks. +/-	1.2ft ³ /sk	15.6 ppg

6. Mud Program:

<u>Interval</u>	<u>Mud weight lbs./gal.</u>	<u>Viscosity Sec./OT.</u>	<u>Fluid Loss MI/30 Mins.</u>	<u>Mud Type</u>
0-2000	Air/Clear Water	-----	No Control	Water/Gel
2000-T.D.	8.4-12.0	30	8-10	Water/Gel

7. Auxiliary Equipment

Upper Kelly cock, full opening stabbing valve, 2 ½" choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

- a) Test: None are anticipated.
- b) Coring: There is the possibility of sidewall coring.
- c) Sampling: Every 10' from 2000' to T.D.
- d) Logging:

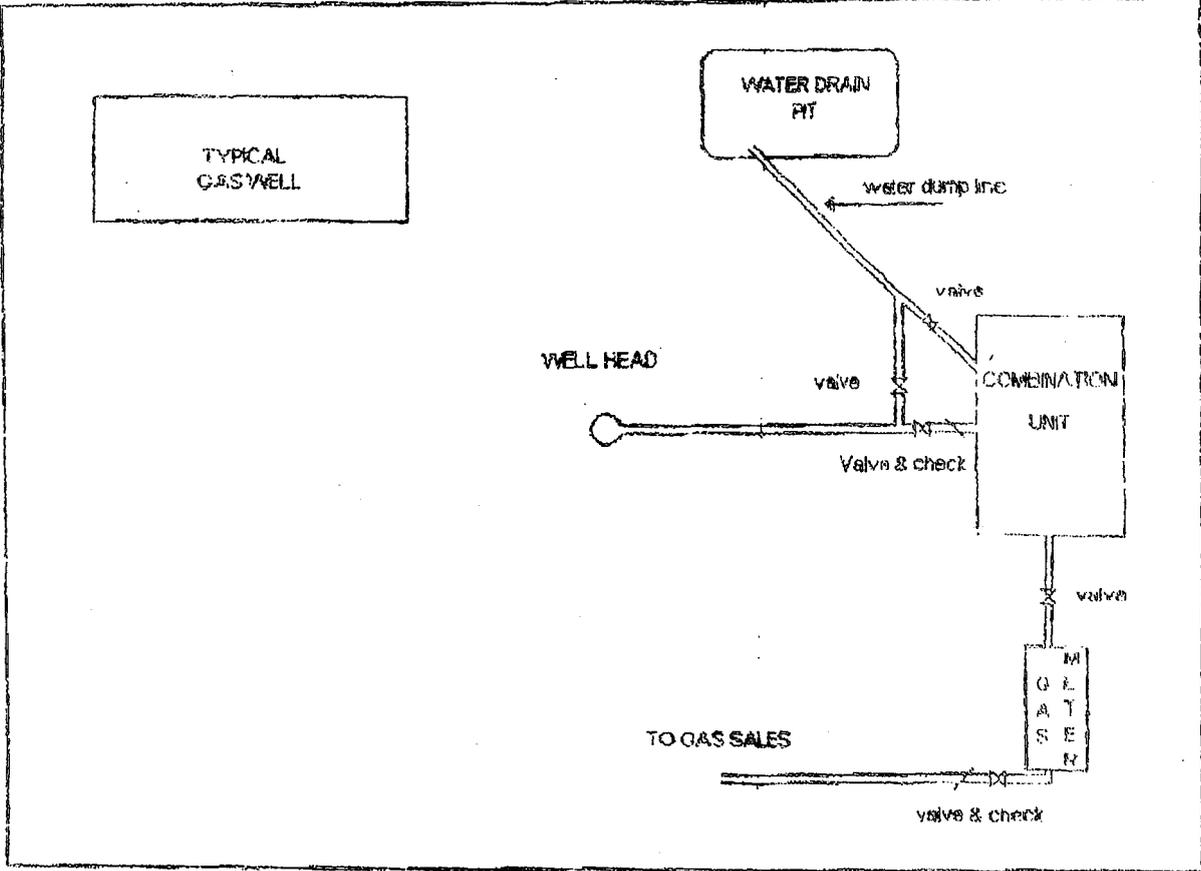
Type	Interval
DLL/SFL W/GR and SP	T.D. to Surf. Csg
FDC/CNL W/GR and CAL	T.D. to Surf. Csg

9. Abnormalities (including sour gas):

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Wasatch Formation. Other wells drilled in the area have not encountered over pressured zones or H2S.

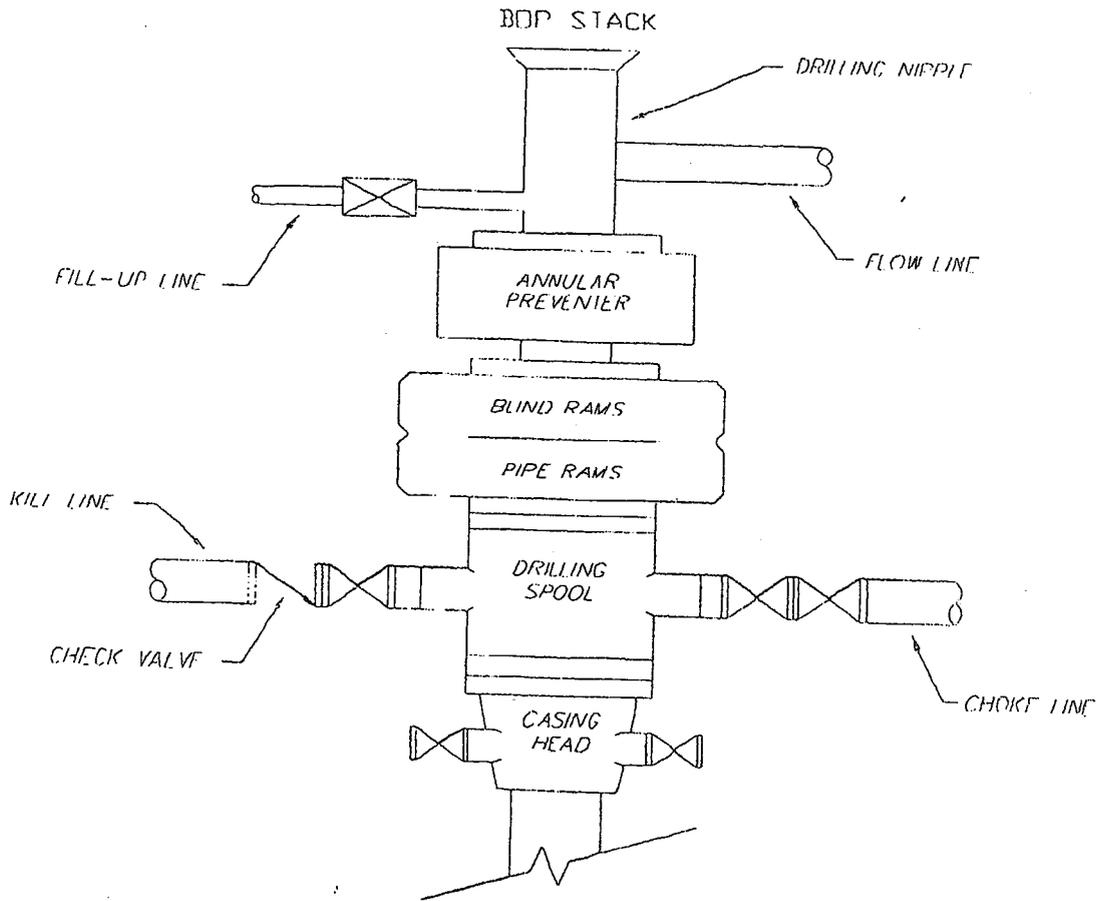
10. Drilling Schedule:

The anticipated starting date is March.15, 2005. Duration of operations is expected to be 30 days.

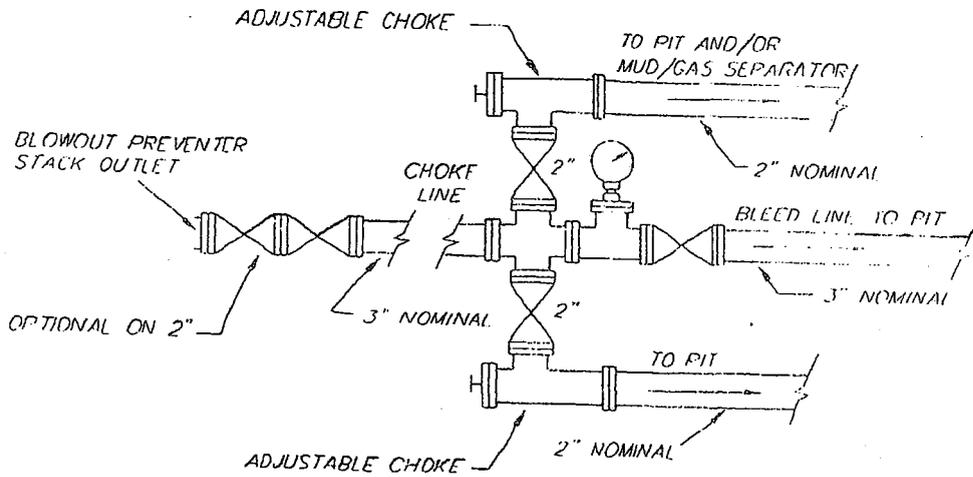


THE HOUSTON EXPLORATION COMPANY

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER SCHEMATIC



TYPICAL 3,000 p.s.i. CHOKER MANIFOLD SCHEMATIC



THE HOUSTON EXPLORATION COMPANY

13 POINT SURFACE USE PLAN

FOR WELL

ROCKHOUSE 9-32-10-23

LOCATED IN NE $\frac{1}{4}$ SE $\frac{1}{4}$

SECTION 32, T.10S, R23E, S.L.B.&M.

UINTAH COUNTY, UTAH

LEASE NUMBER: ML-47063

SURFACE OWNERSHIP: STATE

1. Existing Roads:

To reach The Houston Exploration Co well Rock House #9-32-10-23 in Section 32, T10S, R 23E, starting in Vernal, Utah.

Proceed in a easterly, then southerly direction from Vernal, Utah along US Highway 40 approximately 3.9 miles to the junction of State Highway 45; exit right and proceed in a southerly, direction approximately 41.5 miles on paved State Highway 45 to the junction of this road and gravel State Highway 45 to southeast; turn left and proceed in an southeasterly direction, approximately 3.8 miles to the junction of this road and State Highway 207 to the southwest; turn right and proceed in a southeasterly direction approximately 8.4 miles to the junction of this road and an existing road to the southwest; proceed in a southwesterly direction approximately 7.8 miles to the junction of this road and an existing road to the northwest; turn right and proceed in a northwesterly, direction approximately 0.5 miles to the junction of this road and an existing road to the west; turn left and proceed in a westerly, then northerly direction approximately 2.7 miles to the junction of this road and an existing road to the northwest; turn left and proceed in a northwesterly, then northerly direction approximately 5.4 miles to the junction of this road and an existing road to the north; proceed in a northerly, then northwesterly,

then northeasterly direction approximately 3.0 miles to the junction of this road and an existing road to the southeast; turn right and proceed in a southeasterly, then southerly, then easterly direction approximately 0.5 miles to the beginning of the proposed access to the northeast; follow road flags in a northeasterly, then southerly direction approximately 0.1 miles to the proposed location.

Total distance from Vernal, Utah to the proposed well location is approximately 77.6 miles.

All existing roads to the proposed location are State of Utah, BLM maintained or County Class D roads. Please see the attached map for additional details.

2. Planned access road

The proposed access road will be approximately 528' +/- of new construction on lease. The road will be graded once per year minimum and maintained.

A) Approximate length	528 ft
B) Right of Way width	30 ft
C) Running surface	18 ft
D) Surface material	Native soil
E) Maximum grade	5%
F) Fence crossing	None
G) Culvert	None
H) Turnouts	None
I) Major cuts and fills	None
J) Road Flagged	Yes
K) Access road surface ownership	State

- L) All new construction on lease Yes
- M) Pipe line crossing None

Please see the attached location plat for additional details.

An off lease right of way will not be required.

All surface disturbances for the road and location will not be within the lease boundary.

3. Location of existing wells

The following wells are located within a one-mile radius of the location site.

- A) Producing well
 - Rock House #2D-32
 - Rock House #6D-32
 - Rock House #10D-32
 - Rock House #12D-32
- B) Water well None
- C) Abandoned well None
- D) Temp. abandoned well None
- E) Disposal well None
- F) Drilling /Permitted well
 - Rock House #3-32
 - Rock House #4-32
 - Rock House #5-32
 - Rock House #7-32
 - Rock House #13-32
- G) Shut in wells None
- H) Injection well None
- I) Monitoring or observation well None

Please see the attached map for additional details.

4. Location of tank batteries, production facilities and

production gathering service lines.

All production facilities are to be contained within the proposed location site. Please see the attached plat plan for a typical gas well separator installation and well site piping.

All permanent (on site for more than six months or longer) structures constructed or installed will be painted a Desert Tan color. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Desert Tan.

All tanks will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank in the battery. The integrity of the dike will be maintained.

The operator will adhere to all site security guidelines and regulation identified in 43 cfr 3126.7.

All off lease storage, off lease measurement, commingling on lease or off lease, of production, will have prior written approval from the authorized officer.

If the well is capable of economic production a surface gas line will be required.

Approximately 600' +/- of 3" gathering line would be constructed on State Lands. The line would tie into the existing pipeline in Sec. 32, T10S, R23E. The line will be strung and

boomed to the north of the access road and location.

An off lease right of way will not be required.

Please see the attached location diagrams for pipeline location. There will be no additional surface disturbances required for the installation of a gathering line.

The gas meter run will be located within 500' of the wellhead. The gas line will be buried or anchored down from the wellhead to the meter. Meter runs will be housed and/or fenced.

The gas meter will be calibrated and the tank strapped in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter.

The authorized officer 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 report will be submitted to the BLM's Vernal District office and State of Utah, Division of Oil, Gas, and Mining. All measurement facilities will conform to API (American Petroleum Institute) and AGA (American Gas Association) standards for gas and liquid hydrocarbon measurement.

5. Location and type of water supply

Water for drilling and cementing will come from the White River at

Saddle Tree Draw, Permit
T-75514.

6. Source of construction materials

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. Additional road gravel or pit lining material will be obtained from private resources.

7. Methods for handling waste disposal

A) Pit construction and liners:

The reserve pit will be approximately **12 ft.** deep and most of the depth shall be below the surface of the existing ground. Please see the attached plat for details.

The reserve pit will be lined.

The reserve pit will be used to store water for drilling. A semi-closed system will be used to drill the well. All fresh water for drilling will come from a frac tank placed on location and from the rig tank. The pit will be used to hold non-flammable materials such as cuttings, salt, drilling fluids, chemicals, produced fluids, etc.

B) Produced fluids:

Produced water will be confined to the reserve pit, or if deemed necessary, a storage tank for a period not to exceed 90 days

after initial production. During the 90-day period an application for approval for permanent disposal method and location will be submitted to the authorized officer.

C) Garbage:

A trash cage fabricated from expanded metal will be used to hold trash on location and will be removed to an authorized landfill location.

D) Sewage:

A portable chemical toilet will be supplied for human waste.

E) Site clean-up:

After the rig is moved off the location the well site area will be cleaned and all refuse removed.

8. Ancillary facilities

There are no ancillary facilities planned at this time and none are foreseen for the future.

9. Well-site layout

Location dimensions are as follows:

- A) Pad length 345 ft.
- B) Pad width 200 ft.
- C) Pit depth 12 ft.
- D) Pit length 180 ft.
- E) Pit width 50 ft.
- F) Max cut 40.9 ft.
- G) Max fill 27.3 ft
- H) Total cut yds. 24,250 cu yds.

I) Pit location Northeast side

J) Top soil location

South end

K) Access road location

North end

L) Flare Pit

corner B

Please see the attached location diagram for additional details.

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 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 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 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 ft.
- E) All wire shall be stretched by using a stretching device before it is attached to the corner posts.

10. Plans for restoration of the surface

Prior to construction of the location, the top 6 inches of soil material will be stripped off the location and the pit area. The topsoil removed and piled will amount to approximately **2,200** cubic yards of material.

Topsoil will be stockpiled in one distinct pile. Placement of the topsoil is noted on the attached location plat. The topsoil pile from the location will be seeded as soon as the soil is stock piled with the seed mix listed. When all drilling and completion activities have been completed and the pit back-filled the topsoil from the pit area will be spread on the pit area. The pit area will be seeded when the soil has been spread. The unused portion of the location (the area outside the dead men) will be re-contoured.

The dirt contractor will be provided with an approved copy of the surface use plan prior to construction activities.

Changes to the drainage during the construction activities shall be restored to its original line of flow or as near as possible when the pit is back-filled

All disturbed areas will be re-contoured to the approximate natural contours. Prior to back filling the pit the fences around the reserve pit will be removed.

The reserve pit will be reclaimed within 90 days of well completion. If the reserve pit has not dried sufficiently to allow back filling, an extension on the time requirement

for back filling the pit will be requested. Once reclamation activities have begun, they shall be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The objective is to keep seasonal rainfall and run off from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert the run off as needed.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas will be scarified and left with a rough surface.

A) Seeding dates:

Seed will be spread when topsoil is stock piled and when reclamation work is performed.

The seed mix and quantity list will be used whether the seed is broadcast or drilled.

B) Seed Mix

To be determined by the Authorized Officer.

11. Surface ownership:

Access road	State
Location	State
Pipe line	State

12. Other information:

chemicals will be used without prior application.

A) Vegetation

The vegetation coverage is Slight. The majority of the existing vegetation consists of non-native species. Rabbit brush, bitter brush, and Indian Rice grass and Sagebrush are also found on the location.

B) Dwellings:

There are no dwelling or other facilities within a one-mile radius of the location.

C) Archeology:

The location has been surveyed. A copy of that survey will be forwarded to your office.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the antiquities act of June 8, 1906) are discovered, all operations, which would affect such sites, will be suspended and the discovery reported promptly to the surface management agency.

D) Water:

The nearest water is the White River located 2 miles to the North.

E) Chemicals:

No pesticides, herbicides or other possible hazardous

F) Notification:

- a) Location Construction
At least forty eight (48) hours prior to construction of location and access roads.
- b) Location completion
Prior to moving on the drilling rig.
- c) Spud notice
At least twenty-four (24) hours prior to spudding the well.
- d) Casing string and cementing
At least twenty-four (24) hours prior to running casing and cementing all casing strings.
- e) BOP and related equipment tests
At least twenty-four (24) hours prior to initial pressure tests.
- f) First production notice
Within five (5) business days after the new well begins, or production resumes after well has been off production for more than 90 days.

G) Flare pit:

The flare pit will be located in **corner B** of the reserve pit outside the pit fences and 100 feet from the bore hole on the east side of the location. All fluids will be removed from the pit within 48 hours of occurrence.

13. Lessees or Operator's representative and certification

A) Representative

William A. Ryan
290 S 800 E
Rocky Mountain Consulting
Vernal, UT 84078

Office 435-789-0968
Fax 435-789-0970
Cellular 435-828-0968

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, onshore oil and gas orders, and any applicable notices to lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

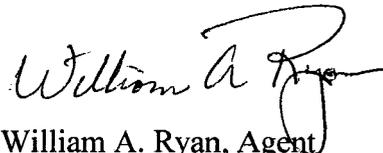
This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B) 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 which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true

and correct, and that the work associated with the operation proposed herein will be performed by The Houston Exploration Company and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Date _____



William A. Ryan, Agent
Rocky Mountain Consulting

Onsite Dates:

Top Job:

8 5/8	4% Calcium Chloride .25#/sk Cello Flake	200 sks. +/-1.10ft ³ /sk	15.6 ppg
-------	--	-------------------------------------	----------

Production casing will be cemented to 2,500' or higher as follows:

<u>Casing Size</u>	<u>Cement Type</u>	<u>Cement Amounts</u>	<u>Cement Yield</u>	<u>Cement Weight</u>
Lead: 4 1/2	Primium Lite II .25#/sk Cello Flake .05#/sk Static Free 5#/sk Kol Seal 3% Potassium Chloride .055 gps FP-6L 10% Bentonite .5 Sodium Metasilicate	200 sks +/-	3.3ft ³ /sk	11.0 ppg
Tail: 4 1/2	Class "G" .05% Static Free 2 Sodium Chloride .1% R-3 2% Bentonite	400 sks +/-	1.56ft ³ /sk	14.3 ppg

5. BOP and Pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000-psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the 8 5/8" surface casing. The BOP system including the casing will be pressure tested to minimum standards set forth in "On Shore Order #2". The BOP will be mechanically checked daily during the drilling operation.

Statement of use of Hazardous Materials

No chemical(s) from the EPA's consolidated list of Chemicals subject to Reporting under Title III of the Superfund Amendments and Reauthorization, Act (SARA) of 1986 will be used, produced, transported, stored, disposed, or associated with the proposed action. No extremely hazardous substances, as defined in 40 cfr 355, will be used, produced, stored, transported, disposed, or associated with the proposed action.

If you require additional information please contact:

William A Ryan
Agent for The Houston Exploration Company
Rocky Mountain Consulting
290 S 800 E
Vernal, UT 84078

435-789-0968 Office
435-828-0968 Cell
435-789-0970 Fax

THE HOUSTON EXPLORATION COMPANY

ROCK HOUSE #9-32

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R23E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

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

LOCATION PHOTOS

01 27 05
MONTH DAY YEAR

PHOTO

TAKEN BY: B.B.

DRAWN BY: P.M.

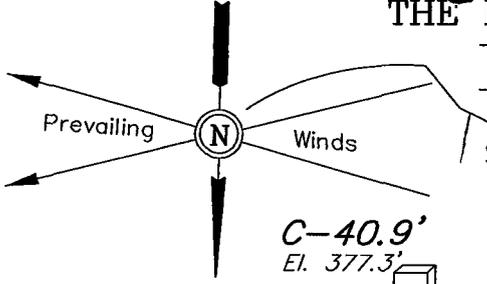
REVISED: 00-00-00

THE HOUSTON EXPLORATION COMPANY

FIGURE #1

LOCATION LAYOUT FOR

ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL



SCALE: 1" = 50'
DATE: 01-28-05
Drawn By: P.M.

C-40.9'
El. 377.3'

C-16.9'
El. 353.3'

F-4.8'
El. 331.6'

Sta. 3+45

NOTE:

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

Pit Capacity With 2' of Freeboard is ± 8,340 Bbbls.



C-23.6'
El. 360.0'

NOTE:

Earthwork Calculations Require a Fill of 1.7' @ 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.

NOTE:

Steeper Slope as Needed to Avoid Drainage

EDGE OF EXISTING DRAINAGE DO NOT DISTURB

[Handwritten signature]

El. 351.0'
C-26.6'
(btm. pit)

C-10.8'
El. 347.2'

F-1.7'
El. 334.7'

F-17.0'
El. 319.4'

Sta. 1+65

Approx. Top of Cut Slope

15' WIDE BENCH

RESERVE PITS (12' Deep)

SLOPE = 1-1/2 : 1

Sta. 0+18

El. 339.4'
C-15.0'
(btm. pit)

F-12.5'
El. 323.9'

STORAGE TANK

Sta. 0+00

NOTES:

Reserve Pit Backfill & Spoils Stockpile

Elev. Ungraded Ground At Loc. Stake = 5334.7'

FINISHED GRADE ELEV. AT LOC. STAKE = 5336.4'

Approx. Toe of Fill Slope

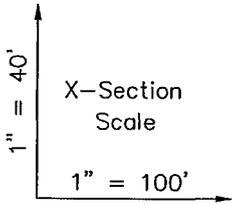
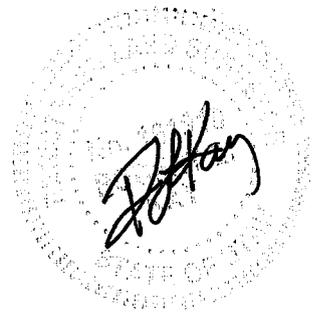
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

THE HOUSTON EXPLORATION COMPANY

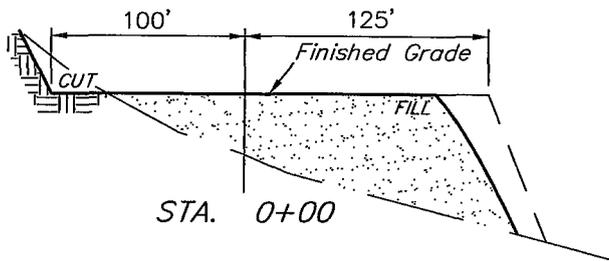
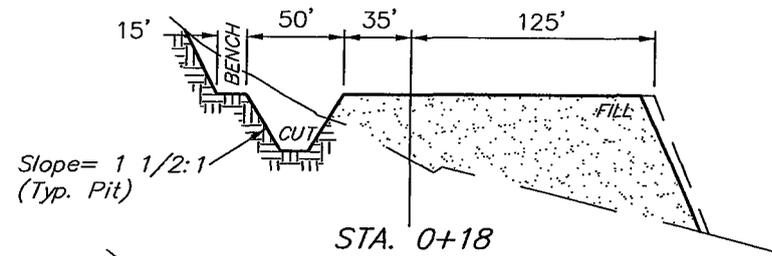
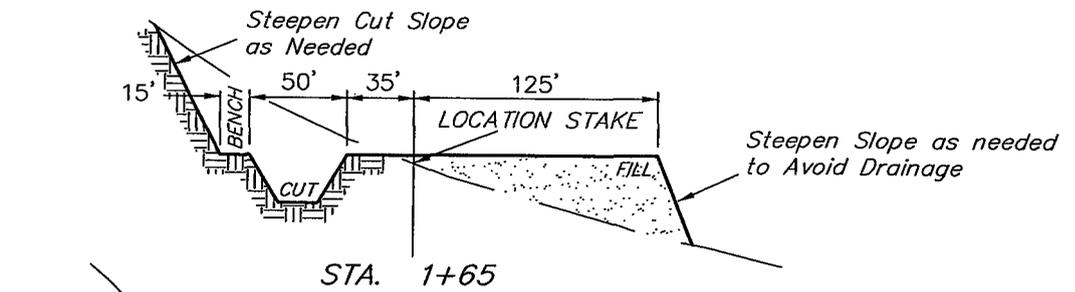
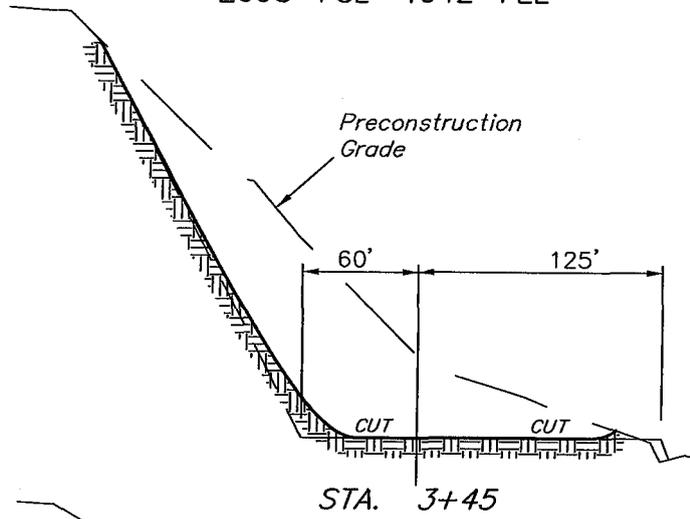
FIGURE #2

TYPICAL CROSS SECTIONS FOR

ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL



DATE: 01-28-05
Drawn By: P.M.



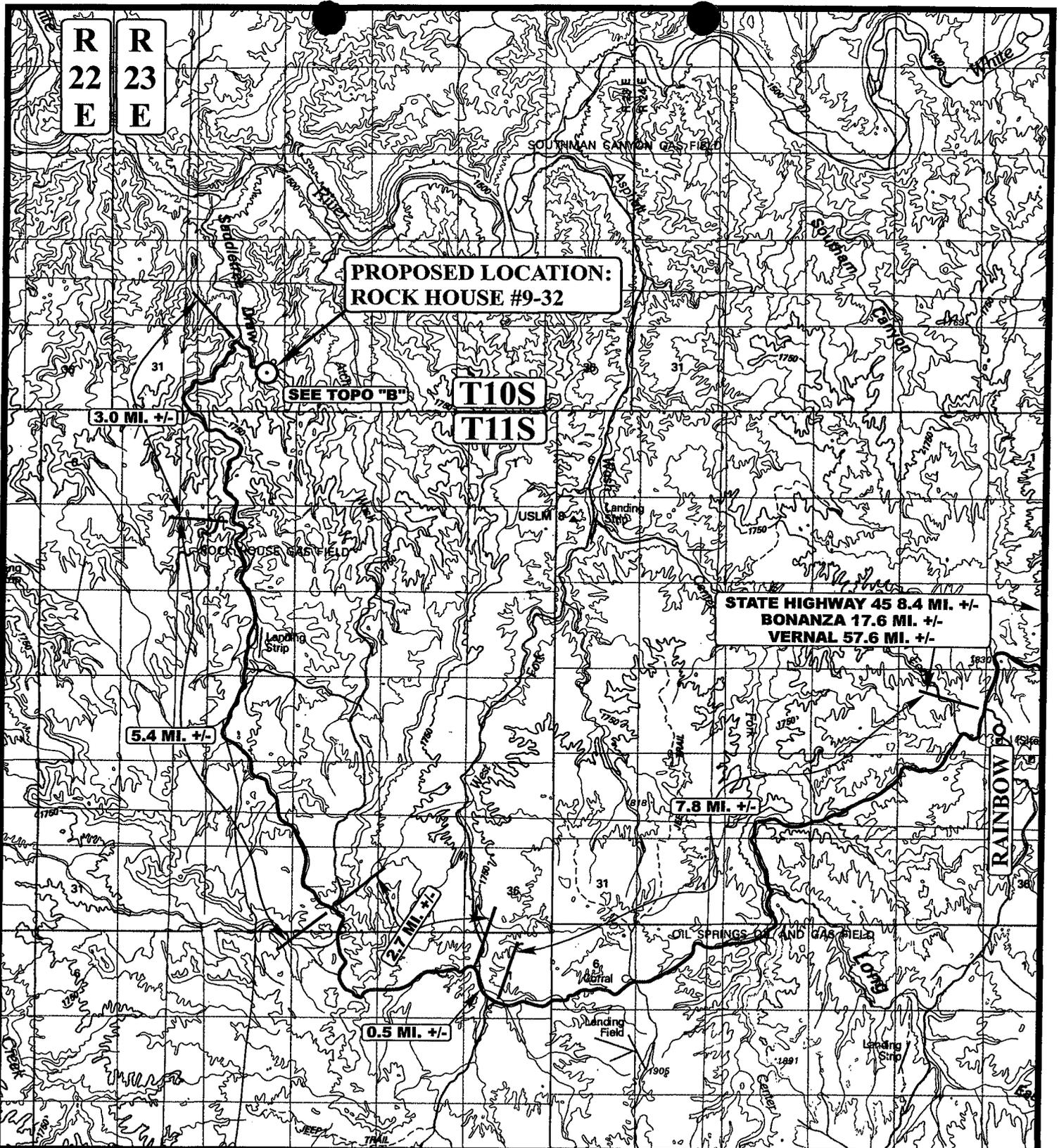
* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	=	2,200 Cu. Yds.
Remaining Location	=	22,050 Cu. Yds.
TOTAL CUT	=	24,250 CU.YDS.
FILL	=	20,870 CU.YDS.

EXCESS MATERIAL	=	3,380 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,380 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

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**PROPOSED LOCATION:
ROCK HOUSE #9-32**

SEE TOPO "B"

T10S

T11S

3.0 MI. +/-

5.4 MI. +/-

0.5 MI. +/-

STATE HIGHWAY 45 8.4 MI. +/-
BONANZA 17.6 MI. +/-
VERNAL 57.6 MI. +/-

7.8 MI. +/-

2.7 MI. +/-

LEGEND:

○ PROPOSED LOCATION



THE HOUSTON EXPLORATION COMPANY

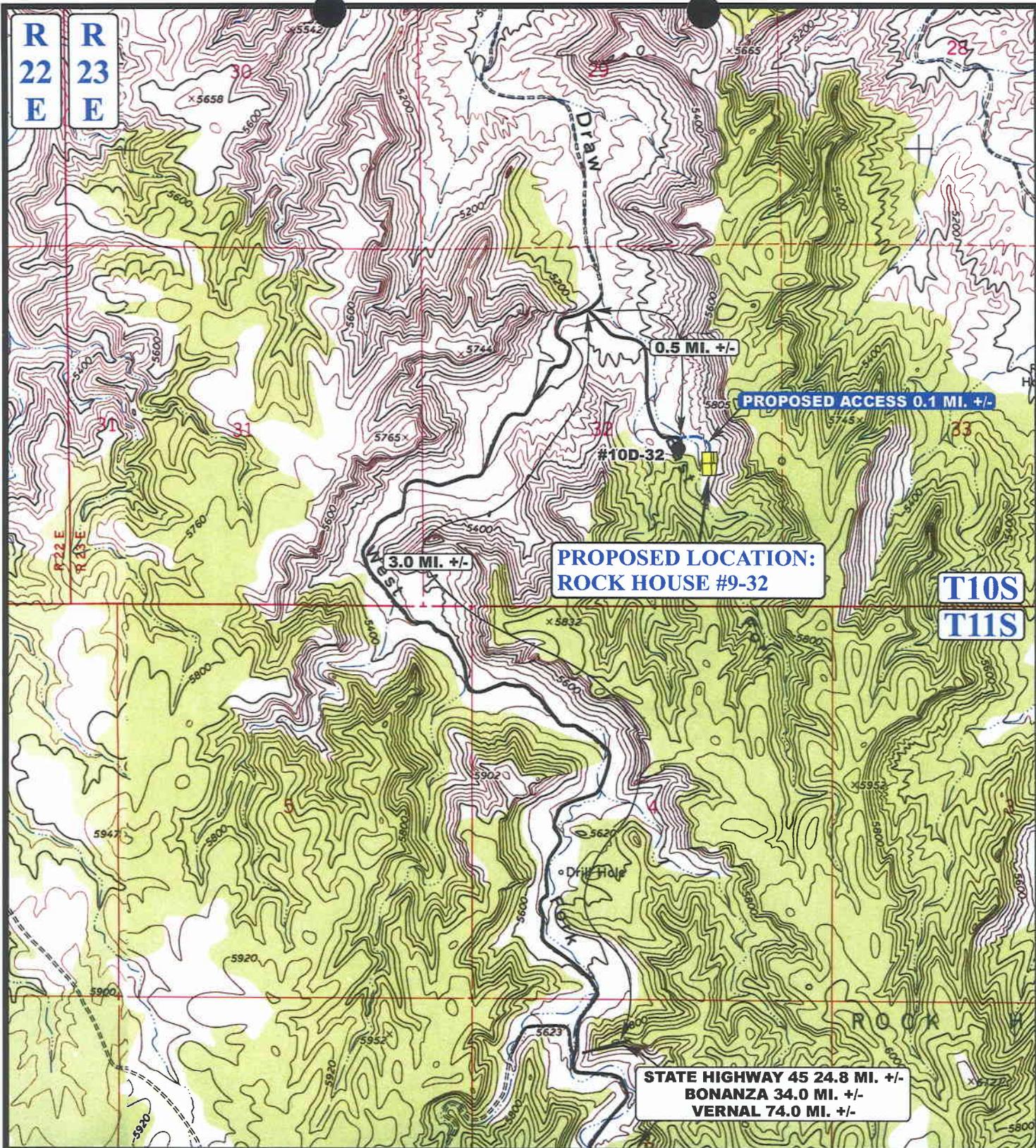
**ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL**



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85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 01 27 05
MAP MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 00-00-00





LEGEND:

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD

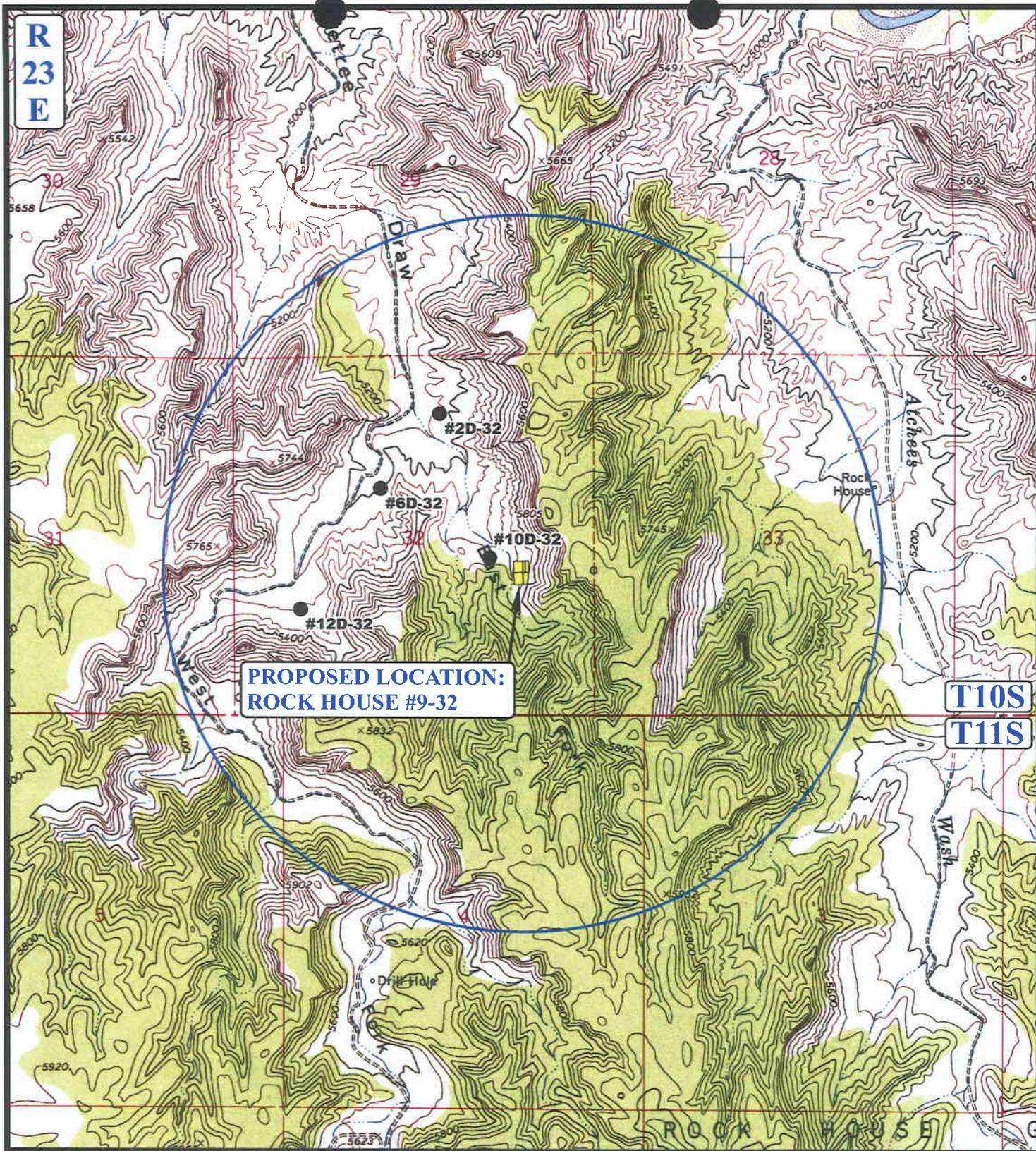


THE HOUSTON EXPLORATION COMPANY

ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL

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TOPOGRAPHIC 01 27 05
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00 **B**
 TOPO



**PROPOSED LOCATION:
ROCK HOUSE #9-32**

**T10S
T11S**

LEGEND:

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

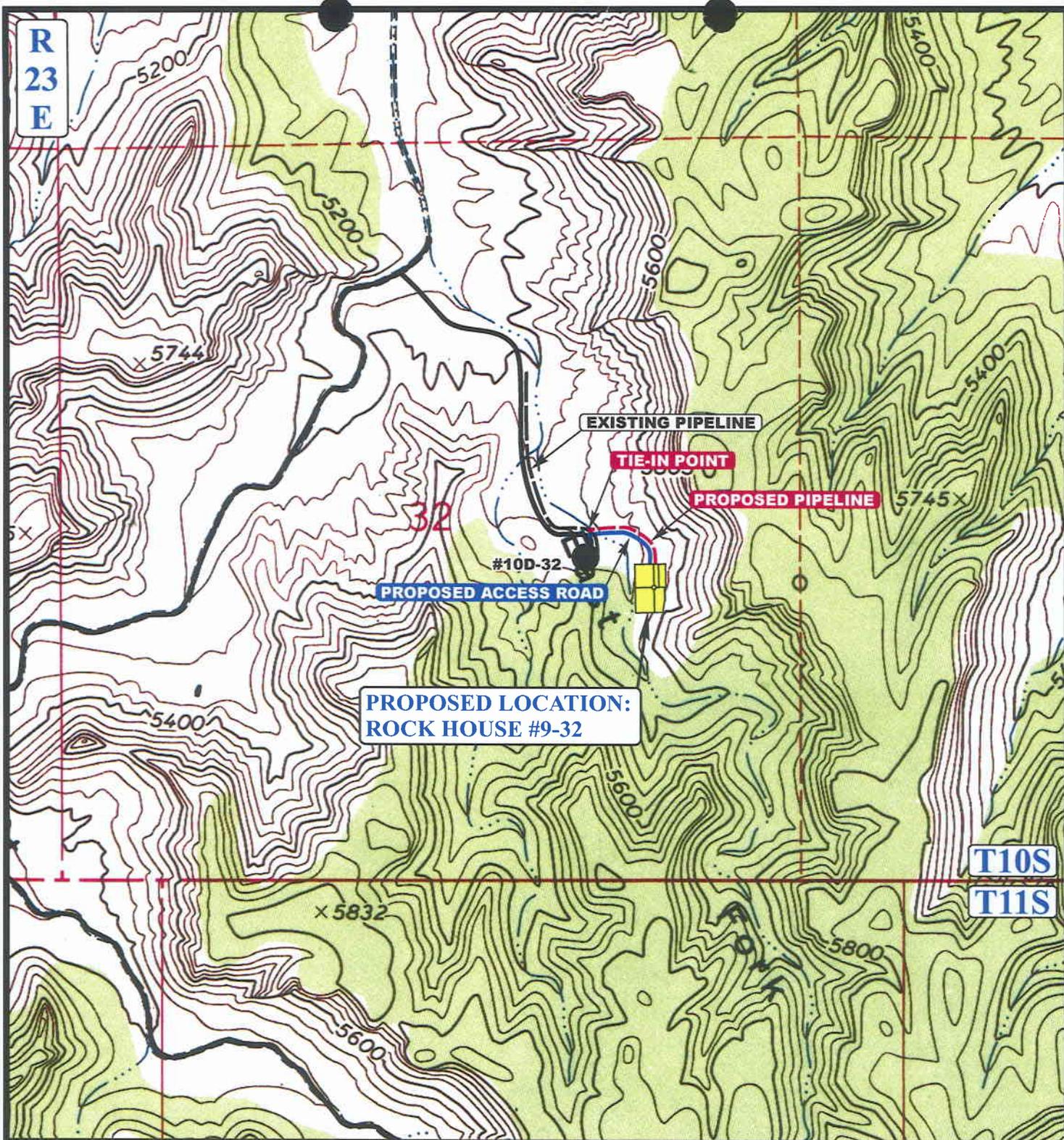


THE HOUSTON EXPLORATION COMPANY

**ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL**

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TOPOGRAPHIC MAP 01 27 05
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: P.M. [REVISED: 00-00-00] **C TOPO**



APPROXIMATE TOTAL PIPELINE DISTANCE = 600' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE



THE HOUSTON EXPLORATION COMPANY

ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL



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TOPOGRAPHIC **01** **27** **05**
MAP MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: P.M. REVISED: 00-00-00



THE HOUSTON EXPLORATION COMPANY

ROCK HOUSE #9-32
LOCATED IN UTAH COUNTY, UTAH
SECTION 32, T10S, R23E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY

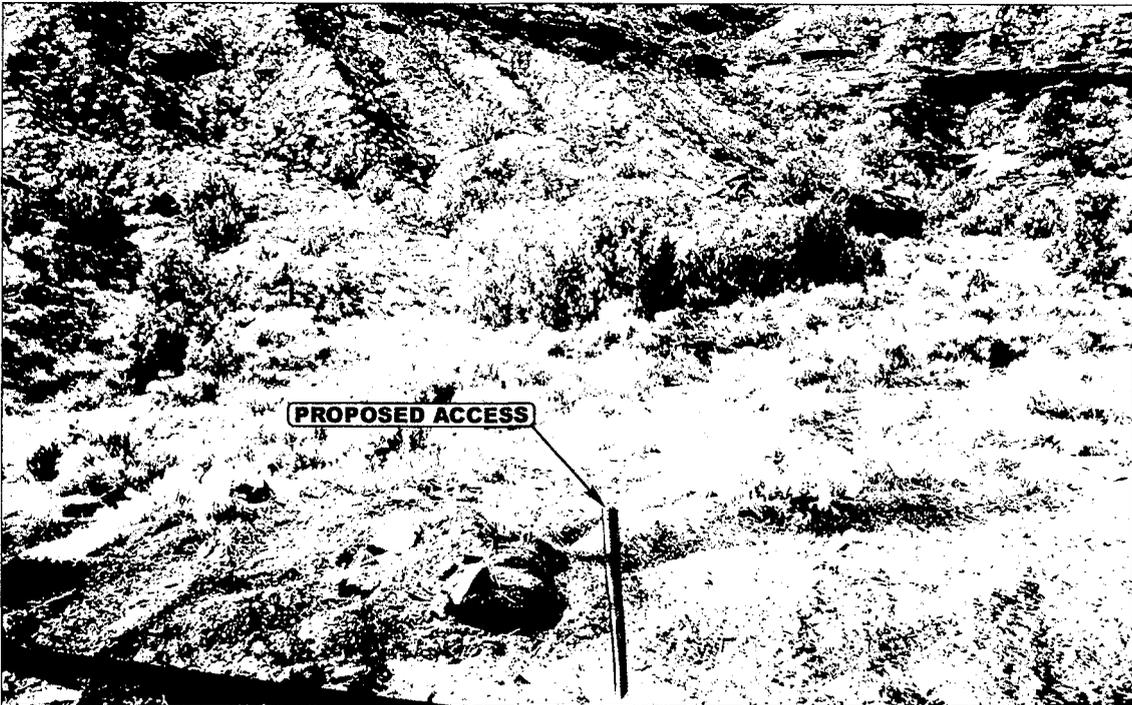


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



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

- Since 1964 -

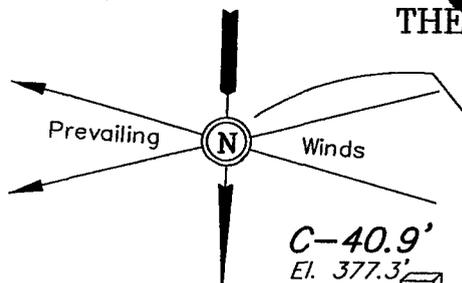
LOCATION PHOTOS	01	27	05	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: B.B.	DRAWN BY: P.M.	REVISED: 00-00-00		

THE HOUSTON EXPLORATION COMPANY

FIGURE #1

LOCATION LAYOUT FOR

ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL



SCALE: 1" = 50'
DATE: 01-28-05
Drawn By: P.M.

C-40.9'
El. 377.3'

C-16.9'
El. 353.3'

F-4.8'
El. 331.6'

Sta. 3+45

NOTE:
Steepen Slope as Needed to Avoid Drainage

NOTE:
Earthwork Calculations Require a Fill of 1.7' @ 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.

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

Pit Capacity With 2' of Freeboard is ± 8,340 Bbls.



C-23.6'
El. 360.0'

C-10.8'
El. 347.2'

F-1.7'
El. 334.7'

F-17.0'
El. 319.4'

Sta. 1+65

EDGE OF EXISTING DRAINAGE DO NOT DISTURB

Approx. Top of Cut Slope

El. 351.0'
C-26.6'
(btm. pit)

C-4.1'
El. 340.5'

C-3.4'
El. 339.8'

F-12.5'
El. 323.9'

El. 339.4'
C-15.0'
(btm. pit)

F-7.9'
El. 328.5'

F-27.3'
El. 309.1'

Sta. 0+00

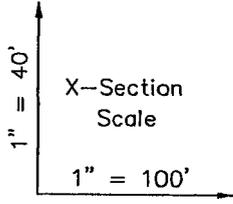
Approx. Toe of Fill Slope

NOTES:
Reserve Pit Backfill & Spoils Stockpile
Elev. Ungraded Ground At Loc. Stake = 5334.7'
FINISHED GRADE ELEV. AT LOC. STAKE = 5336.4'

THE HOUSTON EXPLORATION COMPANY

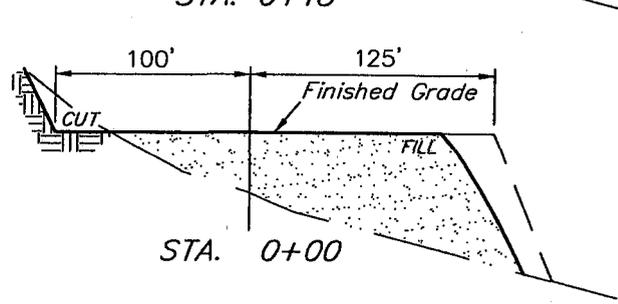
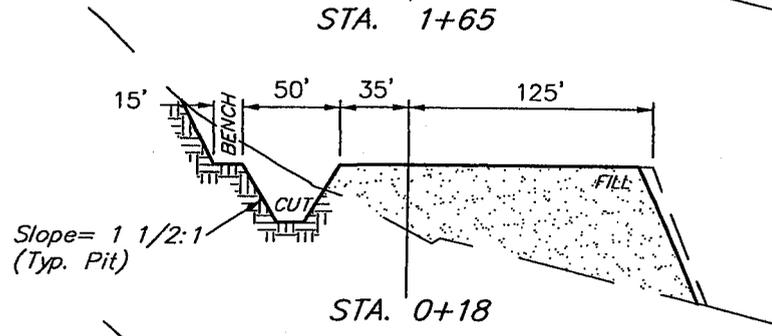
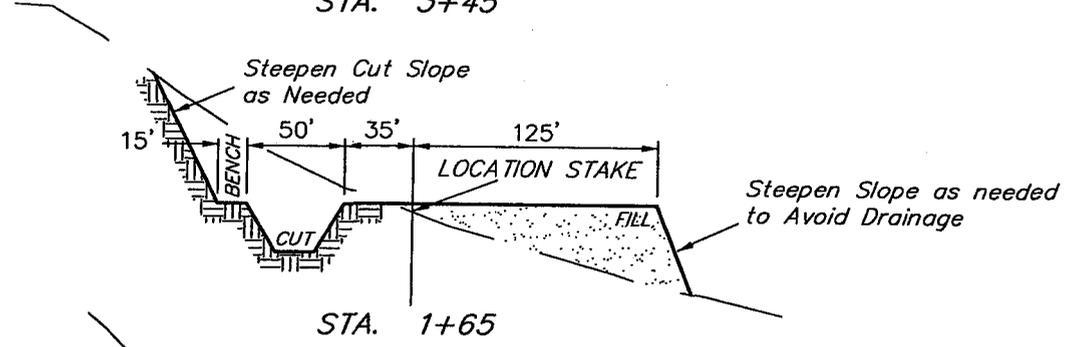
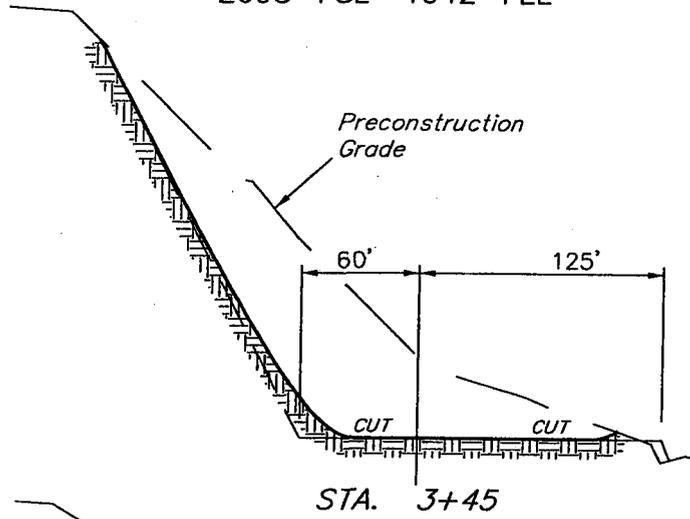
FIGURE #2

TYPICAL CROSS SECTIONS FOR ROCK HOUSE #9-32 SECTION 32, T10S, R23E, S.L.B.&M. 2098' FSL 1042' FEL



DATE: 01-28-05
Drawn By: P.M.

[Handwritten signature]

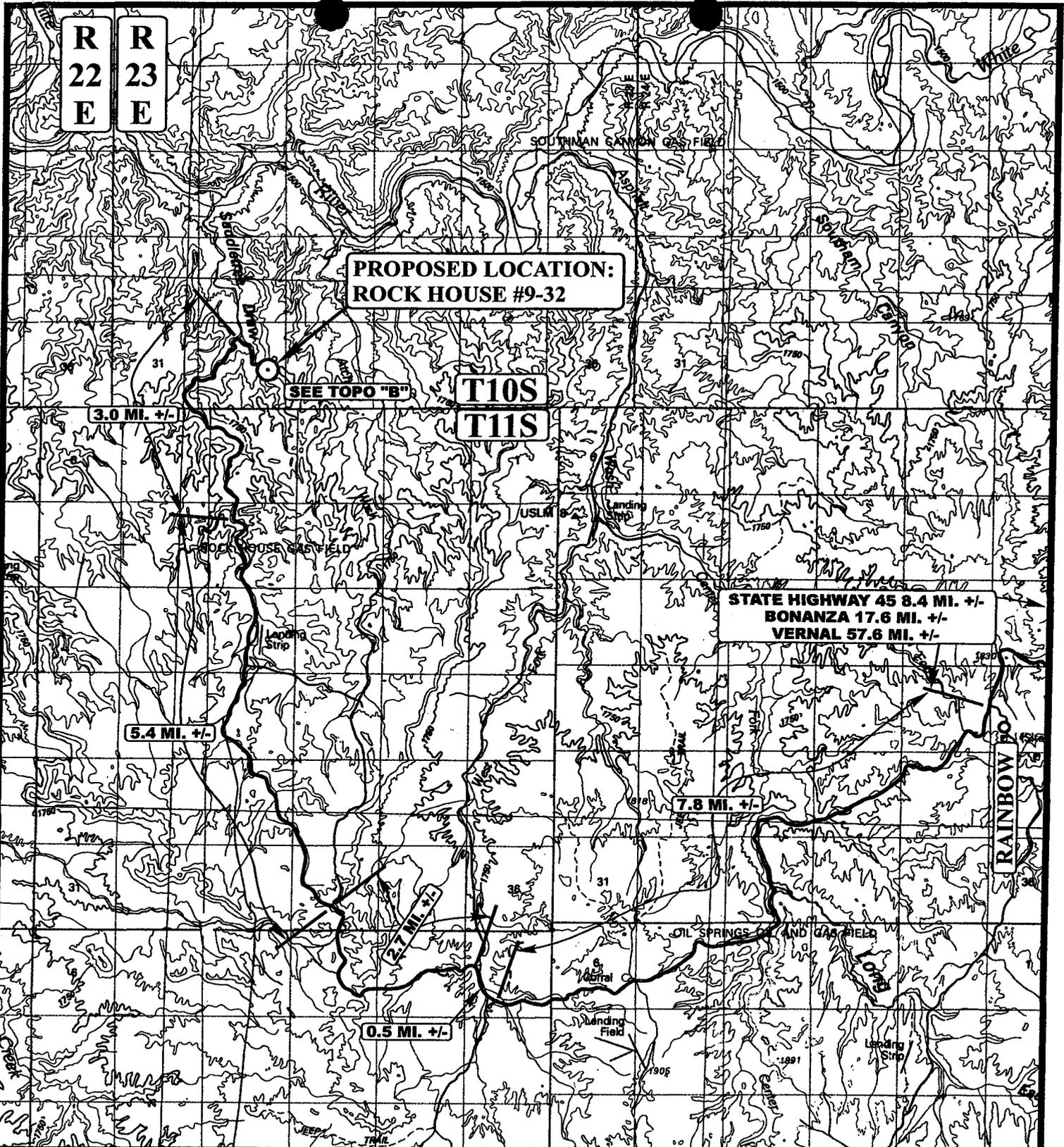


* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 2,200 Cu. Yds.
Remaining Location	= 22,050 Cu. Yds.
TOTAL CUT	= 24,250 CU.YDS.
FILL	= 20,870 CU.YDS.

EXCESS MATERIAL	= 3,380 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,380 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.



**PROPOSED LOCATION:
ROCK HOUSE #9-32**

SEE TOPO "B"

**T10S
T11S**

**STATE HIGHWAY 45 8.4 MI. +/-
BONANZA 17.6 MI. +/-
VERNAL 57.6 MI. +/-**

5.4 MI. +/-

7.8 MI. +/-

0.5 MI. +/-

LEGEND:

⊙ PROPOSED LOCATION

N

THE HOUSTON EXPLORATION COMPANY

**ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL**



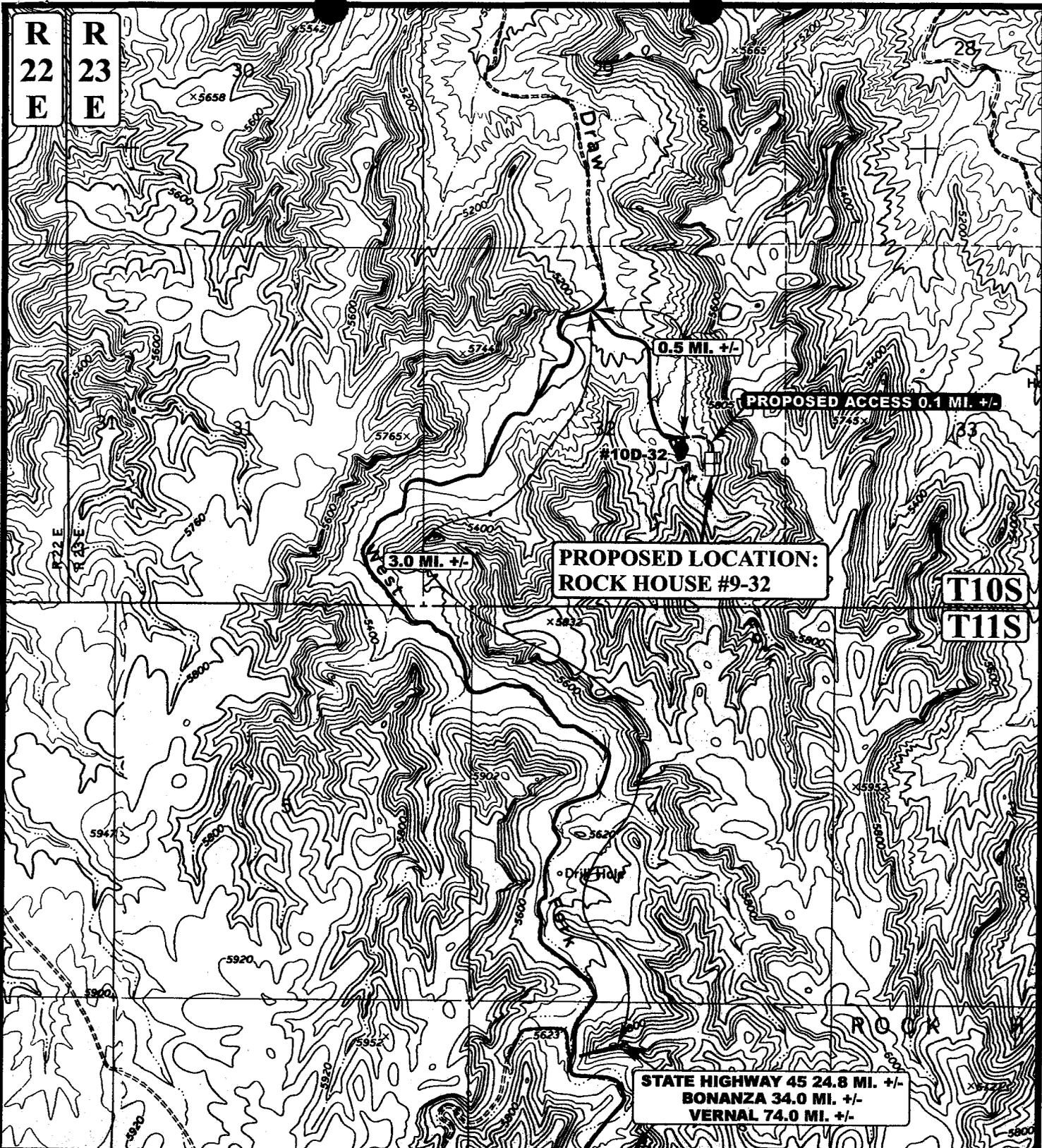
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

01	27	05
MONTH	DAY	YEAR

SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 00-00-00





LEGEND:

————— EXISTING ROAD

- - - - - PROPOSED ACCESS ROAD



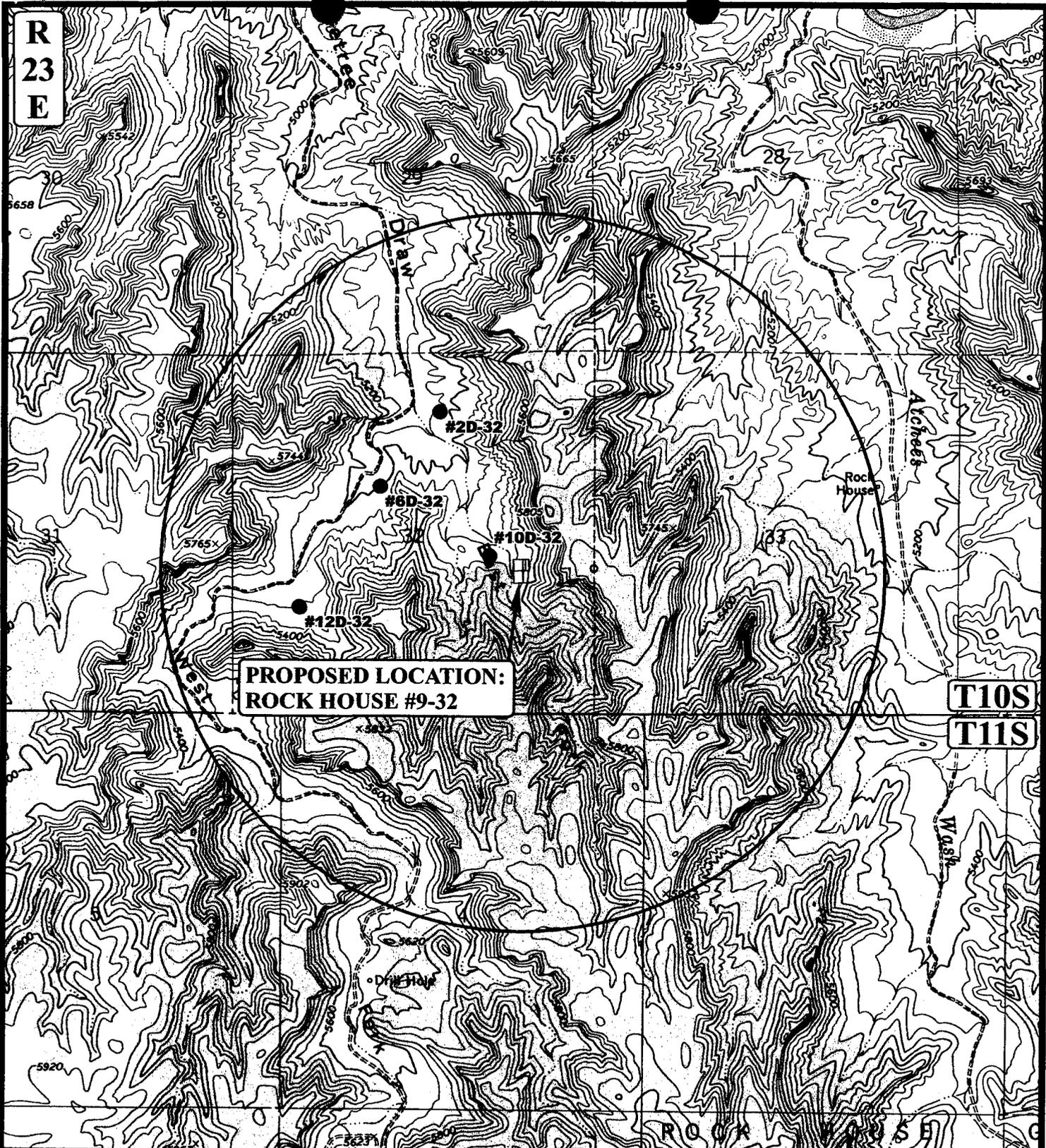
THE HOUSTON EXPLORATION COMPANY

ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL

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TOPOGRAPHIC 01 27 05
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00

B
TOPO



LEGEND:

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

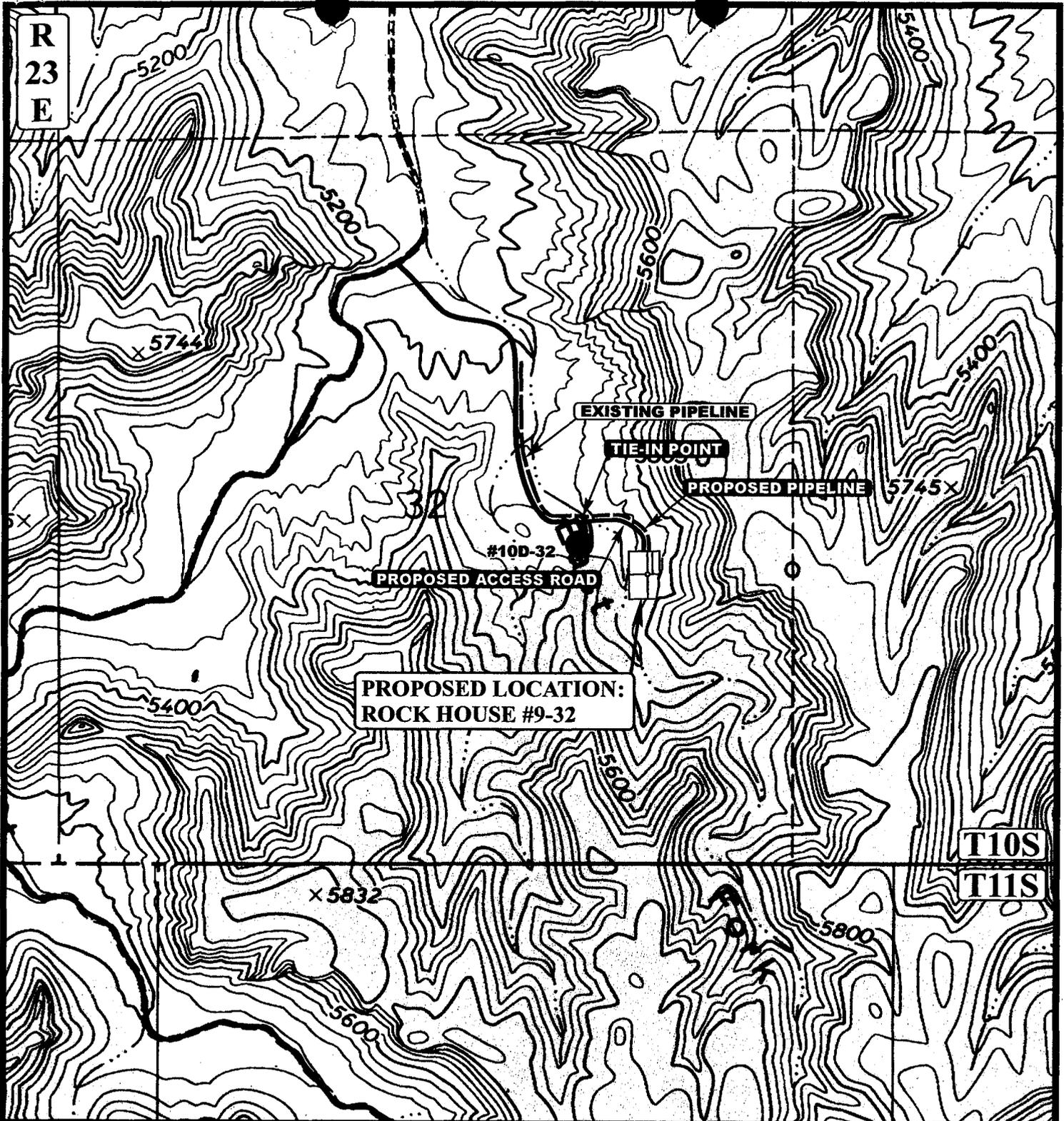
U&L S Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813



THE HOUSTON EXPLORATION COMPANY

ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL

TOPOGRAPHIC 01 27 05
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00 **C**
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 600' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE



THE HOUSTON EXPLORATION COMPANY

ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL



Uintah Engineering & Land Surveying
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TOPOGRAPHIC 01 27 05
M A P MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: P.M. REVISED: 00-00-00



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/03/2005

API NO. ASSIGNED: 43-047-36337

WELL NAME: ROCK HOUSE 9-32-10-23
 OPERATOR: HOUSTON EXPLORATION CO, (N2525)
 CONTACT: BILL RYAN

PHONE NUMBER: 435-789-0968

PROPOSED LOCATION:

NESE 32 100S 230E
 SURFACE: 2098 FSL 1042 FEL
 BOTTOM: 1750 FSL 0660 FEL
 UINTAH
 NATURAL BUTTES (630)
 LEASE TYPE: 3 - State
 LEASE NUMBER: ML-47063
 SURFACE OWNER: 3 - State
 PROPOSED FORMATION: CSLGT
 COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DRK	11/1/05
Geology		
Surface		

LATITUDE: 39.90393
 LONGITUDE: -109.3443

RECEIVED AND/OR REVIEWED:

___ Plat
 ___ Bond: Fed[] Ind[] Sta[] Fee[]
 (No. 104155044)
 ___ Potash (Y/N)
 ___ Oil Shale 190-5 (B) or 190-3 or 190-13
 ___ Water Permit
 (No. T75514)
 ___ RDCC Review (Y/N)
 (Date: _____)
 ___ Fee Surf Agreement (Y/N)
 ___ Intent to Commingle (Y/N)

LOCATION AND SITING:

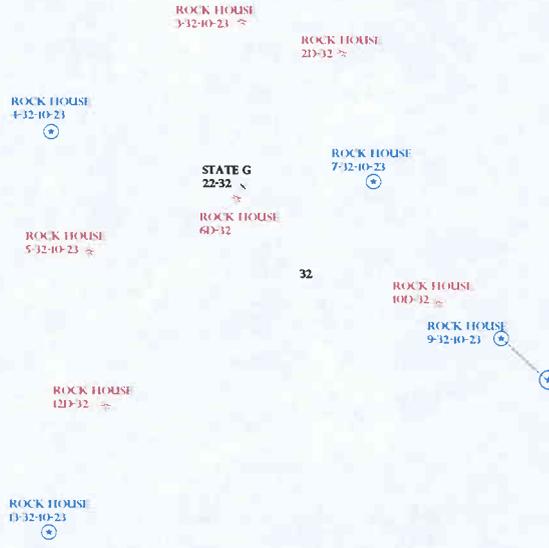
___ R649-2-3.
 Unit _____
 ___ R649-3-2. General
 Siting: 460 From Qtr/Qtr & 920' Between Wells
 ___ R649-3-3. Exception
 ___ Drilling Unit
 Board Cause No: _____
 Eff Date: _____
 Siting: _____
 ✓ R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: ① 4 1/2" production string shall be cemented back to ± 3000' to isolate Washita Fm.

NATURAL BUTTES FIELD

T10S R23E



T11S R23E

ROCK HOUSE FIELD ROCK HOUSE UNIT

OPERATOR: THE HOUSTON EXPL CO (N2525)

SEC: 32 T. 10S R. 23E

FIELD: NATURAL BUTTES (630)

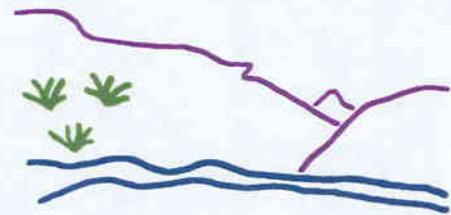
COUNTY: UNITAH

SPACING: R649-3-11 / DIRECTIONAL DRILLING

Field Status	
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

Unit Status	
	EXPLORATORY
	GAS STORAGE
	NF PP OIL
	NF SECONDARY
	PENDING
	PI OIL
	PP GAS
	PP GEOTHERML
	PP OIL
	SECONDARY
	TERMINATED

Wells Status	
	GAS INJECTION
	GAS STORAGE
	LOCATION ABANDONED
	NEW LOCATION
	PLUGGED & ABANDONED
	PRODUCING GAS
	PRODUCING OIL
	SHUT-IN GAS
	SHUT-IN OIL
	TEMP. ABANDONED
	TEST WELL
	WATER INJECTION
	WATER SUPPLY
	WATER DISPOSAL
	DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 26-OCTOBER-2005

ENDURING RESOURCES
Rock House 9-32-10-23
Uintah County, Utah



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	132.33	0.00	0.00	0.00	0.00	0.00	0.00	
2	2012.00	0.00	132.33	2012.00	0.00	0.00	0.00	132.33	0.00	
3	2452.00	22.00	132.33	2441.27	-56.19	61.68	5.00	132.33	83.44	
4	2652.00	22.00	132.33	2626.70	-106.65	117.07	0.00	0.00	158.36	
5	3218.67	5.00	132.33	3175.69	-195.41	214.50	3.00	180.00	290.16	
6	7509.30	5.00	132.33	7450.00	-447.24	490.94	0.00	0.00	664.12	

SITE DETAILS	
Rock House 9-32-10-23	
NE/SE Sec. 32, T10S, R23E, Uintah County, Utah	
2098' FSL & 1042' FEL	
Site Centre Latitude:	39°54'14.240N
Longitude:	109°20'42.210W
Ground Level:	5335.00
Positional Uncertainty:	0.00
Convergence:	1.38

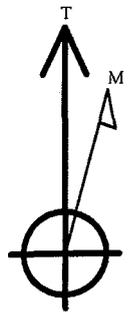
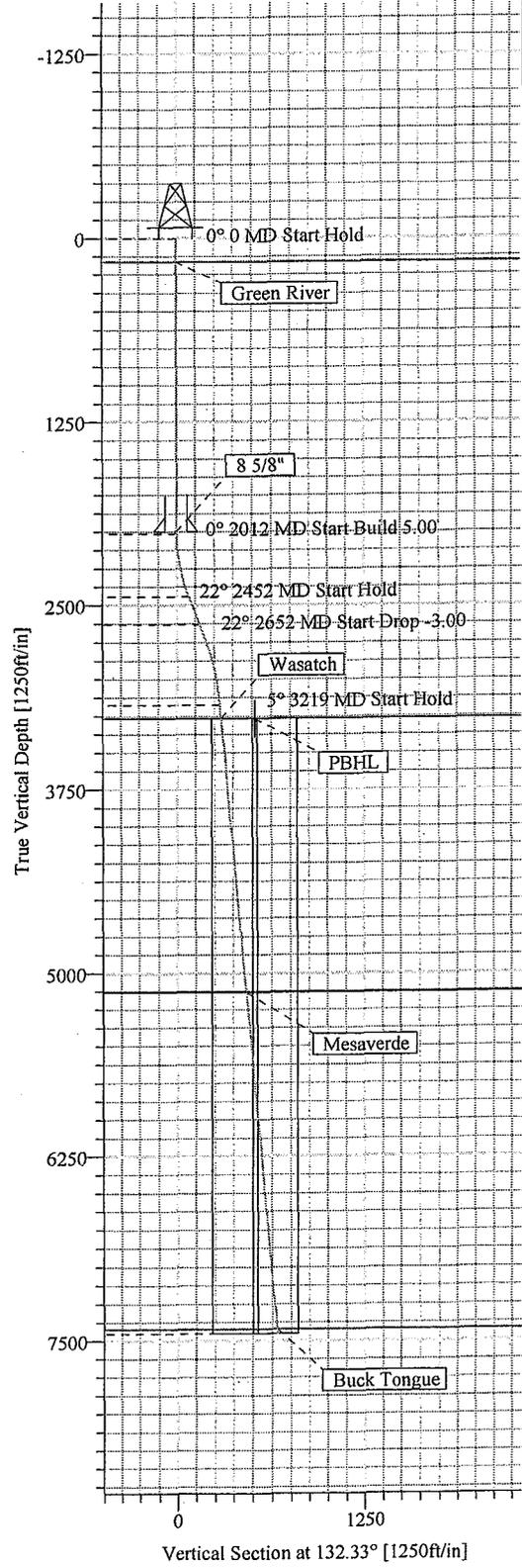
WELL DETAILS							
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Rock House 9-32-10-23	0.00	0.00	7141035.94	2244881.89	39°54'14.240N	109°20'42.210W	N/A

TARGET DETAILS				
Name	TVD	+N/-S	+E/-W	Shape
PBHL	3267.00	-348.00	382.00	Rectangle (400x400)

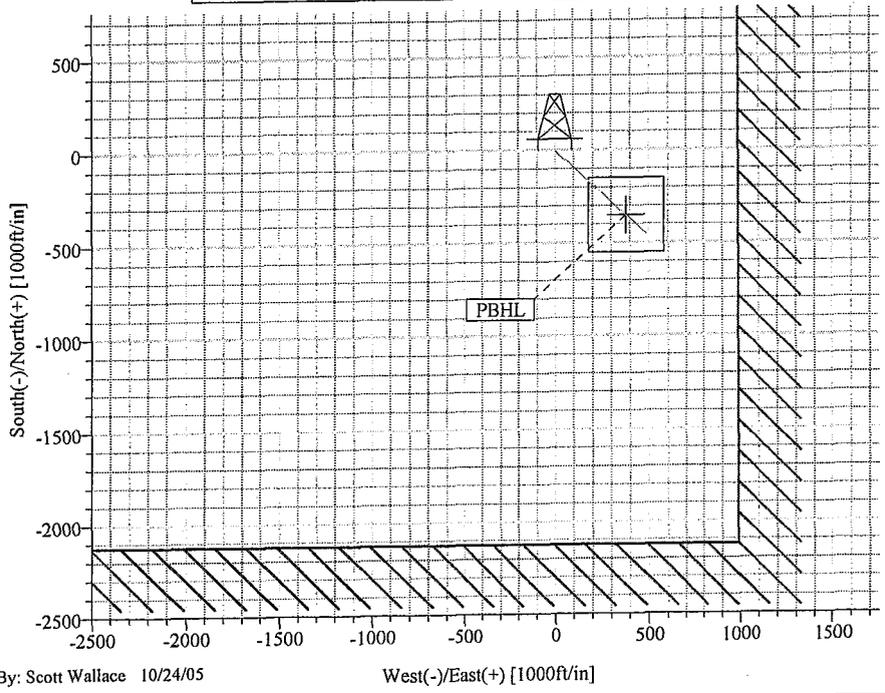
FIELD DETAILS	
Natural Buttes	Utah U.S.A.
Geodetic System:	US State Plane Coordinate System 1983
Ellipsoid:	GRS 1980
Zone:	Utah, Central Zone
Magnetic Model:	igrf2005
System Datum:	Mean Sea Level
Local North:	True North

CASING DETAILS				
No.	TVD	MD	Name	Size
1	2000.00	2000.00	8 5/8"	8.625

FORMATION TOP DETAILS			
No.	TVDPath	MDPath	Formation
1	162.00	162.00	Green River
2	3267.00	3310.32	Wasatch
3	5132.00	5182.44	Mesaverde
4	7422.00	7481.19	Buck Tongue



Azimuths to True North
Magnetic North: 11.71°
Magnetic Field Strength: 52915nT
Dip Angle: 65.97°
Date: 10/24/2005
Model: igrf2005
Total Correction: 11.71°



Vertical Section at 132.33° [1250ft/in]

Created By: Scott Wallace 10/24/05

West(-)/East(+) [1000ft/in]

Weatherford International Planning Report

Company: Enduring Resources
 Field: Natural Buttes
 Site: Rock House 9-32-10-23
 Well: Rock House 9-32-10-23
 Wellpath: 1

Date: 10/24/2005 Time: 13:47:21 Page: 2
 Co-ordinate(N/E) Reference: Site: Rock House 9-32-10-23, True North
 Vertical (TVD) Reference: SITE 5347.0
 Section (VS) Reference: Site (0.00N,0.00E,132.33Azi)
 Plan: Plan #1

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1700.00	0.00	132.33	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	132.33
1800.00	0.00	132.33	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	132.33
1900.00	0.00	132.33	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	132.33
2000.00	0.00	132.33	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	132.33
2012.00	0.00	132.33	2012.00	0.00	0.00	0.00	0.00	0.00	0.00	132.33

Section 2 : Start Build 5.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2100.00	4.40	132.33	2099.91	-2.27	2.50	3.38	5.00	5.00	0.00	0.00
2200.00	9.40	132.33	2199.16	-10.36	11.37	15.39	5.00	5.00	0.00	0.00
2300.00	14.40	132.33	2296.98	-24.24	26.61	36.00	5.00	5.00	0.00	0.00
2400.00	19.40	132.33	2392.63	-43.82	48.10	65.06	5.00	5.00	0.00	0.00
2452.00	22.00	132.33	2441.27	-56.19	61.68	83.44	5.00	5.00	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2500.00	22.00	132.33	2485.77	-68.30	74.98	101.42	0.00	0.00	0.00	0.00
2600.00	22.00	132.33	2578.49	-93.53	102.67	138.88	0.00	0.00	0.00	0.00
2652.00	22.00	132.33	2626.70	-106.65	117.07	158.36	0.00	0.00	0.00	0.00

Section 4 : Start Drop -3.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2700.00	20.56	132.33	2671.43	-118.38	129.95	175.78	3.00	-3.00	0.00	180.00
2800.00	17.56	132.33	2765.94	-140.37	154.08	208.43	3.00	-3.00	0.00	180.00
2900.00	14.56	132.33	2862.02	-159.00	174.53	236.10	3.00	-3.00	0.00	180.00
3000.00	11.56	132.33	2959.43	-174.21	191.23	258.69	3.00	-3.00	0.00	180.00
3100.00	8.56	132.33	3057.88	-185.98	204.15	276.16	3.00	-3.00	0.00	180.00
3200.00	5.56	132.33	3157.11	-194.25	213.23	288.45	3.00	-3.00	0.00	180.00
3218.67	5.00	132.33	3175.69	-195.41	214.50	290.16	3.00	-3.00	0.00	-180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
3300.00	5.00	132.33	3256.72	-200.18	219.74	297.25	0.00	0.00	0.00	180.00
3310.32	5.00	132.33	3267.00	-200.79	220.41	298.15	0.00	0.00	0.00	180.00
3400.00	5.00	132.33	3356.34	-206.05	226.18	305.97	0.00	0.00	0.00	180.00
3500.00	5.00	132.33	3455.96	-211.92	232.63	314.68	0.00	0.00	0.00	180.00
3600.00	5.00	132.33	3555.58	-217.79	239.07	323.40	0.00	0.00	0.00	180.00
3700.00	5.00	132.33	3655.20	-223.66	245.51	332.11	0.00	0.00	0.00	180.00
3800.00	5.00	132.33	3754.82	-229.53	251.95	340.83	0.00	0.00	0.00	180.00
3900.00	5.00	132.33	3854.44	-235.40	258.40	349.55	0.00	0.00	0.00	180.00
4000.00	5.00	132.33	3954.06	-241.27	264.84	358.26	0.00	0.00	0.00	180.00
4100.00	5.00	132.33	4053.67	-247.14	271.28	366.98	0.00	0.00	0.00	180.00
4200.00	5.00	132.33	4153.29	-253.01	277.73	375.69	0.00	0.00	0.00	180.00
4300.00	5.00	132.33	4252.91	-258.88	284.17	384.41	0.00	0.00	0.00	180.00
4400.00	5.00	132.33	4352.53	-264.75	290.61	393.12	0.00	0.00	0.00	180.00
4500.00	5.00	132.33	4452.15	-270.62	297.06	401.84	0.00	0.00	0.00	180.00
4600.00	5.00	132.33	4551.77	-276.49	303.50	410.55	0.00	0.00	0.00	180.00
4700.00	5.00	132.33	4651.39	-282.35	309.94	419.27	0.00	0.00	0.00	180.00
4800.00	5.00	132.33	4751.01	-288.22	316.38	427.99	0.00	0.00	0.00	180.00
4900.00	5.00	132.33	4850.63	-294.09	322.83	436.70	0.00	0.00	0.00	180.00
5000.00	5.00	132.33	4950.25	-299.96	329.27	445.42	0.00	0.00	0.00	180.00
5100.00	5.00	132.33	5049.87	-305.83	335.71	454.13	0.00	0.00	0.00	180.00
5182.44	5.00	132.33	5132.00	-310.67	341.02	461.32	0.00	0.00	0.00	180.00
5200.00	5.00	132.33	5149.49	-311.70	342.16	462.85	0.00	0.00	0.00	180.00
5300.00	5.00	132.33	5249.11	-317.57	348.60	471.56	0.00	0.00	0.00	180.00
5400.00	5.00	132.33	5348.73	-323.44	355.04	480.28	0.00	0.00	0.00	180.00

Weatherford International Planning Report

Company: Enduring Resources
Field: Natural Buttes
Site: Rock House 9-32-10-23
Well: Rock House 9-32-10-23
Wellpath: 1

Date: 10/24/2005 **Time:** 13:47:21 **Page:** 3
Co-ordinate(NE) Reference: Site: Rock House 9-32-10-23, True North
Vertical (TVD) Reference: SITE 5347.0
Section (VS) Reference: Site (0.00N,0.00E,132.33Azi)
Plan: Plan #1

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5500.00	5.00	132.33	5448.35	-329.31	361.48	488.99	0.00	0.00	0.00	180.00
5600.00	5.00	132.33	5547.97	-335.18	367.93	497.71	0.00	0.00	0.00	180.00
5700.00	5.00	132.33	5647.59	-341.05	374.37	506.43	0.00	0.00	0.00	180.00
5800.00	5.00	132.33	5747.21	-346.92	380.81	515.14	0.00	0.00	0.00	180.00
5900.00	5.00	132.33	5846.83	-352.79	387.26	523.86	0.00	0.00	0.00	180.00
6000.00	5.00	132.33	5946.44	-358.66	393.70	532.57	0.00	0.00	0.00	180.00
6100.00	5.00	132.33	6046.06	-364.53	400.14	541.29	0.00	0.00	0.00	180.00
6200.00	5.00	132.33	6145.68	-370.40	406.58	550.00	0.00	0.00	0.00	180.00
6300.00	5.00	132.33	6245.30	-376.27	413.03	558.72	0.00	0.00	0.00	180.00
6400.00	5.00	132.33	6344.92	-382.14	419.47	567.43	0.00	0.00	0.00	180.00
6500.00	5.00	132.33	6444.54	-388.00	425.91	576.15	0.00	0.00	0.00	180.00
6600.00	5.00	132.33	6544.16	-393.87	432.36	584.87	0.00	0.00	0.00	180.00
6700.00	5.00	132.33	6643.78	-399.74	438.80	593.58	0.00	0.00	0.00	180.00
6800.00	5.00	132.33	6743.40	-405.61	445.24	602.30	0.00	0.00	0.00	180.00
6900.00	5.00	132.33	6843.02	-411.48	451.68	611.01	0.00	0.00	0.00	180.00
7000.00	5.00	132.33	6942.64	-417.35	458.13	619.73	0.00	0.00	0.00	180.00
7100.00	5.00	132.33	7042.26	-423.22	464.57	628.44	0.00	0.00	0.00	180.00
7200.00	5.00	132.33	7141.88	-429.09	471.01	637.16	0.00	0.00	0.00	180.00
7300.00	5.00	132.33	7241.50	-434.96	477.46	645.88	0.00	0.00	0.00	180.00
7400.00	5.00	132.33	7341.12	-440.83	483.90	654.59	0.00	0.00	0.00	180.00
7481.19	5.00	132.33	7422.00	-445.60	489.13	661.67	0.00	0.00	0.00	180.00
7509.30	5.00	132.33	7450.00	-447.24	490.94	664.12	0.00	0.00	0.00	180.00

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	132.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	132.33	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
162.00	0.00	132.33	162.00	0.00	0.00	0.00	0.00	0.00	0.00	Green River
200.00	0.00	132.33	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	132.33	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	132.33	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	132.33	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	132.33	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	132.33	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	132.33	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	132.33	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	132.33	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	132.33	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	132.33	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1300.00	0.00	132.33	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	132.33	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	132.33	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	132.33	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	132.33	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	132.33	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	132.33	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	132.33	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	8 5/8"
2012.00	0.00	132.33	2012.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	4.40	132.33	2099.91	-2.27	2.50	3.38	5.00	5.00	0.00	
2200.00	9.40	132.33	2199.16	-10.36	11.37	15.39	5.00	5.00	0.00	
2300.00	14.40	132.33	2296.98	-24.24	26.61	36.00	5.00	5.00	0.00	
2400.00	19.40	132.33	2392.63	-43.82	48.10	65.06	5.00	5.00	0.00	
2452.00	22.00	132.33	2441.27	-56.19	61.88	83.44	5.00	5.00	0.00	
2500.00	22.00	132.33	2485.77	-68.30	74.98	101.42	0.00	0.00	0.00	
2600.00	22.00	132.33	2578.49	-93.53	102.67	138.88	0.00	0.00	0.00	
2652.00	22.00	132.33	2626.70	-106.65	117.07	158.36	0.00	0.00	0.00	

Weatherford International

Planning Report

Company: Enduring Resources
 Field: Natural Buttes
 Site: Rock House 9-32-10-23
 Well: Rock House 9-32-10-23
 Wellpath: 1

Date: 10/24/2005 Time: 13:47:21 Page: 4
 Co-ordinate(NE) Reference: Site: Rock House 9-32-10-23, True North
 Vertical (TVD) Reference: SITE 5347.0
 Section (VS) Reference: Site (0.00N,0.00E,132.33Azi),
 Plan: Plan #1

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2700.00	20.56	132.33	2671.43	-118.38	129.95	175.78	3.00	-3.00	0.00	
2800.00	17.56	132.33	2765.94	-140.37	154.08	208.43	3.00	-3.00	0.00	
2900.00	14.56	132.33	2862.02	-159.00	174.53	236.10	3.00	-3.00	0.00	
3000.00	11.56	132.33	2959.43	-174.21	191.23	258.69	3.00	-3.00	0.00	
3100.00	8.56	132.33	3057.88	-185.98	204.15	276.16	3.00	-3.00	0.00	
3200.00	5.56	132.33	3157.11	-194.25	213.23	288.45	3.00	-3.00	0.00	
3218.67	5.00	132.33	3175.69	-195.41	214.50	290.16	3.00	-3.00	0.00	
3300.00	5.00	132.33	3256.72	-200.18	219.74	297.25	0.00	0.00	0.00	
3310.32	5.00	132.33	3267.00	-200.79	220.41	298.15	0.00	0.00	0.00	PBHL
3400.00	5.00	132.33	3356.34	-206.05	226.18	305.97	0.00	0.00	0.00	
3500.00	5.00	132.33	3455.96	-211.92	232.63	314.68	0.00	0.00	0.00	
3600.00	5.00	132.33	3555.58	-217.79	239.07	323.40	0.00	0.00	0.00	
3700.00	5.00	132.33	3655.20	-223.66	245.51	332.11	0.00	0.00	0.00	
3800.00	5.00	132.33	3754.82	-229.53	251.95	340.83	0.00	0.00	0.00	
3900.00	5.00	132.33	3854.44	-235.40	258.40	349.55	0.00	0.00	0.00	
4000.00	5.00	132.33	3954.06	-241.27	264.84	358.26	0.00	0.00	0.00	
4100.00	5.00	132.33	4053.67	-247.14	271.28	366.98	0.00	0.00	0.00	
4200.00	5.00	132.33	4153.29	-253.01	277.73	375.69	0.00	0.00	0.00	
4300.00	5.00	132.33	4252.91	-258.88	284.17	384.41	0.00	0.00	0.00	
4400.00	5.00	132.33	4352.53	-264.75	290.61	393.12	0.00	0.00	0.00	
4500.00	5.00	132.33	4452.15	-270.62	297.06	401.84	0.00	0.00	0.00	
4600.00	5.00	132.33	4551.77	-276.49	303.50	410.55	0.00	0.00	0.00	
4700.00	5.00	132.33	4651.39	-282.35	309.94	419.27	0.00	0.00	0.00	
4800.00	5.00	132.33	4751.01	-288.22	316.38	427.99	0.00	0.00	0.00	
4900.00	5.00	132.33	4850.63	-294.09	322.83	436.70	0.00	0.00	0.00	
5000.00	5.00	132.33	4950.25	-299.96	329.27	445.42	0.00	0.00	0.00	
5100.00	5.00	132.33	5049.87	-305.83	335.71	454.13	0.00	0.00	0.00	
5182.44	5.00	132.33	5132.00	-310.67	341.02	461.32	0.00	0.00	0.00	Mesaverde
5200.00	5.00	132.33	5149.49	-311.70	342.16	462.85	0.00	0.00	0.00	
5300.00	5.00	132.33	5249.11	-317.57	348.60	471.56	0.00	0.00	0.00	
5400.00	5.00	132.33	5348.73	-323.44	355.04	480.28	0.00	0.00	0.00	
5500.00	5.00	132.33	5448.35	-329.31	361.48	488.99	0.00	0.00	0.00	
5600.00	5.00	132.33	5547.97	-335.18	367.93	497.71	0.00	0.00	0.00	
5700.00	5.00	132.33	5647.59	-341.05	374.37	506.43	0.00	0.00	0.00	
5800.00	5.00	132.33	5747.21	-346.92	380.81	515.14	0.00	0.00	0.00	
5900.00	5.00	132.33	5846.83	-352.79	387.26	523.86	0.00	0.00	0.00	
6000.00	5.00	132.33	5946.44	-358.66	393.70	532.57	0.00	0.00	0.00	
6100.00	5.00	132.33	6046.06	-364.53	400.14	541.29	0.00	0.00	0.00	
6200.00	5.00	132.33	6145.68	-370.40	406.58	550.00	0.00	0.00	0.00	
6300.00	5.00	132.33	6245.30	-376.27	413.03	558.72	0.00	0.00	0.00	
6400.00	5.00	132.33	6344.92	-382.14	419.47	567.43	0.00	0.00	0.00	
6500.00	5.00	132.33	6444.54	-388.00	425.91	576.15	0.00	0.00	0.00	
6600.00	5.00	132.33	6544.16	-393.87	432.36	584.87	0.00	0.00	0.00	
6700.00	5.00	132.33	6643.78	-399.74	438.80	593.58	0.00	0.00	0.00	
6800.00	5.00	132.33	6743.40	-405.61	445.24	602.30	0.00	0.00	0.00	
6900.00	5.00	132.33	6843.02	-411.48	451.68	611.01	0.00	0.00	0.00	
7000.00	5.00	132.33	6942.64	-417.35	458.13	619.73	0.00	0.00	0.00	
7100.00	5.00	132.33	7042.26	-423.22	464.57	628.44	0.00	0.00	0.00	
7200.00	5.00	132.33	7141.88	-429.09	471.01	637.16	0.00	0.00	0.00	
7300.00	5.00	132.33	7241.50	-434.96	477.46	645.88	0.00	0.00	0.00	
7400.00	5.00	132.33	7341.12	-440.83	483.90	654.59	0.00	0.00	0.00	
7481.19	5.00	132.33	7422.00	-445.60	489.13	661.67	0.00	0.00	0.00	Buck Tongue
7509.30	5.00	132.33	7450.00	-447.24	490.94	664.12	0.00	0.00	0.00	

Weatherford International

Planning Report

Company: Enduring Resources	Date: 10/24/2005	Time: 13:47:21	Page: 5
Field: Natural Buttes	Co-ordinate(NE) Reference: Site: Rock House 9-32-10-23, True North		
Site: Rock House 9-32-10-23	Vertical (TVD) Reference: SITE 5347.0		
Well: Rock House 9-32-10-23	Section (VS) Reference: Site (0.00N,0.00E,132.33Azi)		
Wellpath: 1	Plan: Plan #1		

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->				
								Deg	Min	Sec	Deg	Min	Sec		
PBHL			3267.00	-348.00	382.00	7140697.242245272.16		39	54	10.800	N	109	20	37.308	W
-Rectangle (400x400)															
-Plan out by 218.60 at			3267.00	-200.79	220.41	7140840.522245107.07		39	54	12.255	N	109	20	39.382	W

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2000.00	2000.00	8.625	0.000	8 5/8"

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
162.00	162.00	Green River		0.00	0.00
3310.32	3267.00	Wasatch		0.00	0.00
5182.44	5132.00	Mesaverde		0.00	0.00
7481.19	7422.00	Buck Tongue		0.00	0.00

ENDURING RESOURCES
Rock House 9-32-10-23
Uintah County, Utah



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	132.33	0.00	0.00	0.00	0.00	0.00	0.00	
2	2012.00	0.00	132.33	2012.00	0.00	0.00	0.00	132.33	0.00	
3	2912.00	18.00	132.33	2897.27	-94.43	103.65	2.00	132.33	140.21	
4	3112.00	18.00	132.33	3087.48	-136.05	149.34	0.00	0.00	202.02	
5	4912.00	0.00	132.33	4858.02	-324.90	356.64	1.00	180.00	482.44	
6	7503.98	0.00	132.33	7450.00	-324.90	356.64	0.00	132.33	482.44	

SITE DETAILS

Rock House 9-32-10-23
 NE/SE Sec. 32, T10S, R23E, Uintah County, Utah
 2098' FSL & 1042' FEL

Site Centre Latitude: 39°54'14.240N
 Longitude: 109°20'42.210W

Ground Level: 5335.00
 Positional Uncertainty: 0.00
 Convergence: 1.38

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Rock House 9-32-10-23	0.00	0.00	7141035.94	2244881.89	39°54'14.240N	109°20'42.210W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
PBHL	3267.00	-348.00	382.00	Rectangle (400x400)

FIELD DETAILS

Natural Buttes
 Utah
 U.S.A.

Geodetic System: US State Plane Coordinate System 1983
 Ellipsoid: GRS 1980
 Zone: Utah, Central Zone
 Magnetic Model: igrf2005

System Datum: Mean Sea Level
 Local North: True North

Azimuths to True North
 Magnetic North: 11.71°

Magnetic Field
 Strength: 52915nT
 Dip Angle: 65.97°
 Date: 10/24/2005
 Model: igrf2005

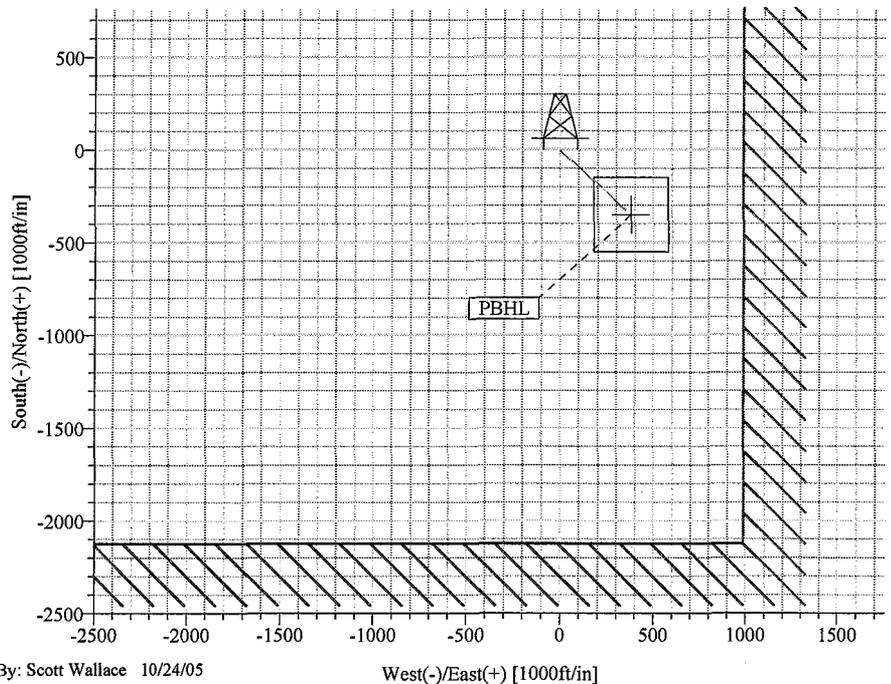
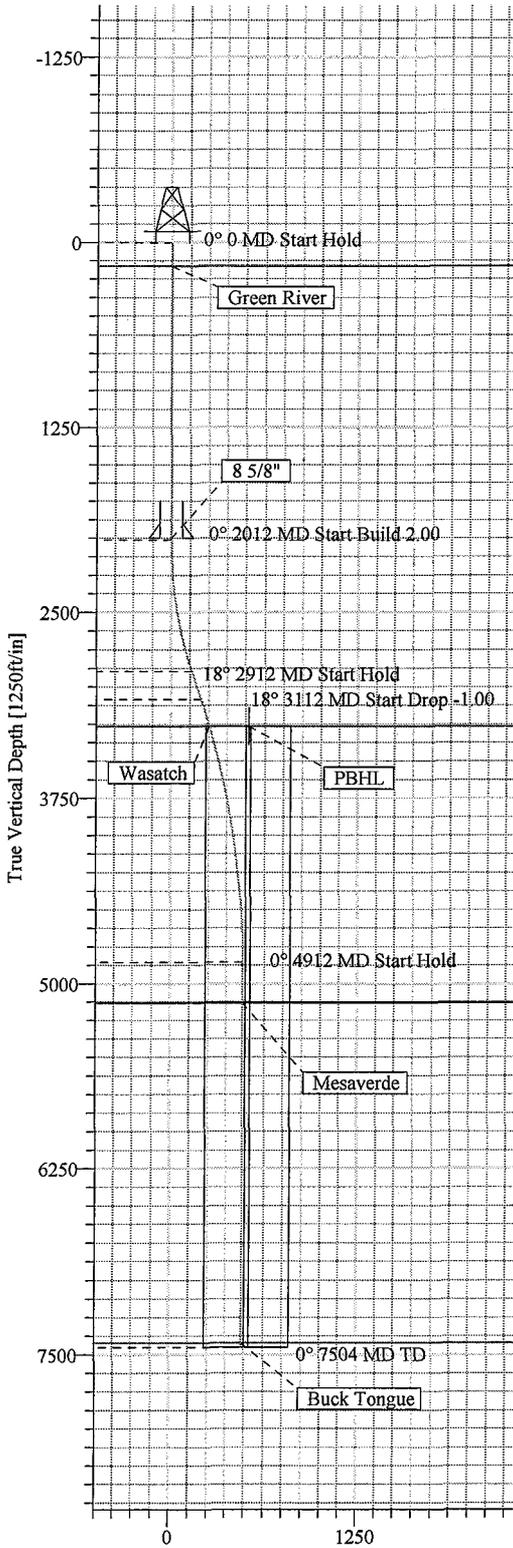
Total Correction: 11.71°

CASING DETAILS

No.	TVD	MD	Name	Size
1	2000.00	2000.00	8 5/8"	8.625

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	162.00	162.00	Green River
2	3267.00	3299.79	Wasatch
3	5132.00	5185.98	Mesaverde
4	7422.00	7475.98	Buck Tongue



Vertical Section at 132.33° [1250ft/in]

Created By: Scott Wallace 10/24/05

West(-)/East(+) [1000ft/in]

Weatherford International

Planning Report

Company: Enduring Resources
 Field: Natural Buttes
 Site: Rock House 9-32-10-23
 Well: Rock House 9-32-10-23
 Wellpath: 1

Date: 10/24/2005 Time: 15:02:34 Page: 2
 Co-ordinate(NE) Reference: Site: Rock House 9-32-10-23, True North
 Vertical (TVD) Reference: SITE 5347.0
 Section (VS) Reference: Site (0.00N,0.00E,132.33Azi)
 Plan: Plan #1 rev.1

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1700.00	0.00	132.33	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	132.33
1800.00	0.00	132.33	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	132.33
1900.00	0.00	132.33	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	132.33
2000.00	0.00	132.33	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	132.33
2012.00	0.00	132.33	2012.00	0.00	0.00	0.00	0.00	0.00	0.00	132.33

Section 2 : Start Build 2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2100.00	1.76	132.33	2099.99	-0.91	1.00	1.35	2.00	2.00	0.00	0.00
2200.00	3.76	132.33	2199.87	-4.15	4.56	6.17	2.00	2.00	0.00	0.00
2300.00	5.76	132.33	2299.52	-9.74	10.69	14.46	2.00	2.00	0.00	0.00
2400.00	7.76	132.33	2398.81	-17.67	19.39	26.23	2.00	2.00	0.00	0.00
2500.00	9.76	132.33	2497.64	-27.92	30.65	41.46	2.00	2.00	0.00	0.00
2600.00	11.76	132.33	2595.88	-40.50	44.45	60.13	2.00	2.00	0.00	0.00
2700.00	13.76	132.33	2693.41	-55.37	60.78	82.22	2.00	2.00	0.00	0.00
2800.00	15.76	132.33	2790.10	-72.53	79.61	107.69	2.00	2.00	0.00	0.00
2900.00	17.76	132.33	2885.85	-91.94	100.93	136.53	2.00	2.00	0.00	0.00
2912.00	18.00	132.33	2897.27	-94.43	103.65	140.21	2.00	2.00	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
3000.00	18.00	132.33	2980.96	-112.74	123.75	167.41	0.00	0.00	0.00	0.00
3100.00	18.00	132.33	3076.07	-133.55	146.60	198.31	0.00	0.00	0.00	0.00
3112.00	18.00	132.33	3087.48	-136.05	149.34	202.02	0.00	0.00	0.00	0.00

Section 4 : Start Drop -1.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
3200.00	17.12	132.33	3171.38	-153.93	168.96	228.57	1.00	-1.00	0.00	180.00
3299.79	16.12	132.33	3267.00	-173.15	190.07	257.11	1.00	-1.00	0.00	180.00
3300.00	16.12	132.33	3267.20	-173.19	190.11	257.17	1.00	-1.00	0.00	-180.00
3400.00	15.12	132.33	3363.50	-191.32	210.01	284.09	1.00	-1.00	0.00	180.00
3500.00	14.12	132.33	3460.27	-208.32	228.67	309.33	1.00	-1.00	0.00	180.00
3600.00	13.12	132.33	3557.45	-224.18	246.08	332.88	1.00	-1.00	0.00	180.00
3700.00	12.12	132.33	3655.04	-238.89	262.23	354.73	1.00	-1.00	0.00	180.00
3800.00	11.12	132.33	3752.98	-252.45	277.12	374.87	1.00	-1.00	0.00	-180.00
3900.00	10.12	132.33	3851.27	-264.87	290.74	393.30	1.00	-1.00	0.00	180.00
4000.00	9.12	132.33	3949.86	-276.12	303.10	410.01	1.00	-1.00	0.00	180.00
4100.00	8.12	132.33	4048.73	-286.21	314.18	425.00	1.00	-1.00	0.00	180.00
4200.00	7.12	132.33	4147.85	-295.14	323.98	438.26	1.00	-1.00	0.00	180.00
4300.00	6.12	132.33	4247.18	-302.91	332.50	449.79	1.00	-1.00	0.00	180.00
4400.00	5.12	132.33	4346.70	-309.50	339.74	459.58	1.00	-1.00	0.00	180.00
4500.00	4.12	132.33	4446.37	-314.93	345.69	467.64	1.00	-1.00	0.00	180.00
4600.00	3.12	132.33	4546.17	-319.18	350.36	473.95	1.00	-1.00	0.00	180.00
4700.00	2.12	132.33	4646.07	-322.26	353.74	478.52	1.00	-1.00	0.00	180.00
4800.00	1.12	132.33	4746.02	-324.16	355.83	481.35	1.00	-1.00	0.00	180.00
4900.00	0.12	132.33	4846.02	-324.89	356.63	482.43	1.00	-1.00	0.00	180.00
4912.00	0.00	132.33	4858.02	-324.90	356.64	482.44	1.00	-1.00	0.00	-180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5000.00	0.00	132.33	4946.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
5100.00	0.00	132.33	5046.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
5185.98	0.00	132.33	5132.00	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
5200.00	0.00	132.33	5146.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
5300.00	0.00	132.33	5246.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
5400.00	0.00	132.33	5346.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00

Weatherford International

Planning Report

Company: Enduring Resources
Field: Natural Buttes
Site: Rock House 9-32-10-23
Well: Rock House 9-32-10-23
Wellpath: 1

Date: 10/24/2005 **Time:** 15:02:34 **Page:** 3
Co-ordinate(NE) Reference: Site: Rock House 9-32-10-23, True North
Vertical (TVD) Reference: SITE 5347.0
Section (VS) Reference: Site (0.00N,0.00E,132.33Azi)
Plan: Plan #1 rev.1

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5500.00	0.00	132.33	5446.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
5600.00	0.00	132.33	5546.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
5700.00	0.00	132.33	5646.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
5800.00	0.00	132.33	5746.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
5900.00	0.00	132.33	5846.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
6000.00	0.00	132.33	5946.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
6100.00	0.00	132.33	6046.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
6200.00	0.00	132.33	6146.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
6300.00	0.00	132.33	6246.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
6400.00	0.00	132.33	6346.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
6500.00	0.00	132.33	6446.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
6600.00	0.00	132.33	6546.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
6700.00	0.00	132.33	6646.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
6800.00	0.00	132.33	6746.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
6900.00	0.00	132.33	6846.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
7000.00	0.00	132.33	6946.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
7100.00	0.00	132.33	7046.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
7200.00	0.00	132.33	7146.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
7300.00	0.00	132.33	7246.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
7400.00	0.00	132.33	7346.02	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
7475.98	0.00	132.33	7422.00	-324.90	356.64	482.44	0.00	0.00	0.00	0.00
7503.98	0.00	132.33	7450.00	-324.90	356.64	482.44	0.00	0.00	0.00	0.00

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	132.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.00	132.33	100.00	0.00	0.00	0.00	0.00	0.00	0.00	
162.00	0.00	132.33	162.00	0.00	0.00	0.00	0.00	0.00	0.00	Green River
200.00	0.00	132.33	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	132.33	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
400.00	0.00	132.33	400.00	0.00	0.00	0.00	0.00	0.00	0.00	
500.00	0.00	132.33	500.00	0.00	0.00	0.00	0.00	0.00	0.00	
600.00	0.00	132.33	600.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	132.33	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
800.00	0.00	132.33	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	132.33	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1000.00	0.00	132.33	1000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1100.00	0.00	132.33	1100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1200.00	0.00	132.33	1200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1300.00	0.00	132.33	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1400.00	0.00	132.33	1400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1500.00	0.00	132.33	1500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1600.00	0.00	132.33	1600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1700.00	0.00	132.33	1700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1800.00	0.00	132.33	1800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1900.00	0.00	132.33	1900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2000.00	0.00	132.33	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	8 5/8"
2012.00	0.00	132.33	2012.00	0.00	0.00	0.00	0.00	0.00	0.00	
2100.00	1.76	132.33	2099.99	-0.91	1.00	1.35	2.00	2.00	0.00	
2200.00	3.76	132.33	2199.87	-4.15	4.56	6.17	2.00	2.00	0.00	
2300.00	5.76	132.33	2299.52	-9.74	10.69	14.46	2.00	2.00	0.00	
2400.00	7.76	132.33	2398.81	-17.67	19.39	26.23	2.00	2.00	0.00	
2500.00	9.76	132.33	2497.64	-27.92	30.65	41.46	2.00	2.00	0.00	
2600.00	11.76	132.33	2595.88	-40.50	44.45	60.13	2.00	2.00	0.00	
2700.00	13.76	132.33	2693.41	-55.37	60.78	82.22	2.00	2.00	0.00	
2800.00	15.76	132.33	2790.10	-72.53	79.61	107.69	2.00	2.00	0.00	

Weatherford International

Planning Report

Company: Enduring Resources
Field: Natural Buttes
Site: Rock House 9-32-10-23
Well: Rock House 9-32-10-23
Wellpath: 1

Date: 10/24/2005 **Time:** 15:02:34 **Page:** 4
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Section (VS) Reference: Site (0.00N,0.00E,132.33Azi)
Plan: Plan #1 rev.1

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2900.00	17.76	132.33	2885.85	-91.94	100.93	136.53	2.00	2.00	0.00	
2912.00	18.00	132.33	2897.27	-94.43	103.65	140.21	2.00	2.00	0.00	
3000.00	18.00	132.33	2980.96	-112.74	123.75	167.41	0.00	0.00	0.00	
3100.00	18.00	132.33	3076.07	-133.55	146.60	198.31	0.00	0.00	0.00	
3112.00	18.00	132.33	3087.48	-136.05	149.34	202.02	0.00	0.00	0.00	
3200.00	17.12	132.33	3171.38	-153.93	168.96	228.57	1.00	-1.00	0.00	
3299.79	16.12	132.33	3267.00	-173.15	190.07	257.11	1.00	-1.00	0.00	PBHL
3300.00	16.12	132.33	3267.20	-173.19	190.11	257.17	1.00	-1.00	0.00	
3400.00	15.12	132.33	3363.50	-191.32	210.01	284.09	1.00	-1.00	0.00	
3500.00	14.12	132.33	3460.27	-208.32	228.67	309.33	1.00	-1.00	0.00	
3600.00	13.12	132.33	3557.45	-224.18	246.08	332.88	1.00	-1.00	0.00	
3700.00	12.12	132.33	3655.04	-238.89	262.23	354.73	1.00	-1.00	0.00	
3800.00	11.12	132.33	3752.98	-252.45	277.12	374.87	1.00	-1.00	0.00	
3900.00	10.12	132.33	3851.27	-264.87	290.74	393.30	1.00	-1.00	0.00	
4000.00	9.12	132.33	3949.86	-276.12	303.10	410.01	1.00	-1.00	0.00	
4100.00	8.12	132.33	4048.73	-286.21	314.18	425.00	1.00	-1.00	0.00	
4200.00	7.12	132.33	4147.85	-295.14	323.98	438.26	1.00	-1.00	0.00	
4300.00	6.12	132.33	4247.18	-302.91	332.50	449.79	1.00	-1.00	0.00	
4400.00	5.12	132.33	4346.70	-309.50	339.74	459.58	1.00	-1.00	0.00	
4500.00	4.12	132.33	4446.37	-314.93	345.69	467.64	1.00	-1.00	0.00	
4600.00	3.12	132.33	4546.17	-319.18	350.36	473.95	1.00	-1.00	0.00	
4700.00	2.12	132.33	4646.07	-322.26	353.74	478.52	1.00	-1.00	0.00	
4800.00	1.12	132.33	4746.02	-324.16	355.83	481.35	1.00	-1.00	0.00	
4900.00	0.12	132.33	4846.02	-324.89	356.63	482.43	1.00	-1.00	0.00	
4912.00	0.00	132.33	4858.02	-324.90	356.64	482.44	1.00	-1.00	0.00	
5000.00	0.00	132.33	4946.02	-324.90	356.64	482.44	0.00	0.00	0.00	
5100.00	0.00	132.33	5046.02	-324.90	356.64	482.44	0.00	0.00	0.00	
5185.98	0.00	132.33	5132.00	-324.90	356.64	482.44	0.00	0.00	0.00	Mesaverde
5200.00	0.00	132.33	5146.02	-324.90	356.64	482.44	0.00	0.00	0.00	
5300.00	0.00	132.33	5246.02	-324.90	356.64	482.44	0.00	0.00	0.00	
5400.00	0.00	132.33	5346.02	-324.90	356.64	482.44	0.00	0.00	0.00	
5500.00	0.00	132.33	5446.02	-324.90	356.64	482.44	0.00	0.00	0.00	
5600.00	0.00	132.33	5546.02	-324.90	356.64	482.44	0.00	0.00	0.00	
5700.00	0.00	132.33	5646.02	-324.90	356.64	482.44	0.00	0.00	0.00	
5800.00	0.00	132.33	5746.02	-324.90	356.64	482.44	0.00	0.00	0.00	
5900.00	0.00	132.33	5846.02	-324.90	356.64	482.44	0.00	0.00	0.00	
6000.00	0.00	132.33	5946.02	-324.90	356.64	482.44	0.00	0.00	0.00	
6100.00	0.00	132.33	6046.02	-324.90	356.64	482.44	0.00	0.00	0.00	
6200.00	0.00	132.33	6146.02	-324.90	356.64	482.44	0.00	0.00	0.00	
6300.00	0.00	132.33	6246.02	-324.90	356.64	482.44	0.00	0.00	0.00	
6400.00	0.00	132.33	6346.02	-324.90	356.64	482.44	0.00	0.00	0.00	
6500.00	0.00	132.33	6446.02	-324.90	356.64	482.44	0.00	0.00	0.00	
6600.00	0.00	132.33	6546.02	-324.90	356.64	482.44	0.00	0.00	0.00	
6700.00	0.00	132.33	6646.02	-324.90	356.64	482.44	0.00	0.00	0.00	
6800.00	0.00	132.33	6746.02	-324.90	356.64	482.44	0.00	0.00	0.00	
6900.00	0.00	132.33	6846.02	-324.90	356.64	482.44	0.00	0.00	0.00	
7000.00	0.00	132.33	6946.02	-324.90	356.64	482.44	0.00	0.00	0.00	
7100.00	0.00	132.33	7046.02	-324.90	356.64	482.44	0.00	0.00	0.00	
7200.00	0.00	132.33	7146.02	-324.90	356.64	482.44	0.00	0.00	0.00	
7300.00	0.00	132.33	7246.02	-324.90	356.64	482.44	0.00	0.00	0.00	
7400.00	0.00	132.33	7346.02	-324.90	356.64	482.44	0.00	0.00	0.00	
7475.98	0.00	132.33	7422.00	-324.90	356.64	482.44	0.00	0.00	0.00	Buck Tongue
7503.98	0.00	132.33	7450.00	-324.90	356.64	482.44	0.00	0.00	0.00	

Weatherford International

Planning Report

Company: Enduring Resources Field: Natural Buttes Site: Rock House 9-32-10-23 Well: Rock House 9-32-10-23 Wellpath: 1	Date: 10/24/2005 Co-ordinate(NE) Reference: Site: Rock House 9-32-10-23, True North Vertical (TVD) Reference: SITE 5347.0 Section (VS) Reference: Site (0.00N,0.00E,132.33Azi) Plan: Plan #1 rev.1	Time: 15:02:34 Page: 5
--	---	---

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->		
							Deg	Min	Sec	Deg	Min	Sec
PBHL		3267.00	-348.00	382.00	7140697.242245272.16		39 54 10.800 N	109 20 37.308 W				
-Rectangle (400x400)												
-Plan out by 259.64 at		3267.00	-173.15	190.07	7140867.422245076.07		39 54 12.529 N	109 20 39.771 W				

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2000.00	2000.00	8.625	0.000	8 5/8"

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
162.00	162.00	Green River		0.00	0.00
3299.79	3267.00	Wasatch		0.00	0.00
5185.98	5132.00	Mesaverde		0.00	0.00
7475.98	7422.00	Buck Tongue		0.00	0.00

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/03/2005

API NO. ASSIGNED: 43-047-36337

WELL NAME: ROCKHOUSE 9-32-10-23
OPERATOR: HOUSTON EXPLORATION CO, (N2525)
CONTACT: BILL RYAN

PHONE NUMBER: 435-789-0968

PROPOSED LOCATION:

NESE 32 100S 230E
SURFACE: 2098 FSL 1042 FEL
BOTTOM: 2098 FSL 1042 FEL
UINTAH
NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	4/15/05
Geology		
Surface		

LEASE TYPE: 3 - State
LEASE NUMBER: ML-47063
SURFACE OWNER: 3 - State
PROPOSED FORMATION: CSLGT
COALBED METHANE WELL? NO

LATITUDE: 39.90393
LONGITUDE: -109.3443

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. 104155044)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. T75514)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

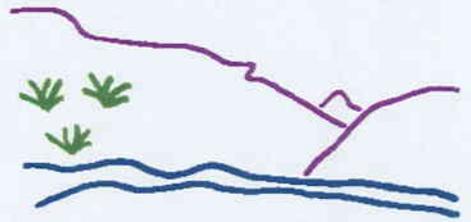
- ___ R649-2-3.
Unit _____
- ___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- ___ R649-3-11. Directional Drill

COMMENTS: Needs Permit (03-31-05)

STIPULATIONS: 1- Spacing Strip
2- STATEMENT OF BASIS



OPERATOR- THE HOUSTON EXPL CO (N2525)
 SEC. 32 T.10S R.23E
 FIELD: NATURAL BUTTES (630)
 COUNTY: UINTAH
 SPACING: R649-3-3 / EXCEPTION LOCATION

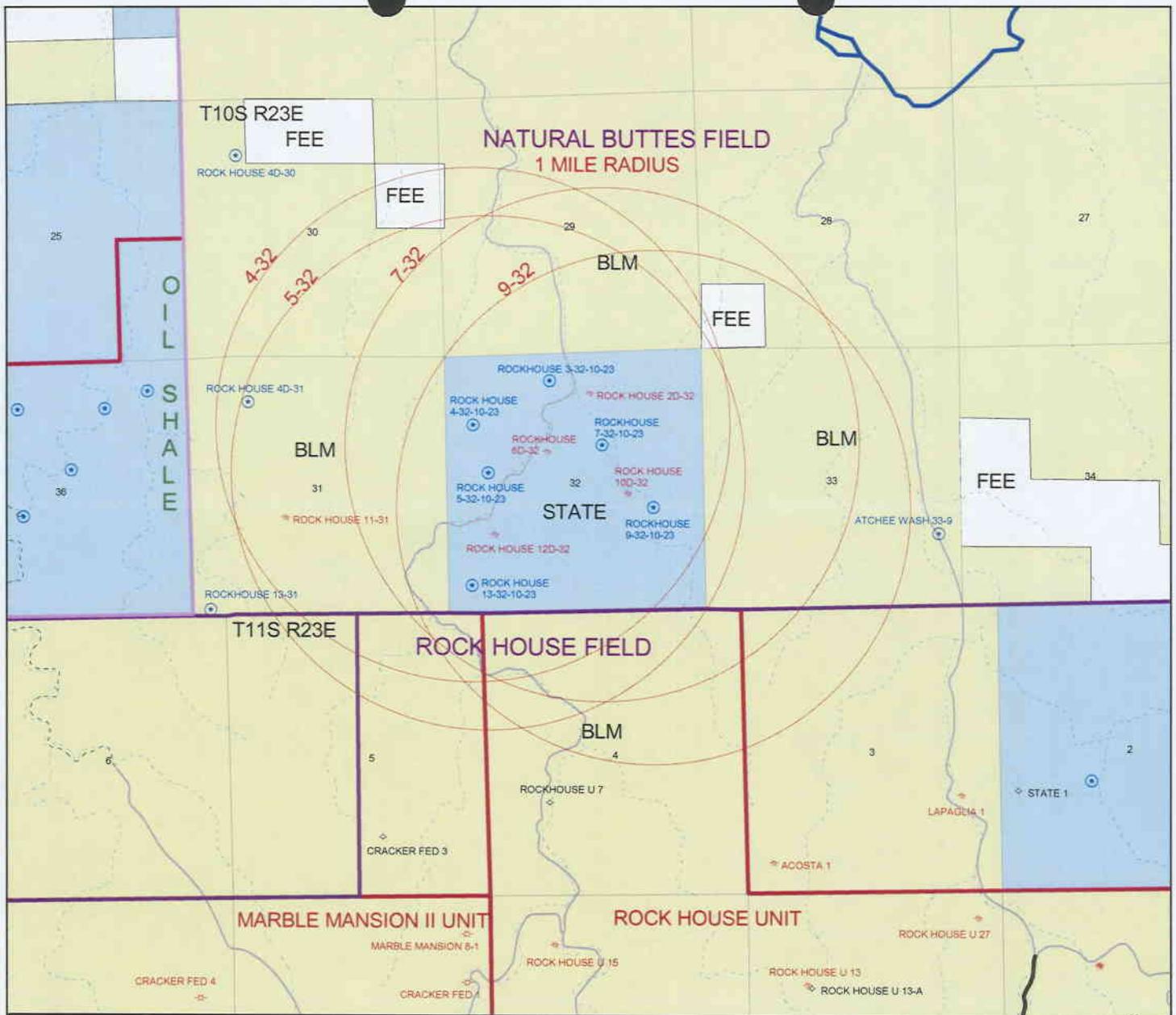


Utah Oil Gas and Mining

Wells	Units.shp	Fields.shp
♣ GAS INJECTION	□ EXPLORATORY	□ ABANDONED
⊙ GAS STORAGE	□ GAS STORAGE	□ ACTIVE
× LOCATION ABANDONED	□ NF PP OIL	□ COMBINED
⊕ NEW LOCATION	□ NF SECONDARY	□ INACTIVE
⬢ PLUGGED & ABANDONED	□ PENDING	□ PROPOSED
⊛ PRODUCING GAS	□ PI OIL	□ STORAGE
● PRODUCING OIL	□ PP GAS	□ TERMINATED
⊛ SHUT-IN GAS	□ PP GEOTHERML	
⊛ SHUT-IN OIL	□ PP OIL	
× TEMP. ABANDONED	□ SECONDARY	
○ TEST WELL	□ TERMINATED	
⬢ WATER INJECTION		
⬢ WATER SUPPLY		
⬢ WATER DISPOSAL		



PREPARED BY: DIANA WHITNEY
 DATE: 4-MARCH-2005



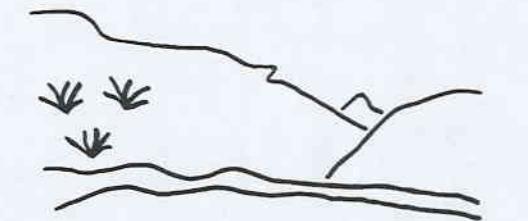
Legend

Wells

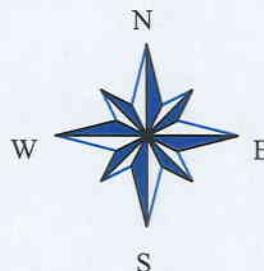
- GAS INJECTION
- ◻ GAS STORAGE
- ⋄ LOCATION ABANDONED
- ⊙ NEW LOCATION
- ⋄ PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- ⋄ SHUT-IN GAS
- SHUT-IN OIL
- ⊗ TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- ⊕ WATER SUPPLY
- ⊖ WATER DISPOSAL

Field Status

- ▭ ABANDONED
- ▭ ACTIVE
- ▭ COMBINED
- ▭ INACTIVE
- ▭ PROPOSED
- ▭ STORAGE
- ▭ TERMINATED
- ▭ Sections



Utah Oil Gas and Mining



Prepared by: Lisha Cordova
Date: March 28, 2005
Quad: Q1940 / Asphalt Wash

February 9, 2005

RE: The Houston Exploration Company
Rockhouse 9-32
Sec. 32, T10S, R23E

Utah Division of Oil, Gas and Mining
1549 West North Temple
Suite 1210
PO BOX 145801
SLC, UT 84114

Dear Sir or Madam,

The Houston Exploration Company respectfully requests a spacing exception for the subject well. The well has been moved from the center of the forty-acre spacing.

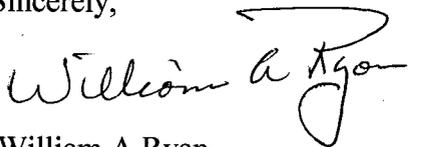
The well is located at 2098' FSL & 1042' FEL, which has changed from the proposed location at 1980' FSL & 660' FEL.

The location was moved due to topographic considerations and a drainage. Please see the plat maps.

The Houston Exploration Company is the only owner within a 460' radius.

If you have additional questions please contact William A Ryan, Agent

Sincerely,



William A Ryan

RECEIVED
MAR 09 2005
DIV. OF OIL, GAS & MINING

From: Lisha Cordova
To: Ed Bonner; FLOYDBARTLETT@utah.gov
Date: 3/28/2005 11:18:10 AM
Subject: Presite Correction

Hi Ed & Floyd,

I need to make a big correction to the presite meeting time at the 4-32 well site, I originally said around 9:30-10:00 am, I need to change that time to around noon, it's a lot further than I anticipated.

Thanks,
Lisha

CC: Brad Hill

From: Lisha Cordova
To: Ed Bonner; FLOYDBARTLETT@utah.gov
Subject: Presites 3/28/05

Hi Ed (SITLA) & Floyd (DWR),

You are invited to attend presites scheduled for Wednesday, March 30th, for the wells listed below.

Rockhouse 4-32-10-23 Sec. 32, T10S, R23E, Uintah County, ML-47063 & State surface.
Rockhouse 5-32-10-23 "
Rockhouse 7-32-10-23 "
Rockhouse 9-32-10-23 "

I plan to meet Ginger/Houston Rep. at 9:00 a.m. in Vernal, at Betty's Cafe (north end of main road), you are welcome to meet us there or at the 4-32 well site around ~~9:30-10:00~~ noon.

If you are unable to make it, you may e-mail me at lishacordova@utah.gov with any questions or comments regarding the proposed wells.

Thank you,
Lisha

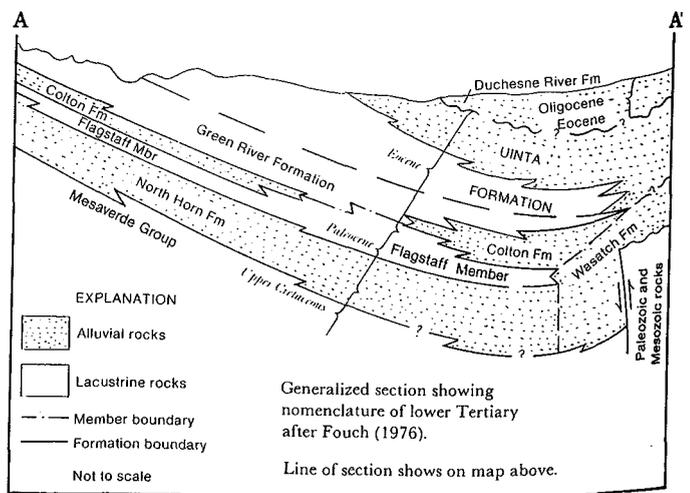
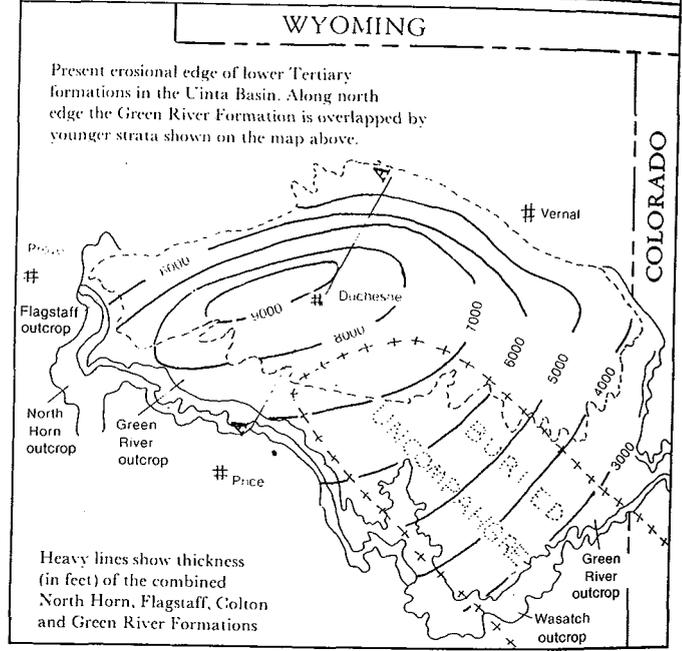
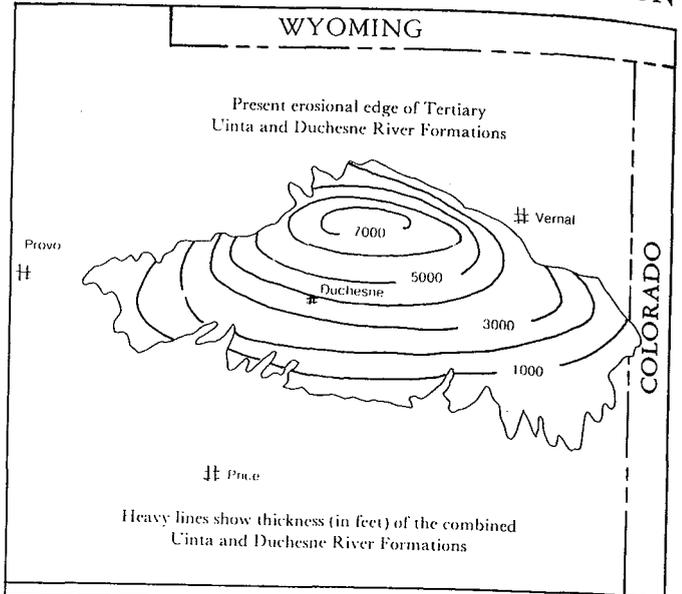
CC: Brad Hill

UINTA BASIN

		FEET		
Q	Recent alluvium	0-100		↓ Epihippus subsurface
	Outwash, older alluvium	0-200		
OLIG	Duchesne River Formation	0-3000		
	Uinta Formation	0-5000		
EOCENE	Green River Formation	2000-6000	42 m.y. K-Ar saline tuff 44 m.y. wavy tuff Mahogany oil-shale marker bed middle marker on well logs carbonate marker	
	Colton Formation	0-1500	red ss, silt & shale	
	Flagstaff Formation (or member of the Green River Fm)	0-1500	gray to green clay and ss and limestone	
PALEOCENE	North Horn Formation	0-2000	channel ss and red clay and silt	
	Mesaverde Group	1200-2700	thins northeastward coal	
CRETACEOUS	Mancos Shale	3200-5000	thickens northeastward	
	Frontier-Mowry Fms	300-350		Note - Pipiringos & O-Sullivan (1978) show formations listed below under part of Uinta Basin
	Dakota-Cedar Fms	50-200		
JURASSIC	Morrison Fm	500-600		
	Curtis Fm	0-300		Summerville Fm
	Entrada Sandstone	180-220		
	Carmel Fm	0-100		
	Navajo Sandstone	500-650		Page Sandstone
TRI	Chinle Fm & Gartra Mbr	70-150		
	Moenkopi Fm	100-760		Pre-Triassic rocks were all eroded from the Uncompahgre block
M/P	Weber and Park City Fms	0-900		
	Limestones, undivided	0-1500		
C/D	Devonian undivided	0-160		
	Ls & ss undivided	0-200		
P	Granite	basement		

QUATERNARY - Hood, 1976; Hood, & Fields, 1978; UINTA-DUCHESNE RIVER - Kay, 1957; Warner, 1966; EOCENE-PALEOCENE - Fouch, 1976; Ryder et al, 1976; Mauger, 1977; Johnson, 1985; PRE-TERTIARY - Heylman et al, 1965; STRUCTURE - Smith & Cook, 1985; Bryant, 1985; OIL & GAS - Clem, 1985.

42 UINTA BASIN MAPS & CROSS SECTION



REFERENCES - Fouch, 1976; Johnson, 1985.

BONANZA, UTAH - RANGELY, COLO

Chart 44 GRAND JUNCTION AREA, COLORADO

		FEET			
Q	Alluvium - dunes	0-200			
	Unit B	100-600			
MIO	Unit A	400-700	Gilsonite veins		
	Parachute Creek Mbr	500-1200	Mahogany Bed-oil shale		
E	Garden Gulch M	0-200			
	Cow Ridge Member	400-1800			
E	Wasatch Formation	300-3000	reddish-gray many slumps and landslides		
	unconformity				
P	Upper Unit	1100			
	Main coal unit	500-700	coal		
	Minor coal unit	700-750			
	Sego Ss	0-250			
P	Buck Tongue - Mancos Sh	250-300			
	Castlegate Ss Tongue	50-200	part of Mesaverde Group		
C	Mancos Shale - main body	4500-5300	subsurface olive-gray mudstone		
	Frontier Ss Mbr	50-200	oil in fractured sh		
	Mowry Sh Mbr	0-60			
	Dakota Ss	50-100	fish scales		
	Cedar Mountain Fm	50-100			
	Buckhorn Cg Mbr	0-80	dinosaurs		
	Morrison Fm	550-650			
	Curtis Mbr of Stump Fm	100	green		
	Entrada Ss	120-150			
	Carmel Fm	70			
	Navajo Ss	650			
	Chinle Formation	100-200			
	Gartra Grit Mbr	40-80			
	Moenkopi Fm	500			
	P	Park City Fm	150		
P	Weber Sandstone	850-1150	principal Rangely Field reservoir rock		
	Morgan Fm				
P	Round Valley Ls	1400-1700			
	Doughnut Shale				
P	Humbug Fm undivided				
	Madison Ls	600			
P	Chaffee? Manitou? Dotsero? undivided	0-500			
	Lodore - Sawatch Qtzt	100-500			

		FEET			
Q	Alluvium & colluvium	0-200			
	Glacial, pediment, & land slide deposits	0-200			
MIO	Basalt flows of Grand Mesa	0-1000		10 m.y. K-Ar	
E	Uinta Formation	400+		formerly called Evacuation Creek Mbr of Green River Fm	
	Green River Fm	Parachute Creek Member	300-1100	dolomitic oil shale; includes Mahogany oil-shale bed 5-10 feet thick	
		Douglas Creek Member	300-700		
	Garden Gulch M	100-300		Kimball Mtn Tuff Bed	
P	Wasatch Formation	200-2000		Long Point marker bed 1-40 ft thick, fossiliferous	
	unconformity			slump-prone reddish-gray mudstone and sandstone	
C	Ohio Creek Cg	0-100			
	Hunter Canyon Formation	1100		Hunter Canyon Fm is coarser, grayer, and has more massive ss beds than Mt. Garfield	
	gradational contact				
	Mount Garfield Fm	Upper part	600		Cameo coal zone
	Rollins Ss Mbr	0-150		<i>Didymoceras</i>	
	Cozzette Ss M	0-200		Palisade coal zone	
	Corcoran Ss M	0-180		Anchor coal zone	
	Sego Sandstone	Upper Ss	0-120		Mancos tongue
	Anchor Mine Tongue	50-200			
	Lower Ss	0-100			
C	Mancos Shale	Early Pierre fauna		<i>Baculites perplexus</i>	
		Eagle fauna	4000	<i>Baculites obtusus</i>	
		Telegraph Creek fauna		<i>Inoceramus</i>	
		Niobrara fauna		<i>Scaphites</i>	
		Carlisle fauna		<i>Placenticeras</i>	
		Greenhorn fauna		<i>Baculites</i>	
				<i>Desmoscaphtes</i>	
				<i>Ostrea</i>	
				<i>Placenticeras</i>	
				<i>Ostrea</i>	
		<i>Inoceramus</i>			
		<i>Pycnodonte newberryi</i>			
C	Dakota Sandstone	150			
	Burro Canyon Fm	50-120		varicolored mudstone	
	Brushy Basin Mbr	260-340		ss & cg	
	Salt Wash Mbr	190-310		formerly Summerville	
C	Tidwell Member	10-100			
	Wanakah Formation	20-50		J-2 unconformity	
	Entrada Sandstone	60-200			
	Kayenta Formation	0-130			
C	Wingate Sandstone	210-370			
	Chinle Formation	80-120		Uncompahgre unconformity	
P	Vernal Mesa-type quartz monzonite; gneiss and schist			qtz mon-1480 m.y.	
P				gneiss-1700 m.y.	

MAP REFERENCES - Cullins, 1971; Pipiringos, 1977; TERTIARY - Ryder et al, 1976; Picard & High, 1972; Surdam & Stanley, 1980; Cashion & Donnell, 1974; Johnson, 1984, 1985; CRETACEOUS - Young, 1975; PALEOZOIC - Campbell, 1955; Welsh & Bissell 1979; GILSONITE - Jackson, 1985.

MAPS WITH TEXT - Cashion, 1973; Lohman, 1965a, b; QUATERNARY - Whitney, 1981; GREEN RIVER - Johnson, 1984; WASATCH - Donnell, 1969; CRETACEOUS - Young, 1955, 1966, 1983b; Fisher et al, 1960; Gill & Hail, 1975; Craig, 1981; Johnson & May, 1980; Johnson et al, 1980; JURASSIC - Cadigan, 1967; O'Sullivan, 1984; O'Sullivan & Pipiringos, 1983; TRIASSIC - Stewart, 1969; PRECAMBRIAN - Bickford & Cudazzo, Tweto, 1977.



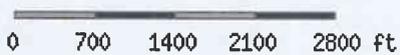
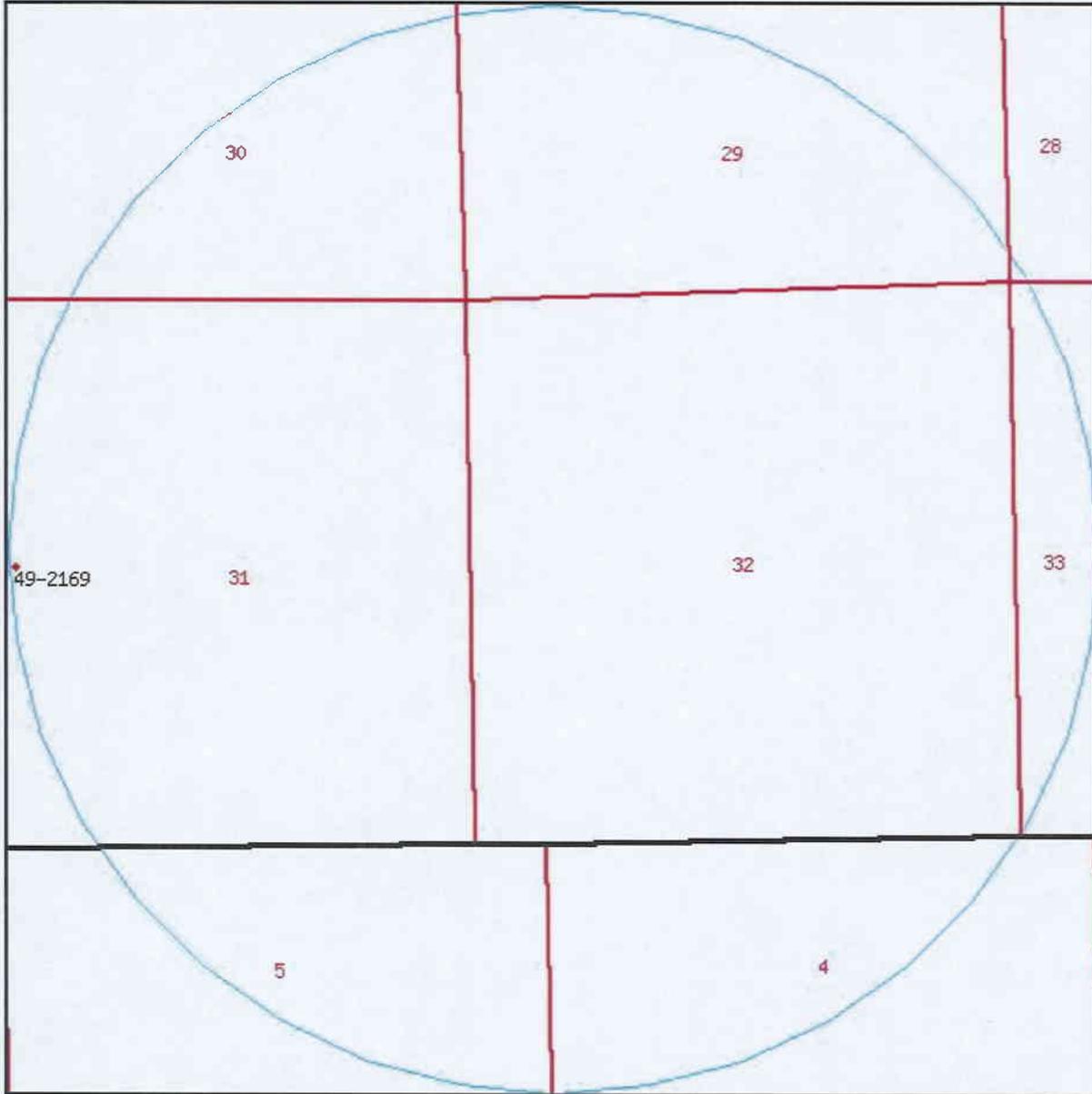
UTAH DIVISION OF WATER RIGHTS

WRPLAT Program Output Listing

Version: 2004.12.30.00 Rundate: 03/28/2005 12:24 PM

Rockhouse 5-32-10-23

Radius search of 5280 feet from a point S2405 E852 from the NW corner, section 32, Township 10S, Range 23E, SL b&m Criteria:wrtypes=W,C,E podtypes=all status=U,A,P usetypes=all



Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner Name
<u>49-2169</u>	Surface N2750 E800 SW 31 10S 23E SL		A	20031120	O	0.000	4.000	TARGET TRUCKING INC. 2960 NORTH 500 EAS

[Natural Resources](#) | [Contact](#) | [Disclaimer](#) | [Privacy Policy](#) | [Accessibility Policy](#)

STATE OF UTAH – DIVISION OF WATER RIGHTS -- DATA PRINT OUT for 49-2169(T75184)

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 03/28/2005 Page 1

WRNUM: 49-2169 APPLICATION/CLAIM NO.: T75184 CERT. NO.:

OWNERSHIP*****

NAME: Target Trucking Inc.
 ADDR: 2960 North 500 East
 Vernal UT 84078

LAND OWNED BY APPLICANT? No

DATES, ETC.*****

FILED: 11/20/2003	PRIORITY: 11/20/2003	PUB BEGAN:	PUB ENDED:	NEWSPAPER: No Adv Required
ProtestEnd:	PROTESTED: [No]	HEARNG HLD:	SE ACTION: [Approved]	ActionDate:01/07/2004
EXTENSION:	ELEC/PROOF: []	ELEC/PROOF:	CERT/WUC:	LAP, ETC: 01/07/2005
RENOVATE:	RECON REQ:	TYPE: []		PROV LETTER:

PD Book No. Map:

Type of Right: Temporary Application Source of Info: Application to Appropriate Status: Approved

LOCATION OF WATER RIGHT*****

FLOW: 4.0 acre-feet SOURCE: White River

COUNTY: Uintah COMMON DESCRIPTION: 9 miles southwest of Bonanza

POINT OF DIVERSION -- SURFACE:
 (1) N 2750 ft E 800 ft from SW cor, Sec 31, T 10S, R 23E, SLBM Source: White River
 Diverting Works: Pump into tank trucks for transport

PLACE OF USE OF WATER RIGHT*****

	NORTH-WEST¼	NORTH-EAST¼	SOUTH-WEST¼	SOUTH-EAST¼
	NW NE SW SE			
ALL T 9S R 20E SLBM	*			
ALL T 9S R 21E SLBM	*			
ALL T 9S R 22E SLBM	*			
ALL T 9S R 23E SLBM	*			
ALL T 9S R 24E SLBM	*			
ALL T 9S R 25E SLBM	*			
ALL T 10S R 20E SLBM	*			
ALL T 10S R 21E SLBM	*			
ALL T 10S R 22E SLBM	*			
ALL T 10S R 23E SLBM	*			
ALL T 10S R 24E SLBM	*			
ALL T 10S R 25E SLBM	*			
ALL T 11S R 20E SLBM	*			
ALL T 11S R 21E SLBM	*			
ALL T 11S R 22E SLBM	*			
ALL T 11S R 23E SLBM	*			
ALL T 11S R 24E SLBM	*			
ALL T 11S R 25E SLBM	*			
ALL T 12S R 20E SLBM	*			
ALL T 12S R 21E SLBM	*			
ALL T 12S R 22E SLBM	*			
ALL T 12S R 23E SLBM	*			
ALL T 12S R 24E SLBM	*			
ALL T 12S R 25E SLBM	*			
ALL T 13S R 20E SLBM	*			
ALL T 13S R 21E SLBM	*			
ALL T 13S R 22E SLBM	*			
ALL T 13S R 23E SLBM	*			
ALL T 13S R 24E SLBM	*			
ALL T 13S R 25E SLBM	*			

USES OF WATER RIGHT*****

WATER RIGHT CLAIMS IN COMMON: 2169

.....
##OIL EXPLORATION Drilling and completion of oil and gas wells PERIOD OF USE: 13/ 0 TO 13/ 0
This is a temporary application to be used from November 21, 2003 til November 20, 2004

*****E N D O F D A T A*****

OURAY 4 NE, UTAH (426568)**Period of Record Monthly Climate Summary****Period of Record : 8/17/1955 to 9/30/2004**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	29.1	37.5	54.0	65.7	77.1	87.6	94.6	91.7	81.2	67.5	47.5	32.9	63.9
Average Min. Temperature (F)	2.5	9.5	23.5	33.3	42.7	50.1	55.9	53.9	43.9	32.0	20.3	7.4	31.3
Average Total Precipitation (in.)	0.36	0.36	0.46	0.67	0.72	0.50	0.59	0.65	0.80	0.89	0.46	0.37	6.84
Average Total SnowFall (in.)	4.1	2.9	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.4	1.9	4.0	15.5
Average Snow Depth (in.)	3	2	0	0	0	0	0	0	0	0	0	1	1

Percent of possible observations for period of record.

Max. Temp.: 93.7% Min. Temp.: 93.9% Precipitation: 98.9% Snowfall: 92.6% Snow Depth: 87.1%

Check [Station Metadata](#) or [Metadata graphics](#) for more detail about data completeness.*Western Regional Climate Center, wrcc@dri.edu*

Ouray 4 NE / Bonanza
 Avg. max Temp. - 63.25
 Avg. min Temp. - 32.4
 Avg. precip. - 7.855"
 Avg. snowfall - 20"
 Avg. snow depth - 1"

BONANZA, UTAH (420802)**Period of Record Monthly Climate Summary****Period of Record : 7/ 2/1948 to 2/25/1993**

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Max. Temperature (F)	30.4	37.2	49.9	63.3	73.3	85.3	92.3	89.6	80.9	66.2	48.3	34.8	62.6
Average Min. Temperature (F)	7.3	13.4	25.1	34.1	42.1	50.1	57.0	54.6	46.5	35.5	23.6	12.7	33.5
Average Total Precipitation (in.)	0.58	0.43	0.70	0.79	1.03	0.73	0.83	0.91	0.83	1.05	0.49	0.52	8.87
Average Total SnowFall (in.)	6.4	5.3	4.3	1.0	0.0	0.0	0.0	0.0	0.0	0.5	1.7	5.3	24.5
Average Snow Depth (in.)	4	3	1	0	0	0	0	0	0	0	0	1	1

Percent of possible observations for period of record.

Max. Temp.: 80.1% Min. Temp.: 80% Precipitation: 82.9% Snowfall: 70.6% Snow Depth: 67%

Check [Station Metadata](#) or [Metadata graphics](#) for more detail about data completeness.

Western Regional Climate Center, wrcc@dri.edu

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

OPERATOR: The Houston Exploration Company (N2525)

WELL NAME & NUMBER: Rock House 9-32-10-23

API NUMBER: 43-047-36337

LEASE: ML-47063 **FIELD/UNIT:** Natural Buttes Field (630)

LOCATION: 1/4,1/4 NESE Sec:32 TWP:10S RNG:23E 2098 FSL 1042 FEL

LEGAL WELL SITING:460 FR SEC. LINE;460 FR 1/4,1/4 LINE;920 FR ANOTHER WELL.

GPS COORD (UTM): X = 641536 E; Y = 4418197 N SURFACE OWNER: SITLA/State

PARTICIPANTS

Lisha Cordova (DOGM), Ginger Stringham (Houston/Agent), Cory Stubbs (Stubbs & Stubbs/Dirt Contractor), and Floyd Bartlett (DWR). Ed Bonner (SITLA) was invited but was unable to attend.

REGIONAL/LOCAL SETTING & TOPOGRAPHY

The well site is approx. 78 miles southeast of Vernal, Utah, off Highway 45, and is located on State lands & minerals surrounded by Federal & Fee lands. The site is located next to a steep (Grrv) mountain, southeast of the Rock House 10D-32 well. There is an approximate 5' wide main drainage that runs from the south to the north along the outer west edge of well pad. Pad soils will be stockpiled all along the entire west side of pad, and all precautions will be made to not disturb the main drainage. In addition, there are two smaller drainages located east of the proposed well head which will have to be re-routed around the outer east edge of pad, next to the mountain edge. If necessary, rip-rap will be placed at the south end of the re-routed drainage to prevent drainage from entering the well site. A culvert or dry water crossing will be constructed at the north end access road to divert water to the main west side drainage, with rip-rap if necessary. Existing access roads to the site are either State or BLM maintained, or County Class D roads.

SURFACE USE PLAN

CURRENT SURFACE USE: Wildlife & livestock grazing, recreation & hunting.

PROPOSED SURFACE DISTURBANCE: Pad 345'X160', attached reserve pit 180'X50' surrounded by a 15-20' berm, flare pit 13'X13', and backfill & spoils stockpile around portions of pad. Approx. 528' of new road on lease, 18' wide, will be constructed from the main access road to the well site.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 4 PGW's, see attached ArcView/Gis map.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Wellhead, production & drain line(s), separator, gas meter, and water drain pit at site. The production pipeline will tie into the existing pipeline in Sec. 32, north of the access road & location. All production pipelines in the

area are above ground, and run parallel to access roads to the well sites. Small sections are buried where roads intercept with the pipeline.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be obtained from the site during construction of the location.

ANCILLARY FACILITIES: None required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? (EXPLAIN): No anticipated public interest and/or concerns. Wells have already been drilled in the surrounding area(s).

WASTE MANAGEMENT PLAN:

Portable chemical toilets will be emptied into the municipal waste treatment system; garbage cans on location will be emptied into centralized dumpsters, which will be emptied into an approved landfill. Drilling fluid, and completion/frac fluid will be removed from the pit upon completion of the well. Cuttings will be buried in the pit unless oil based mud is used. If oil based mud is used disposal of the cuttings should be discussed with the Division. Used oil from drilling operations and support will be hauled to a used oil recycling facility. Produced water will be disposed of at an approved facility.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sage brush, greasewood, horse brush, prickly pear cactus, shadscale, juniper & pinion trees; deer, elk, antelope, rodents, birds, coyote, rabbits, and possibly raptor(s)?

SOIL TYPE AND CHARACTERISTICS: Light brown to brown in color, sandy & clayey, with small to medium sized rocks & large boulders.

SURFACE FORMATION & CHARACTERISTICS: Eocene Age, Green River Formation and Quaternary alluvium sediments derived from the Green River Formation; consists chiefly of barren (of oil-shale) shale and marlstone that weathers brown or brown gray. Forms gently rounded slopes broken by irregular discontinuous ledges. Shale is limy, thin-bedded, platy or chippy, and locally sandy. Marlstone is sandy. Has a few claystone and medium-grained dark brown sandstone beds. The oil-shale beds present are thin and discontinuous.

EROSION/SEDIMENTATION/STABILITY: Some natural erosion takes place at the site from drainage(s) in the area, which are currently dry. All precautions will be made to not disturb the west side drainage that is located an acceptable distance away from the site. The east side drainage(s) that currently cut thru the east side of well pad will be re-routed, natural erosion will be minimal. Sedimentation & stability at the site is ok.

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: After grading & leveling site, pit will be built on a flat surface in cut, 180'X50'X12'deep surrounded by a 15-20' berm. Depth of soil and hard rock underlying pit is unknown at present, hard rock may be encountered.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 mil liner is required. If hard rock is encountered while constructing reserve pit, and if blasting occurs, operator/dirt contractor says they will make sure sharp edges are smoothed over, and will line the reserve pit with a 12 oz. or double (24 oz.) felt liner depending on the condition of the pit bottom, followed by a 16 mil liner its' outer edges will be tucked & buried 8" below surface. Houston has been lining all of their reserve pits in the area with 16 mil liners per operator/dirt contractor.

SURFACE RESTORATION/RECLAMATION PLAN

SURFACE AGREEMENT: As per agreement with SITLA (surface owner).

CULTURAL RESOURCES/ARCHAEOLOGY: Sagebrush Archaeological Consultants has conducted an area archaeological survey, no cultural resources were found as per operator, and none were observed at presite. A copy of the survey will be submitted to DOGM when finalized.

OTHER OBSERVATIONS/COMMENTS

Floyd (DWR) stated that although this area shows sign of deer & elk use, it is not a critical area, and no sign of raptor(s). DWR has no wildlife concerns for this site, and has provided Ginger/Houston with a seed mixture for reclamation purposes.

ATTACHMENTS

Photos of this location were taken and placed on file.

Lisha Cordova
DOGM REPRESENTATIVE

March 31, 2005
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and Onsite Pit Liner Requirements**

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

Final Score 35 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required, consider criteria for excluding pit use.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.







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

OPERATOR: The Houston Exploration Company (N2525)
WELL NAME & NUMBER: Rock House 9-32-10-23
API NUMBER: 43-047-36337
LOCATION: 1/4,1/4 NESE Sec: 32 TWP: 10S RNG: 23E 2098 FSL 1042 FEL

Geology/Ground Water:

Houston proposes to set 2,000' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,200'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this site is the Green River Formation. The Green River Formation is made up of interbedded limestones, shales and sandstones. The proposed casing and cementing program should adequately protect any underground sources of useable water.

Reviewer: Brad Hill **Date:** 04-06-05

Surface:

An operator representative "Ginger Stringham", dirt contractor "Cory Stubbs", and DWR "Floyd Bartlett" were present at the onsite conducted on March 31, 2005. SITLA "Ed Bonner" was invited but was unable to attend. Reserve pit backfill & spoils will be stockpiled north of the pit, northeast corner of well pad. The reserve pit liner will need to be properly installed and maintained in the reserve pit with a synthetic liner with a minimum thickness of 12 mils, and if the pit is built in rock "straw, felt liner, or some other Division approved material" will be required to underlay the liner. The Division would like to be notified prior to lining the reserve pit to allow for Division inspection. All precautions need to be taken to not disturb the west side drainage that runs from the south to the north along the entire outer west edge of well pad. In addition, the smaller east side drainages need to be re-routed around the outer east edge of pad. Rip-rap will be placed at the south end of the re-routed east side drainage to prevent drainage from entering the well site, if necessary. A culvert or dry water crossing will be constructed at the north end access road to divert water to the main west side drainage, with rip-rap if necessary.

Reviewer: Lisha Cordova **Date:** April 5, 2005

Conditions of Approval/Application for Permit to Drill:

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
2. If the reserve pit is built in rock "straw, felt liner or some other Division approved material" will be required to underlay the liner.
3. The Division shall be notified prior to lining the reserve pit to allow for Division inspection.
4. All precautions will be made to not disturb the west side drainage that runs the entire length of the west side of well pad.
5. The east side drainage(s) will be re-routed along the entire outer east edge of pad, with rip-rap if necessary.
6. A culvert or dry water crossing will be constructed at the north end access road, with rip-rap if necessary.

Well name:	04-05 Houston Rock House 9-32-10-23	
Operator:	The Houston Exploration Company	
String type:	Surface	Project ID: 43-047-36337
Location:	Uintah County	

Design parameters:

Collapse
Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 93 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 250 ft

Cement top: 0 ft

Burst

Max anticipated surface pressure: 1,760 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,000 psi

No backup mud specified.

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

Tension is based on buoyed weight.
Neutral point: 1,749 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 7,604 ft
Next mud weight: 10.000 ppg
Next setting BHP: 3,950 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,000 ft
Injection pressure 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2000	8.625	36.00	J-55	ST&C	2000	2000	7.7	143.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	3450	3.953	2000	4460	2.23	63	434	6.89 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Phone: 801-538-5280
FAX: 810-359-3940

Date: April 7, 2005
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	04-05 Houston Rock House 9-32-10-23		
Operator:	The Houston Exploration Company		
String type:	Production	Project ID:	43-047-36337
Location:	Uintah County		

Design parameters:

Collapse
Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:
Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 171 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Burst

Max anticipated surface pressure: 3,038 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 3,950 psi

No backup mud specified.

Burst:
Design factor 1.00

Cement top: 3,793 ft

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

Non-directional string.

Tension is based on buoyed weight.
Neutral point: 6,467 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7604	4.5	11.60	N-80	LT&C	7604	7604	3.875	176.3
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3950	6350	1.608	3950	7780	1.97	75	223	2.97 J

Prepared by: Clinton Dworshak
Utah Div. of Oil & Mining

Phone: 801-538-5280
FAX: 810-359-3940

Date: April 7,2005
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 7604 ft, a mud weight of 10 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Casing Schematic

Green River

Surface

8-5/8"
MW 8.4
Frac 19.3

TOC @
0.

1231 TOC Tail

w/18% Washout

Surface
2000. MD

BHP
 $(.052)(10)(7604) = 3954$
 Anticipate < 3000

Stip
 TOC +/- 3300'
 protect Wasatch

8356 Wasatch

Gas
 $(.12)(7604) = 912$
 Masp = 3042

TOC @
3793.

fluid
 $(.22)(7604) = 1672$
Masp = 2282

5256 Mesaverde

w/15% Washout

5752 TOC Tail

BOP - 3,000 ✓

Surf Csg - 4460
 70% = 3122
 Op. Max Press @ Shoe = 1767 PSI
 Max pressure @ Surf Shoe = 2722
 propose test to 1500 #
 Test to 700 # ✓

4-1/2"
MW 10.

Production
7604. MD

✓ Adequate D&D 4/15/05



From: Ed Bonner
To: Whitney, Diana
Date: 4/21/2005 2:34:20 PM
Subject: Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

The Houston Exploration Company

- Buck Camp 2-2
- Buck Camp 4-36
- Hanging Rock 1-32
- Hanging Rock 16-32
- Rockhouse 3-32-10-23
- Rockhouse 7-32-10-23
- Rockhouse 9-32-10-23 ✓
- Rock House 4-32
- Rock House 5-32
- Rock House 13-32
- Rock House 1-36-10-22
- Rock House 3-36-10-22
- Rock House 7-36-10-22
- Rock House 12-36-10-22

If you have any questions regarding this matter please give me a call.

CC: Garrison, LaVonne; ginger_stringham@yahoo.com; Hill, Brad; Hunt, Gil

**State of Utah****Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

MARY ANN WRIGHT
Acting Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 21, 2005

The Houston Exploration Company
1100 Louisiana, Suite 2000
Houston, Texas 77002

Re: Rock House 9-32-10-23 Well, 2098' FSL, 1042' FEL, NE SE, Sec. 32,
T. 10 South, R. 23 East, Uintah County, Utah

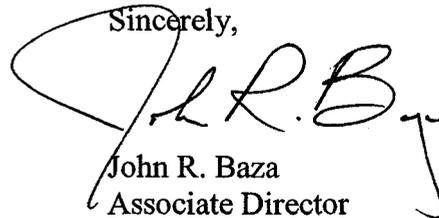
Gentlemen:

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 43-047-36337.

Sincerely,



John R. Baza
Associate Director

jc
Enclosures

cc: Uintah County Assessor
SITLA

Operator: The Houston Exploration Company

Well Name & Number Rock House 9-32-10-23

API Number: 43-047-36337

Lease: ML-47063

Location: NE SE Sec. 32 T. 10 South R. 23 East

Conditions of Approval

1. **General**

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

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

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

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

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

Page 2

API # 43-047-36337

April 21, 2005

6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: ENDURING RESOURCES LLC

Well Name: ROCK HOUSE 9-32-10-23

Api No: 43-047-36337 Lease Type: STATE

Section 32 Township 10S Range 23E County UINTAH

Drilling Contractor PETE MARTIN'S RIG # BUCKET

SPUDDED:

Date 10/15/05

Time 3:00 PM

How DRY

Drilling will Commence: _____

Reported by DOUG HAMMOND

Telephone # 1-435-790-6996

Date 10/17/05 Signed CHD

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

FORM 6

ENTITY ACTION FORM

Operator: The Houston Exploration Company
Address: 1100 Louisiana, Ste 2000
city Houston
state TX zip 77002

Operator Account Number: N 2525
Phone Number: (303) 350-5114

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304736337	Rock House 9-32		NESE	32	10S	23E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	14993	10/16/2005		10/20/05		
Comments: <u>CSLGT=MVRD</u>							CONFIDENTIAL J

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

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)

Alvin R. (AI) Arlian

Name (Please Print)



Signature

Agent

Title

10/17/2005

Date

RECEIVED

OCT 1 / 2005

475 17th Street, Suite 1500
Denver, CO 80202
Office (303) 573-1222
Fax: (303) 573-0461

Enduring Resources, LLC

Fax

To: Brad Hill **From:** Al Arlian 303-350-5114
Fax: 801-359-3940 **Pages:**
Phone: **Date:** October 20, 2005
Re: Move BHL **e-mail:** arlian@enduringresources.com

Urgent **For Review** **Please Comment** **Please Reply** **Please Recycle**

● **Comments**

4 Pages, including this page.

Brad, pursuant to our telephone conversation today:

1. I am an employee of Enduring Resources, LLC, but working as an agent for The Houston Exploration Company during the pending transfer of a few last wells.
2. We have built the location for the attached well and the rotary rig is days away. However reviewing the well locations it would be justified to directionally drill this well.
3. I am sending hard copies of the attached via over-night delivery.

Thank you for your assistance.

Al Arlian, Agent for The Houston Exploration Company

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU 47068 **ML-47063**

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
n/a

7. UNIT or CA AGREEMENT NAME:
n/a

1. TYPE OF WELL OIL WELL GAS WELL OTHER CONFIDENTIAL

8. WELL NAME and NUMBER:
Rock House #9-32-10-23

2. NAME OF OPERATOR:
The Houston Exploration Company

9. API NUMBER:
4304736337

3. ADDRESS OF OPERATOR:
1100 Louisiana, Suite 20 CITY Houston STATE TX ZIP 77002

PHONE NUMBER:
(303) 350-5114

10. FIELD AND POOL, OR WILDCAT:
Natural Buttes

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2,098' FSL - 1,042' FEL COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 23E S STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>10/27/2005</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Move BHL.</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Surface issues prevent moving the surface location of this well to the center of the NESE and the well location has already been built. However, if this well is drilled vertically from its current "exception" location the BHL will be to close (606' +/-) to the #10D-32 well (see plat attached).

In order to prevent waste...

The Houston Exploration Company respectfully requests approval to directional drill from the current surface location to a BHL of 1,750' FSL - 660' FEL.

Proposed well locations: Surface Location: 2,098' FSL - 1,042' FEL
Bottom Hole Location: 1,750' FSL - 660' FEL

A directional drill program is currently being prepared and will be submitted prior to spudding well.

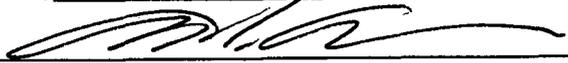
BHL 641655 X 39.902981
4418094Y -109.342923

COPY

COPY SENT TO OPERATOR
Date: 11-2-05
Initials: CHD

NAME (PLEASE PRINT) Alvin R. (Al) Arlian

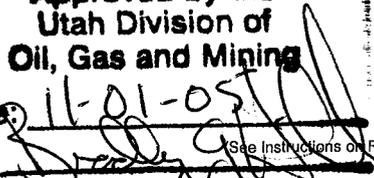
TITLE Agent

SIGNATURE 

DATE 10/20/2005

(This space for State use only)

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 11-01-05
By:  (See Instructions on Reverse Side)

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OCT 25 2005

DIV. OF OIL, GAS & MINING

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: 47063	6. SURFACE: State
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
2. NAME OF OPERATOR: The Houston Exploration Company		8. UNIT or CA AGREEMENT NAME:	
3. ADDRESS OF OPERATOR: 1100 Louisiana Suite 20 Houston TX 77002		PHONE NUMBER: (713) 830-6800	9. WELL NAME and NUMBER: Rockhouse 9-32-10-23
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2098' FSL & 1042' FEL AT PROPOSED PRODUCING ZONE: same as above		10. FIELD AND POCL OR WLD CAT: Natural Buttes	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 77.6 miles South of Vernal, UT		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 23E	12. COUNTY: Uintah
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1042'		16. NUMBER OF ACRES IN LEASE: 640	13. STATE: UTAH
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 606'		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	20. BOND DESCRIPTION: 104155044
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5336.4 GR		19. PROPOSED DEPTH: 7,604	23. ESTIMATED DURATION: 30 Days
22. APPROXIMATE DATE WORK WILL START: 3/15/2005		24.	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
11"	8 5/8	J-55	.36#	2,000	Primium Lite II	250 sks	3.38 CF	11.0 PPG
					Class G	329 sks	1.2 CF	15.6 PPG
					Calcium Chloride	200 sks	1.10 CF	15.6 PPG
7 7/8	4 1/2	N-80	11.6 #	7,604	Primium Lite II	200 sks	3.3 CF	11.0 PPG
					Class G	400 sks	1.56 CF	14.3 PPG

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) William A Ryan TITLE Agent
SIGNATURE *William A Ryan* DATE 2/9/2005

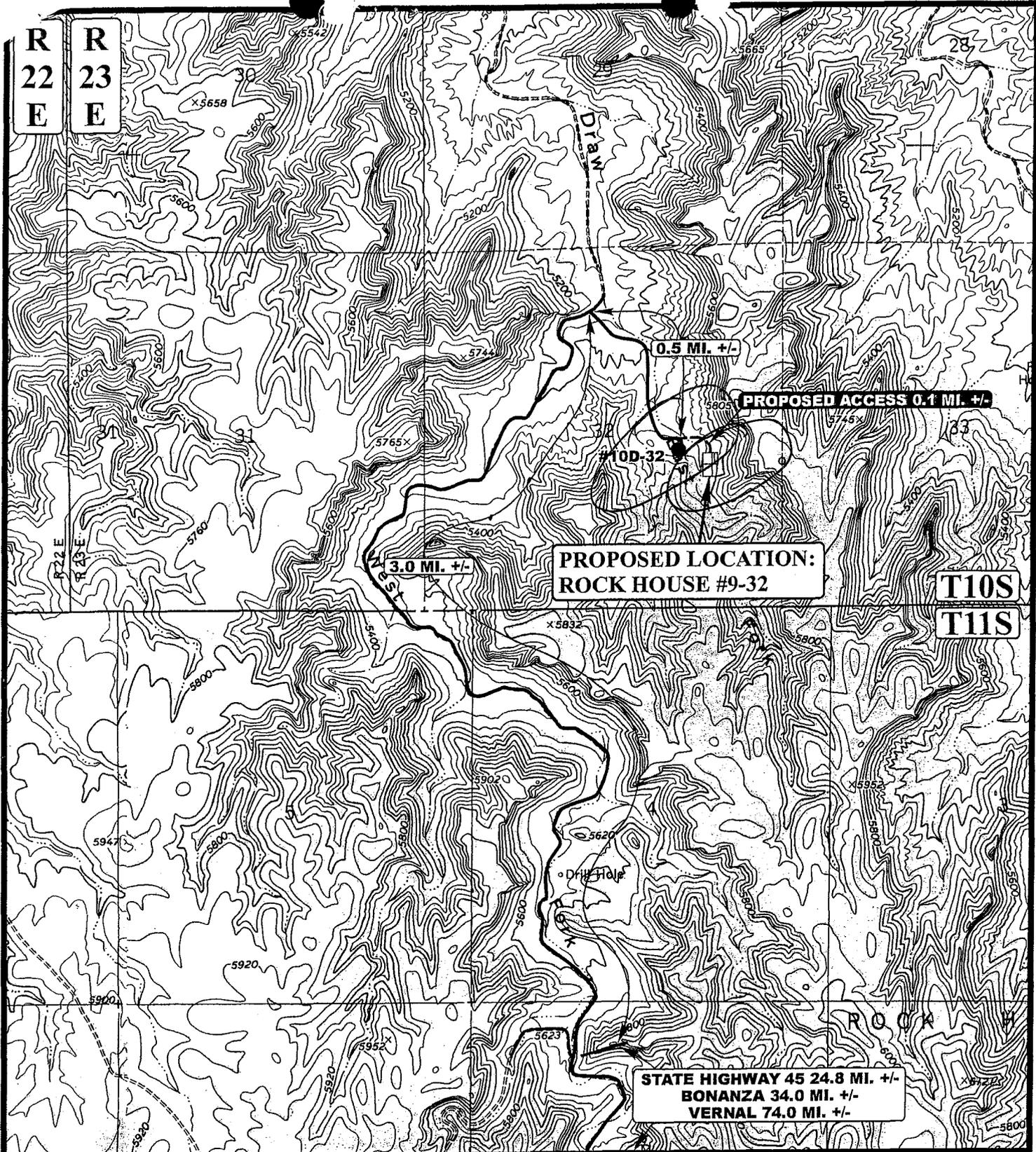
(This space for State use only)

API NUMBER ASSIGNED: _____

APPROVAL: _____

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OCT 25 2005

DIV. OF OIL, GAS & MINING



LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD



THE HOUSTON EXPLORATION COMPANY

ROCK HOUSE #9-32
SECTION 32, T10S, R23E, S.L.B.&M.
2098' FSL 1042' FEL



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

TOPOGRAPHIC	01	27	05
MAP	MONTH	DAY	YEAR
SCALE: 1" = 2000'	DRAWN BY: P.M.		REVISED: 00-00-00



From: "Al Arlian" <aarlian@enduringresources.com>
To: "Diana Whitney" <dianawhitney@utah.gov>
Date: 10/27/2005 2:54:34 PM
Subject: RE: Rock House 9-32-10-23

Diana, Section 32 is state. I will overnight the attached corrected Sundry.

Thanks Al

-----Original Message-----

From: Diana Whitney [mailto:dianawhitney@utah.gov]
Sent: Thursday, October 27, 2005 2:23 PM
To: aarlian@enduringresources.com
Subject: Rock House 9-32-10-23

Al,

The lease number that we approved was federal and this sundry is saying it's now a state lease. Will you verify?

>>> Diana Whitney 10/26/2005 2:34 PM >>>

Hi Al,

I need a directional drilling letter for the Rock House 9-32-10-23.

Thanks,
Diana

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47063
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
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.		7. UNIT or CA AGREEMENT NAME: n/a
		8. WELL NAME and NUMBER: Rock House #9-32-10-23
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	CONFIDENTIAL	
2. NAME OF OPERATOR: Enduring Resources, LLC	9. API NUMBER: 4304736337	
3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY Denver STATE CO ZIP 80202	PHONE NUMBER: (303) 350-5114	10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2,098' FSL - 1,042' FEL		COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 23E S		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 10/24/2005	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Conductor/Surface</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Set

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

10-16-2005 MI PETE MARTIN RATHOLE SERVICE AND DRILL 40 FT OF 20" HOLE. RUN 40 FT OF 14" . CONDUCTOR CASING AND CEMENT WITH 3 YARDS OF READYMIX . WAITING ON SURFACE CASING

10-24-2005 DRILLED 12 1/4" SURFACE HOLE TO 2040 FT, RIH WITH CEMENT GUIDE SHOE, 1 JNT, FLOAT COLLAR AND 47 JNTS OF 8 5/8", J55, 24#, SURFACE CSG. TO 1990'. RAN 8 CENTRALIZERS. RAN 200 FT. 1" PIPE DOWN ANNULUS, RU BIG 4 CEMENTERS AND PUMP 100 BBLs WATER, 48 BBLs GEL WATER, (LEAD)225 SKS PREMIUM CEMENT, 16% GEL, 10#/SK GILSONITE, 3% SALT, 1/4#/SK , FLOCELE, 3#/SK GR-3, 11 PPG SLURRY, YIELD 3.82 CUFT/SK, WATER 23 GAL/SK, 153 BBLs SLURRY. (TAIL) 250 SKS PREMIUM CEMENT, 2%CACL2, 1/4#/SK FLOCELE, 15.8 PPG SLURRY, YIELD 1.15 CUFT/SK, 5.0 GAL/SK WATER. 51.2 BBL SLURRY. DROP PLUG ON FLY, (DISPLACEMENT) PUMP WATER DOWN CSG TO LAND PLUG, LAND PLUG AND PRESSURE. TEST TO 450/1000. CEMENT TO SURFACE. (TOP JOB) 175 SKS PREMIUM CEMENT, 4%CACL2, 1/4#/SK FLOCELE, 16 PPG SLURRY, YIELD 1.10 CUFT/SK, WATER 4.8 GAL/SK, 34.28 BBL SLURRY. PUMP SLURRY DOWN 1" PIPE, GOOD 16# CEMENT TO SURFACE. CEMENT STAYING AT SURFACE. END JOB

WAITING ON ROTARY TOOLS

Utah State Bond #RLB0008031
Operator No. N2750

I FORGOT THE TOP JOB ON THE PRIOR SUNDRY. AL

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE _____	DATE <u>11/8/2005</u>

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NOV 15 2005

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47063
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	CONFIDENTIAL	
2. NAME OF OPERATOR: Enduring Resources, LLC		
3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY Denver STATE CO ZIP 80202	PHONE NUMBER: (303) 350-5114	9. API NUMBER: 4304736337
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2,098' FSL - 1,042' FEL	10. FIELD AND POOL, OR WILDCAT: Natural Buttes	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 23E S		COUNTY: Uintah STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Conductor/Surface</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	Set

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

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WAITING ON ROTARY TOOLS Utah State Bond #RLB0008031
Operator No. N2750

NAME (PLEASE PRINT) <u>Alvin R. (AI) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>11/8/2005</u>

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DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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2. NAME OF OPERATOR: Enduring Resources, LLC		8. WELL NAME and NUMBER: Rock House #9-32-10-23
3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY Denver STATE CO ZIP 80202		9. API NUMBER: 4304736337
		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2,098' FSL - 1,042' FEL		COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 23E S		STATE: UTAH

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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Conductor/Surface Set</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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WAITING ON ROTARY TOOLS
Utah State Bond #RLB0008031
Operator No. N2750

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>11/4/2005</u>

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NOV 17 2005

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

FORM 9

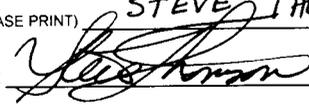
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47063
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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: n/a
2. NAME OF OPERATOR: The Houston Exploration Company <i>N2525</i>		8. WELL NAME and NUMBER: Rock House #9-32-10-23
3. ADDRESS OF OPERATOR: 1100 Louisiana, Ste. 2000 Houston TX 77002	PHONE NUMBER: (303) 350-5114	9. API NUMBER: 4304736337
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TYPE OF SUBMISSION	TYPE OF ACTION		
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<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/4/2005	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of Operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Change of operator from Houston Exploration Company to Enduring Resources, LLC effective 11-004-2005
 Enduring Resource, LLC *N2750*
 475 17th Street, Suite 1500
 Denver, Colorado 80202
 Contract: Al Arlian, Landman - Regulatory Specialist

ENDURING RESOURCES, LLC
 X  DATE: 3-27-2006
 BY: Alvin R. Arlian, Landman - Regulatory Specialist
 Utah State Bond #RLB0008031
 Operator No. N2750

NAME (PLEASE PRINT) STEVE THOMSON TITLE OPERATIONS MANAGER
 SIGNATURE  DATE 3/28/2006

(This space for State use only)
APPROVED *04*
Earlene Russell *10312006*
 (5/2000) Division of Oil, Gas and Mining
 Earlene Russell, Engineering Technician (See Instructions on Reverse Side)

RECEIVED
APR 03 2006
 DIV. OF OIL, GAS & MINING

STATE OF UTAH
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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Production Casing -</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Cement Report</u>

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

Directional Survey ("As Drilled") Attached. *(With WCR)*

12-24-2005 Run 177JTS 4-1/2" 11.6 lbs/ft ,M80,LTC,NEW, Total footage: 7459.46' KB. Centralizers at 7427, 7192, 6680, 6769', 6558', 6346', 6135', 5924', 5712', 5501', 5290', 5079', 4867', 4656', and 4445'. MARKER JTS #1 @ 5141.91-5158.29,#2 @ 3231.77-3220.21.

Cement program: 10 bbls fresh, 20 bbls super flush, 10bbls fresh. LEAD: 97 sxs w/ 16% gel, 75% EX-1, 8% HR-7, 3% Salt, 25% flocele, 3#/s/sx granulite, 5#/sxs gilsonite mixed at 11.00 PPG yield 3.8 H2O 23.34 gals, 65 bbls Slurry.
TAIL: 1334 sxs G 50/50/poz gel, 6 Halad-322, 2% microbondm, 5% salt, .25#/sx flocel, .2% supercbl, mixed at 14.35ppg yield of 1.26 with 5.53 gals H2O per sx, displace with H2O, 299 bbls slurry.

Bumped Plug @ 2,800 PSI @2,152 Floats held on 11-25-05 @ 2152 Hrs.

WAITING ON COMPLETION RIG

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>12/12/2005</u>

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS			5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47063
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
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.			7. UNIT or CA AGREEMENT NAME: n/a
			8. WELL NAME and NUMBER: <u>9-32-10-23</u> Rock House #10-23-43-32
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <u>CONFIDENTIAL</u>	2. NAME OF OPERATOR: Enduring Resources, LLC		9. API NUMBER: 4304736337
3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY Denver STATE CO ZIP 80202		PHONE NUMBER: (303) 350-5114	10. FIELD AND POOL, OR WILDCAT: Natural Buttes
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2,098' FSL - 1,042' FEL			COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 23E S			STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 1/23/2006	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>1st Sales</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

1st Sales Notice... 1-23-2006

Completion Report to follow.

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>3/1/2006</u>

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: **ML-47063**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: **n/a none**

7. UNIT OR CA AGREEMENT NAME: **n/a none**

8. WELL NAME and NUMBER: **Rock House 10-23-43-32**

9. API NUMBER: **4304736337**

10. FIELD AND POOL, OR WILDCAT: **Natural Buttes**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NESE 32 10S 23E S**

12. COUNTY: **Uintah** 13. STATE: **UTAH**

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

2. NAME OF OPERATOR: **Enduring Resources, LLC**

3. ADDRESS OF OPERATOR: **475 17th St., Ste 475** CITY **Denver** STATE **CO** ZIP **80202** PHONE NUMBER: **(303) 350-5114**

4. LOCATION OF WELL (FOOTAGES):
AT SURFACE: **2098' FSL - 1042' FEL**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **1636' FSL - 565' FEL**
AT TOTAL DEPTH: ¹⁶³⁷ **1636' FSL - 565' FEL**

14. DATE SPURRED: **10/16/2005** 15. DATE T.D. REACHED: **12/24/2005** 16. DATE COMPLETED: **1/19/2006** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **5347" RT-KB**

18. TOTAL DEPTH: MD **7,502 7468** 19. PLUG BACK T.D.: MD **7,502** 20. IF MULTIPLE COMPLETIONS, HOW MANY? * **5** 21. DEPTH BRIDGE MD **MD** PLUG SET: **TVD**

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each):
Previously Submitted. FEITRIPE COMBO JCR MUD LOG

23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14"	Line Pipe	0	40		3 yds		0	0
12-1/4	8-5/8 J-55	24#'s	0	1,990		Prem 650	239	0	0
7-7/8"	4-1/2 M-80	11.6#	0	7,420		Prem 1,431	264		0

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	6.883	6.883						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Mesaverde	6,444	6,928			6,444 6,928	1' slot	5	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6444' - 6928'	204,086 lbs 20/40 Ottawa Sand in 5 intervals: 6444', 6542', 6761', 6830', 6928'. All 1ft slots/cuts.

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: _____

30. WELL STATUS: **Producing**

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DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 1/30/2006	TEST DATE: 2/28/2006	HOURS TESTED: 720	TEST PRODUCTION RATES: →	OIL - BBL: 1	GAS - MCF: 119	WATER - BBL: 10	PROD. METHOD: 30 Day Ave			
CHOKE SIZE: 18	TBG. PRESS.	CSG. PRESS. 595	API GRAVITY	BTU - GAS	GAS/OIL RATIO 119	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 344	WATER - BBL: 0	INTERVAL STATUS: producing

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:			
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:			
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:			
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

n/a Waiting Completion Rig.

33. 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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Wasatch	3,305				
Mesaverde	5,163				
Sequo	7,292				
Buck Tongue	7,448				

35. ADDITIONAL REMARKS (Include plugging procedure)

A complete completion report will be filed when the well is completed. Waiting on completion rig.

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

NAME (PLEASE PRINT) Christian Veillette TITLE Engineer
 SIGNATURE *Christian Veillette* DATE 3/31/2006

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 Box 145801
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
 Fax: 801-359-3940

Weatherford International Survey Report

Company: Enduring Resources **Date:** 12/12/2005 **Time:** 16:18:47 **Page:** 1
Field: Natural Buttes **Co-ordinate(NE) Reference:** Site: Rock House 9-32-10-23, True North
Site: Rock House 9-32-10-23 **Vertical (TVD) Reference:** SITE 5348.0
Well: Rock House 9-32-10-23 *NM chyl top* **Section (VS) Reference:** Site (0.00N,0.00E,132.33Azi)
Wellpath: 1 *ROCK HOUSE 10-23-43-32* **Survey Calculation Method:** Minimum Curvature **Db:** Sybase

Field: Natural Buttes
 Utah
 U.S.A.
Map System: US State Plane Coordinate System 1983 **Map Zone:** Utah, Central Zone
Geo Datum: GRS 1980 **Coordinate System:** Site Centre
Sys Datum: Mean Sea Level **Geomagnetic Model:** igr2005

Site: Rock House 9-32-10-23
 NE/SE Sec. 32, T10S, R23E, Uintah County, Utah
 2098' FSL & 1042' FEL
Site Position: Northing: 7141035.94 ft Latitude: 39 54 14.240 N
From: Geographic Easting: 2244881.89 ft Longitude: 109 20 42.210 W
Position Uncertainty: 0.00 ft North Reference: True
Ground Level: 5336.00 ft Grid Convergence: 1.38 deg

Well: Rock House 9-32-10-23 **Slot Name:**
Well Position: +N/-S 0.00 ft Northing: 7141035.94 ft Latitude: 39 54 14.240 N
 +E/-W 0.00 ft Easting: 2244881.89 ft Longitude: 109 20 42.210 W
Position Uncertainty: 0.00 ft

Wellpath: 1 **Drilled From:** Surface
Current Datum: SITE **Height** 5348.00 ft **Tie-on Depth:** 0.00 ft
Magnetic Data: 10/24/2005 **Above System Datum:** Mean Sea Level
Field Strength: 52915 nT **Declination:** 11.71 deg
Vertical Section: Depth From (TVD) +N/-S +E/-W **Mag Dip Angle:** 65.97 deg
 ft ft ft **Direction**
 deg
 0.00 0.00 0.00 132.33

Survey: Working Survey **Start Date:** 11/15/2005
Company: Weatherford International **Engineer:** Scott Wallace
Tool: MWD;MWD - Standard **Tied-to:** From Surface

Survey: Working Survey

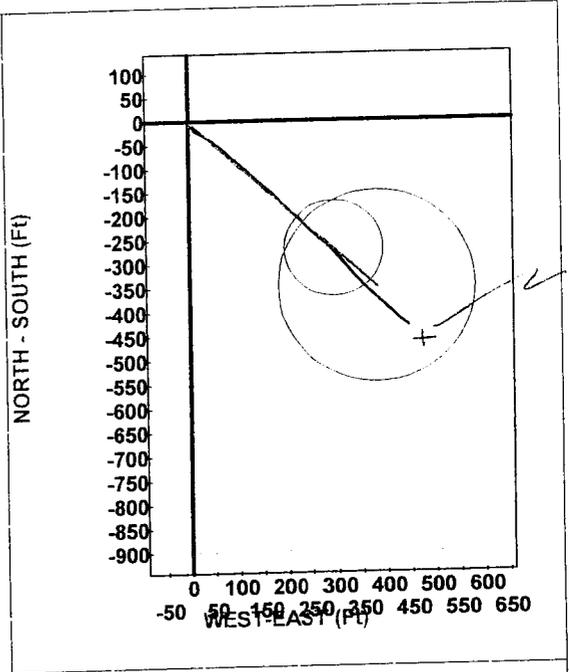
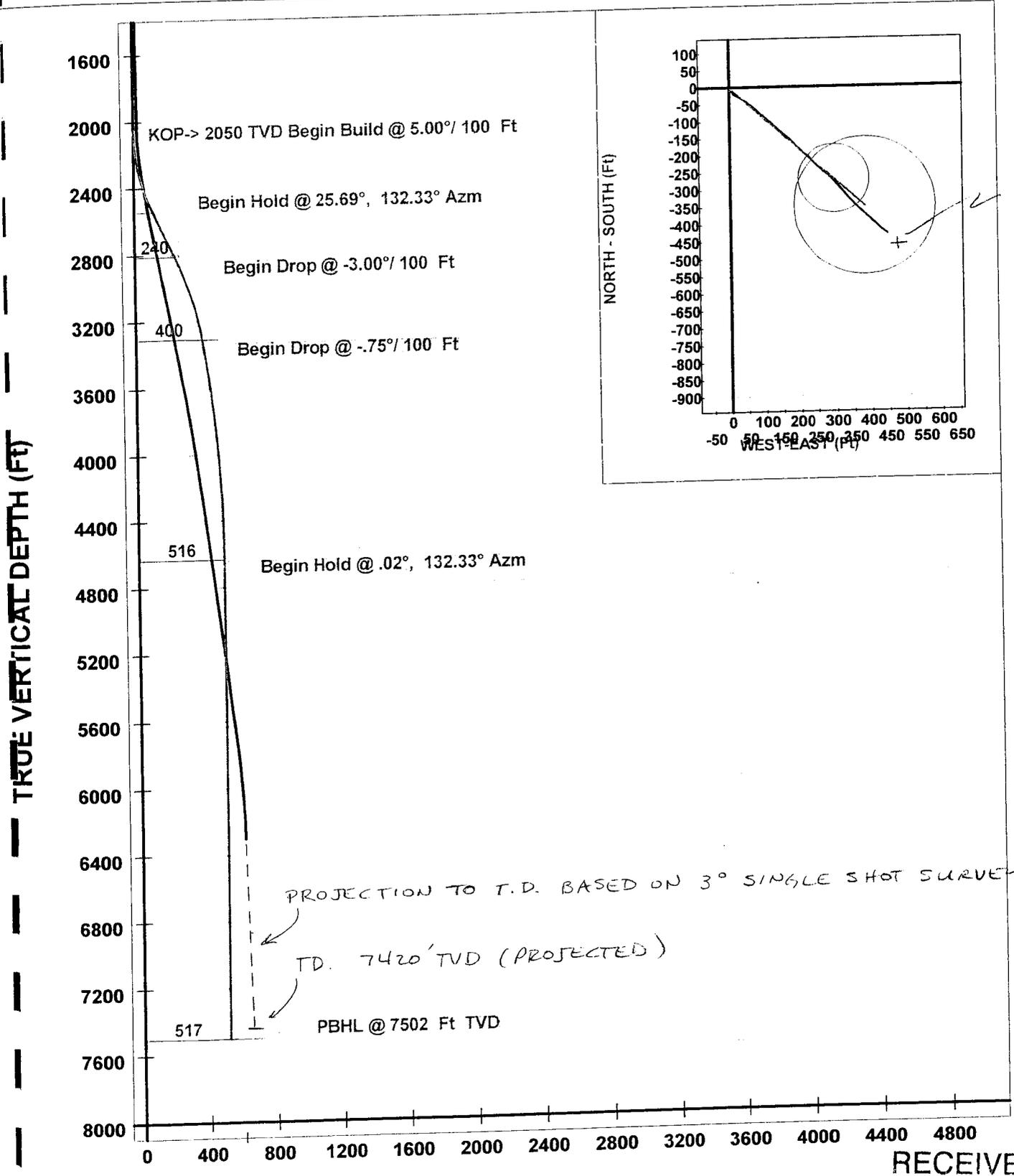
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
2054.00	1.30	145.70	2053.82	-19.25	13.13	22.67	0.06	0.06	0.00	MWD
2084.00	1.10	132.30	2083.82	-19.72	13.54	23.29	1.14	-0.67	-44.67	MWD
2116.00	2.20	122.80	2115.80	-20.26	14.28	24.20	3.53	3.44	-29.69	MWD
2146.00	4.00	117.80	2145.76	-21.06	15.69	25.78	6.06	6.00	-16.67	MWD
2210.00	6.40	122.10	2209.49	-24.00	20.69	31.45	3.80	3.75	6.72	MWD
2271.00	7.20	121.10	2270.06	-27.78	26.84	38.55	1.33	1.31	-1.64	MWD
2333.00	8.50	121.60	2331.48	-32.19	34.07	46.86	2.10	2.10	0.81	MWD
2394.00	9.00	126.70	2391.77	-37.40	41.73	56.04	1.51	0.82	8.36	MWD
2457.00	9.10	127.60	2453.99	-43.39	49.63	65.91	0.28	0.16	1.43	MWD
2519.00	10.20	127.60	2515.11	-49.73	57.87	76.27	1.77	1.77	0.00	MWD
2582.00	11.10	129.50	2577.02	-56.99	66.97	87.88	1.53	1.43	3.02	MWD
2643.00	10.50	131.20	2636.94	-64.39	75.68	99.31	1.11	-0.98	2.79	MWD
2705.00	10.90	132.80	2697.86	-72.09	84.23	110.82	0.80	0.65	2.58	MWD
2767.00	11.80	130.70	2758.65	-80.21	93.34	123.01	1.60	1.45	-3.39	MWD
2829.00	11.80	133.40	2819.34	-88.70	102.75	135.69	0.89	0.00	4.35	MWD
2891.00	11.50	133.50	2880.06	-97.31	111.84	148.21	0.48	-0.48	0.16	MWD
2952.00	11.30	134.10	2939.86	-105.65	120.54	160.26	0.38	-0.33	0.98	MWD
3015.00	11.20	134.10	3001.65	-114.21	129.37	172.54	0.16	-0.16	0.00	MWD
3078.00	10.80	133.20	3063.49	-122.50	138.06	184.56	0.69	-0.63	-1.43	MWD
3139.00	10.80	131.20	3123.41	-130.18	146.53	195.99	0.61	0.00	-3.28	MWD
3202.00	10.80	131.90	3185.30	-138.01	155.37	207.79	0.21	0.00	1.11	MWD
3264.00	10.80	134.20	3246.20	-145.94	163.85	219.41	0.70	0.00	3.71	MWD
3327.00	10.60	134.60	3308.10	-154.12	172.21	231.10	0.34	-0.32	0.63	MWD

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Company: Enduring Resources LLC
 Lease/Well: Rock House 9-32-10-23
 Location: Sec 32, T10S, R23E
 State/Country: Utah, Uintah

10-23-43-32



--- Work --- S-Well

VERTICAL SECTION (Ft) @ 132.33°

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2,098' FSL - 1,042' FEL		8. WELL NAME and NUMBER: Rock House #10-23-43-32
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 32 10S 23E S		9. API NUMBER: 4304736337
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Natural Buttes
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
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	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 11/9/2007	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Pit Closed and Reseeded
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

11-9-2007 Pit has been backfilled and reseeded.

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>11/9/2007</u>

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NOV 15 2007