

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-76970
1b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR Equity Oil Company		7. UNIT AGREEMENT NAME N/A
3. ADDRESS OF OPERATOR P.O. Box 310, Cody WY 82414		8. FARM OR LEASE NAME WELL NO Snake John Fed. #1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface Lot 3 216' FNL and 2104 FWL At proposed Prod. Zone 4457117 N 662642 E		9. API WELL NO. 43-047-34024
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 12.1 miles East of Jensen		10. FIELD AND POOL OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to Approx. 216' f/lse line)	16. NO. OF ACRES IN LEASE 60	17. NO. OF ACRES ASSIGNED TO THIS WELL 60
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. No other wells on this lease	19. PROPOSED DEPTH 7625'	20. ROTARY OR CABLE TOOLS Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5536.9' GR	22. APPROX. DATE WORK WILL START* Second Qtr 2001	
23. PROPOSED CASING AND CEMENTING PROGRAM		

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	1000'	210 sks lead followed by 100 sks tail (see below)
8 3/4"	5 1/2"	15.5# & 17#	TD	290 sks +/- 10%

SURFACE PIPE - Lead: 210 sks 35/65 Pozmix with 6% gel, 0.25 #/sk celloflake and 3% CaCl2
Weight: 12.9 ppg Yield: 1.8 cu ft./sk Water: 9.45 gal/sk

Tail: 100 sks Class G Cement with 0.25 #/sk celloflake and 2% CaCl2
Weight: 15.8 ppg Yield: 1.16 cu ft./sk Water: 4.95 gal/sk

LONG STRING - 290 sks 50/50 Pozmix with 2% gel & 0.2% dispersant
Weight: 14.2 ppg Yield: 1.29 cu ft./sk Water: 5.84 gal/sk

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Jon Holst TITLE Permitting Agent DATE 4/6/01

(This space for Federal or State office use)
PERMIT NO. 43-047-34024 APPROVED BY Bradley G. Hill
Application approval does not warrant or certify that the applicant holds legal or equitable title to the rights in the subject lease which would entitle the applicant to conduct operations thereon.

CONDITIONS OF APPROVAL, IF ANY:
APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL DATE 05-15-01
RECLAMATION SPECIALIST III

RECEIVED

APR 11 2001

DIVISION OF
OIL, GAS AND MINING

*See Instructions On Reverse Side

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

T7S, R25E, S.L.B.&M.

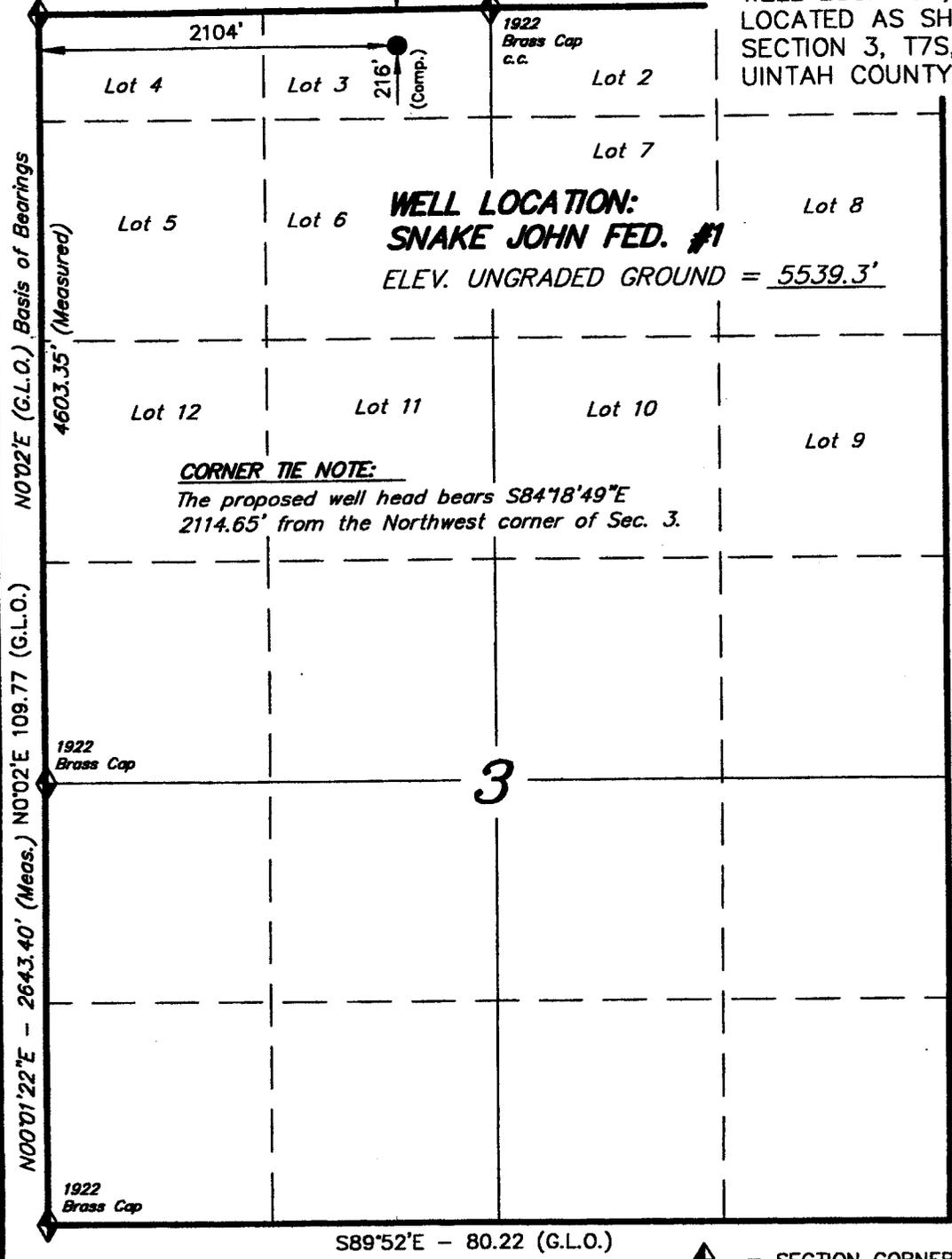
EQUITY OIL COMPANY

1922
Brass Cap
c.c.

S89°49'14"W - 2655.17' (Meas.)

WEST (G.L.O.)

WELL LOCATION, SNAKE JOHN FED. #1,
LOCATED AS SHOWN IN LOT 3 OF
SECTION 3, T7S, R25E, S.L.B.&M.
UINTAH COUNTY, UTAH.



N0°02'E (G.L.O.) Basis of Bearings
4603.35' (Measured)

N00°01'22"E - 2643.40' (Meas.) N0°02'E 109.77 (G.L.O.)

N0°03'E - 110.10 (G.L.O.)



◆ = SECTION CORNERS LOCATED
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (OURAY SE)

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

REG. NO. 14102
STATE OF UTAH
GENE STEWART
REGISTERED LAND SURVEYOR

TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH - VERNAL, UTAH 84078
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: C.D.S.
DATE: 2-8-01	WEATHER: COLD
DRAWN BY: J.R.S.	FILE #

**Jon D. Holst &
Associates, LLC**

2507 Flintridge Place
Ft. Collins, CO 80521
Phone: 970-481-1202
Fax: 707-313-3778
jondholst@yahoo.com

April 6, 2001

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
ATTN: Lisha Cordova
P.O. Box 145601
Salt Lake City, UT 84114-5801

RE: Application for Permit to Drill

Dear Lisha:

Please find attached an Application for Permit to Drill (APD) the following well for Equity Oil Company:

Snake John Federal #1, Lot 3, Section 3, T7S, R25E, Uintah County

Please note that due to atypical shape of this section, the requested location for this well encroaches well within 460' from the adjacent lease to the north (U-71437), which encompasses all of Section 34, T6S, R25E. This lease, however, is owned entirely by Equity Oil Company, so no other interest owners would be affected (see attached e-mail communication from Equity Oil Company).

Please send the approved APD to Brent Marchant at Equity's field office in Cody Wyoming (see APD for address). Contact me at (970) 481-1202 if you have any questions or require additional information. Thank you for your assistance with this APD.

Respectfully,



Jon D. Holst
Permitting Agent

RECEIVED

APR 11 2001

DIVISION OF
OIL, GAS AND MINING

Equity for jondholst@yahoo.com

Yahoo! - My Yahoo! Options - Sign Out - Help



Mail Addresses Calendar Notepad

Shopping sprees



Reply Reply All Forward as attachment

Download Attachments

Delete Prev Equity

- Choose Folder - Move

Date: Sun, 21 Jan 2001 07:54:11 -0800 (PST)

From: Jon Holst <jon_holst@excite.com> | Block Address | Add to Address Book

To: jondholst@yahoo.com

Subject: Fwd: #1 Snake John well, Raven Ridge Prospect, Uintah Co., UT

Send a cool gift with your E-Card
<http://www.bluemountain.com/giftcenter/>

John and Jon,
 I have reviewed the proposed location for the #1 Snake John well in regards to a possible location exception. After reviewing the legal location window for statewide 40 acre spacing, it appears our surface location would be legal east and west but not legal on the north side. Since we own the leasehold towards which we are moving and since we are only required to notify parties within a 460 foot circle from the proposed location, it appears we own all the pertinent leasehold and there is no one to notify.
 It therefore seems we could bypass the location exception request and just submit the APD with a cover letter mentioning the location and the fact that we own the leasehold towards which we are moving. Upon review of the APD, if the State of Utah thinks we still need a location exception, they will notify us.
 Alan Wild

Delete Prev Equity

- Choose Folder - Move

Reply Reply All Forward as attachment

Download Attachments

EQUITY OIL COMPANY
SNAKE JOHN FEDERAL #1
LEASE #U-76970
LOT 3, SECTION 3, T7S, R25E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Mesaverde formation of Upper Cretaceous Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Mesaverde	Surface
Mancos Shale	2350'
Frontier Fm.	7275'
Upper Dakota Sand	7565'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Frontier Fm.	7275' – 7565'	Oil, Gas and Water
Dakota Fm.	7565' – 7625'	Oil, Gas and Water

4. **PROPOSED CASING PROGRAM:**

Surface Casing: 9-5/8", 36#, J or K-55 w/ST&C couplings; set at 1000' (New)
Production Casing: 5-1/2", 15.5# and 17#, K-55, ST&C; set at TD (New).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

The operator's minimum specifications for pressure control equipment are as follows:

A 10", 2M double ram BOP and hydraulic unit with a closing unit will be utilized. Function of BOP's will be checked daily.

Refer to Exhibit A for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

The well will be drilled with fresh water (native mud) to surface casing depth in the Mesaverde. From surface casing to 2300' (top of Mancos), a fresh water/polymer system will be utilized. From 2300' to TD a fresh water/polymer will again be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and barite as necessary. No chromate additives will be utilized in the fluid system. The anticipated final mud weight is 9.6 ppg (weighted as necessary for gas control).

MUD PROGRAM	MUD TYPE
Surface – 2300'	fresh water/polymer
2300' – TD'	fresh water/polymer

In the event that circulation is lost and the proposed well must be "Air Drilled", EQUITY OIL COMPANY (EQUITY) requests a variance to regulations requiring a straight run bloopie line. EQUITY proposes that the flowline will contain two (2) 90-degree turns. EQUITY also requests a

variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. EQUITY requests authorization to ignite as needed, and the flowline at 80'.

EQUITY requests that the spark arrest, exhaust, or water cooled exhaust be waived under the Special Drilling Operations of Onshore Order #2.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be an upper kelly cock valve, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, SP, Gamma Ray and Caliper log from TD to base of surface casing @ 1000' +/-, and a Compensated Neutron-Formation Density Log from TD to 7200' +-. A cement bond log will be run from PBD to cement top. Drill stems tests are planned for the Dakota Fm. and possibly the Frontier Fm.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated maximum bottom hole pressure is 3340 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H₂S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the second quarter of 2001, and take approximately twenty (20) days from spud to rig release.

EQUITY OIL COMPANY
SNAKE JOHN FEDERAL #1
LEASE #U-76970
LOT 3, SECTION 3, T7S, R25E
UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach the EQUITY OIL COMPANY (EQUITY) Snake John Federal #1 well location located in Lot 3, Section 3, T7S, R25E, S.L.B. & M., Uintah County, Utah:

Proceed in an easterly direction out of Jensen, Utah along State Highway 40 approximately 8.4 miles to the junction of Highway 40 and an existing County maintained gravel road heading south. Proceed southerly along this gravel road for 2.7 miles to its junction with an existing two-track oil service road leading to the abandoned Max Pray Federal #1. Follow this two track east for approximately 1-mile to the proposed well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the Bureau of Land Management (BLM), or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 0.4 miles of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18" crown road (9" either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**

Refer to **Topographic Map "C"**.

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

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the tanks will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to BLM specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

4. **LOCATION AND TYPE OF WATER SUPPLY**

There will be no water well drilled at this site. Water for drilling operations will be discharged produced water hauled from EQUITY's Ashley Valley fee lease located at NESW Section 23, T5S R22E.

5. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road. A mineral material application is not required for this location.

6. **METHODS FOR HANDLING WASTE DISPOSAL**

A reserve pit (140' x 70' x 8' deep, or less) will be constructed from native soil and clay materials. A water-processing unit may be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the wellbore. Any drilling fluids which accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No chromates, trash or debris, will be placed in this pit.

All completion fluids, frac gels, etc., will be contained in steel tanks and hauled away to approved commercial disposal, as necessary.

A portable toilet will be provided for human waste. A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined in storage tanks. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer along with an application for approval of a permanent disposal method.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

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

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep 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 sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Topsoil will be stripped and salvaged to provide for sufficient quantities to be respread to a depth of at least four to six inches (more if readily available on-site) over the disturbed areas to be reclaimed. Topsoil will be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit will be stockpiled separately near the reserve pit.

Topsoil that will be stored more than one year before reclamation begins:

- will be windrowed, where possible, to a maximum depth of three (3) to four (4) feet near the margin of the well site;
- will be broadcast seeded with the seed mixture specified in the approved permit immediately after windrowing;
- will be "walked" with heavy equipment to crimp the seeds into the soil.

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

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to approximate the natural contours and reclaimed within 120 days from the date of well completion, weather permitting. If a synthetic liner is used in the reserve pit for this well, the pit will be pumped dry of all fluids and hydrocarbons, the excess liner will be cut off and removed, and the remaining liner will be torn, perforated, and folded into the pit. The pit will then be backfilled and recontoured. The liner will be buried to a minimum of four (4) feet deep. Topsoil will be respread, and the pit area reseeded immediately following the respreading of the topsoil. The seed mixture will be that provided by BLM in the Conditions of Approval attached to the approved APD.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment.

At the time of final abandonment, the intent of reclamation will be to return disturbed areas to near natural conditions. All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed within six (6) months after final abandonment, weather permitting. The surface of disturbed areas will be recontoured to blend all cuts, fills, road berms, and borrow ditches to be natural in appearance as compared to the surrounding terrain. Abandoned well sites, road, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the reestablishment of irrigation systems, the reestablishment of appropriate soil conditions, and the reestablishment of vegetation as specified.

After recontouring of disturbed areas, any stockpiled topsoil will be spread over the surface, and the area reseeded immediately. The location and access road will be revegetated to the satisfaction of BLM. The seed mixture will be that provided by BLM in the Conditions of Approval attached to the approved APD. Seed will be drilled on the contour to an appropriate depth, or broadcast and worked into the soil with heavy equipment. Reseeding operations will be performed immediately after completion of reclamation operations.

At final abandonment, the casing will be cut off at the base of the cellar or 3 feet below the final restored ground level. The Operator will cap the casing with a metal plate a minimum of 0.25 inches thick. The cap will be welded in place and the well location and identity will be permanently inscribed on the cap. The cap will be constructed with a weep hole.

11. **SURFACE OWNERSHIP:** Bureau of Land Management

12. **OTHER ADDITIONAL INFORMATION:**

- a) EQUITY responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, EQUITY is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) EQUITY will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on BLM Lands after the conclusion of drilling operations or at any other time without BLM authorization. If BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Archaeological Cultural Resource Survey and Paleontological Resource Survey for areas that will be disturbed are attached.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to EQUITY's field representative to ensure compliance.

Hazardous Material Declaration

EQUITY guarantees that during the drilling and completion of the Snake John Federal #1, EQUITY will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. EQUITY also guarantees that during the drilling and completion of the Snake John Federal #1, EQUITY will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

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

EQUITY or a contractor employed by EQUITY shall contact the Vernal BLM office at (435) 781-4400, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Representative

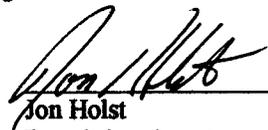
Name: Brent Marchant
Address: EQUITY OIL COMPANY
PO Box 310
Cody, WY 82414
Telephone: 307-587-7812

Certification

Please be advised that EQUITY OIL COMPANY is considered to be the operator of the Snake John Federal #1 well, located in Lot 3 of Section 3, T7S, R25E, LEASE #UT-5084, Uintah County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by BLM Bond No. CO1236.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by EQUITY OIL COMPANY and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

4/6/01
Date


Jon Holst
Permitting Agent
EQUITY OIL COMPANY

BOP STACK
2,000 PSI

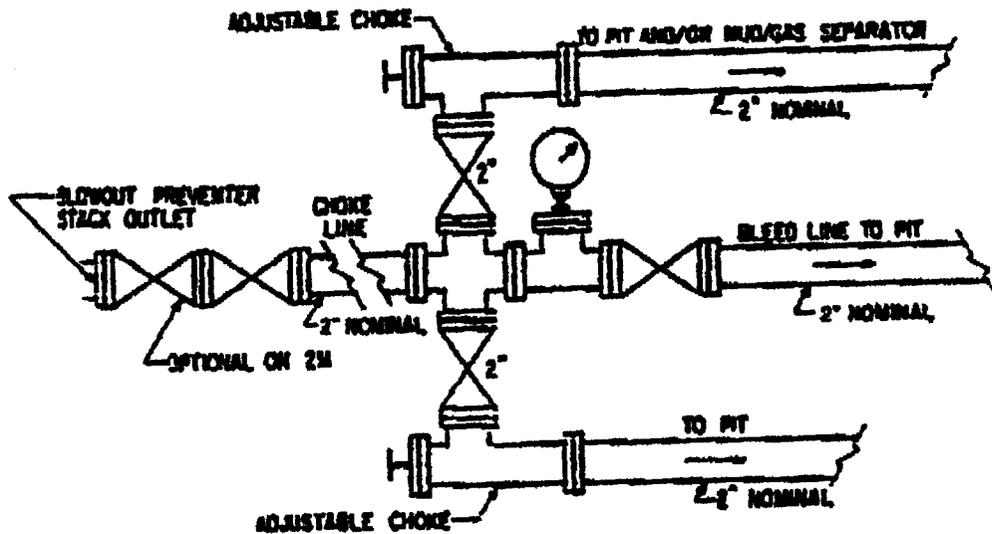
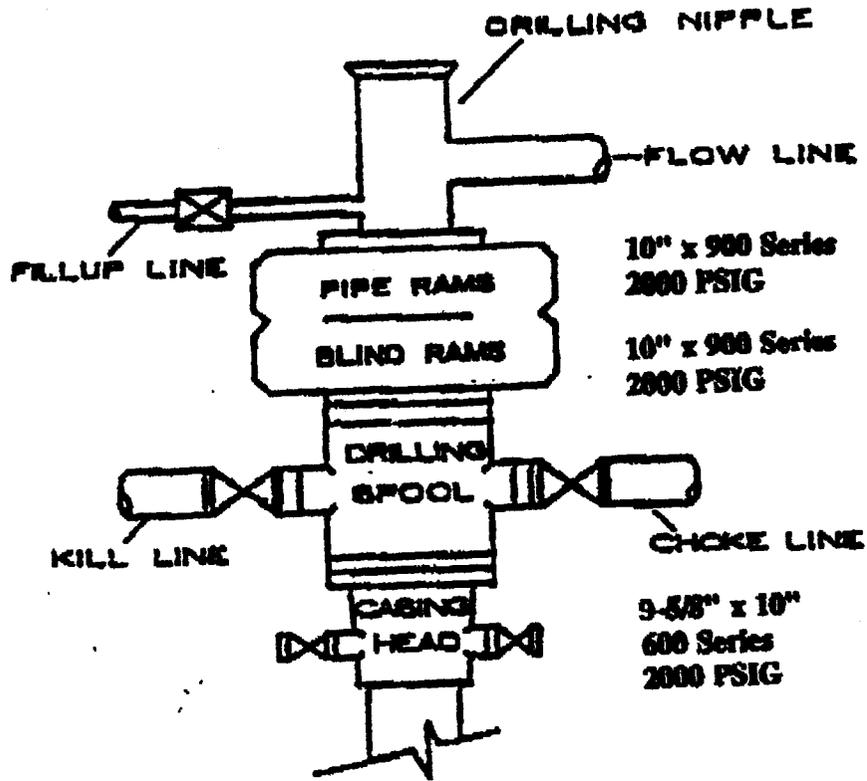
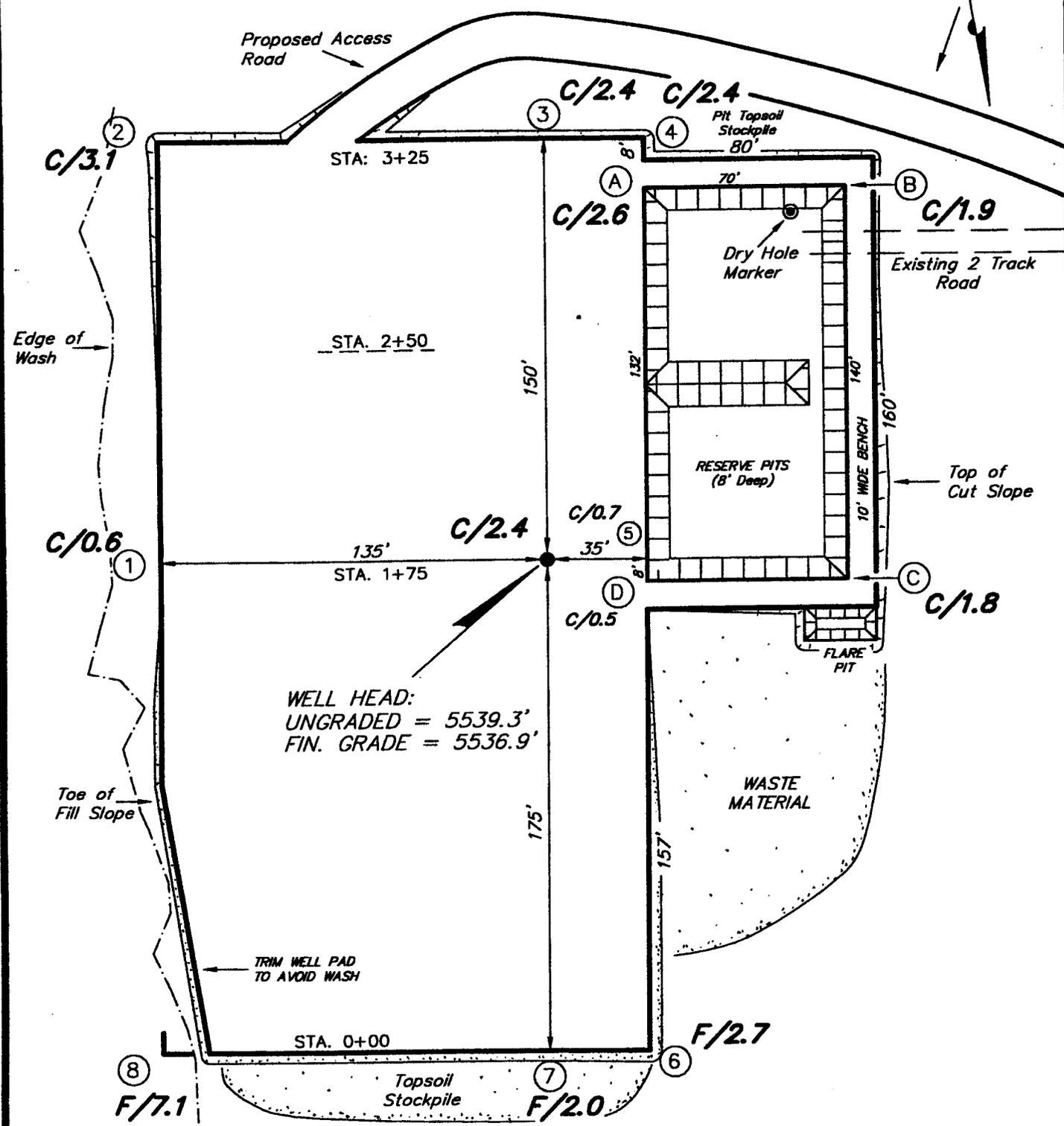


Exhibit A

EQUITY OIL COMPANY

SNAKE JOHN FED. #1
SEC. 3, T7S, R25E, S.L.B.&M.



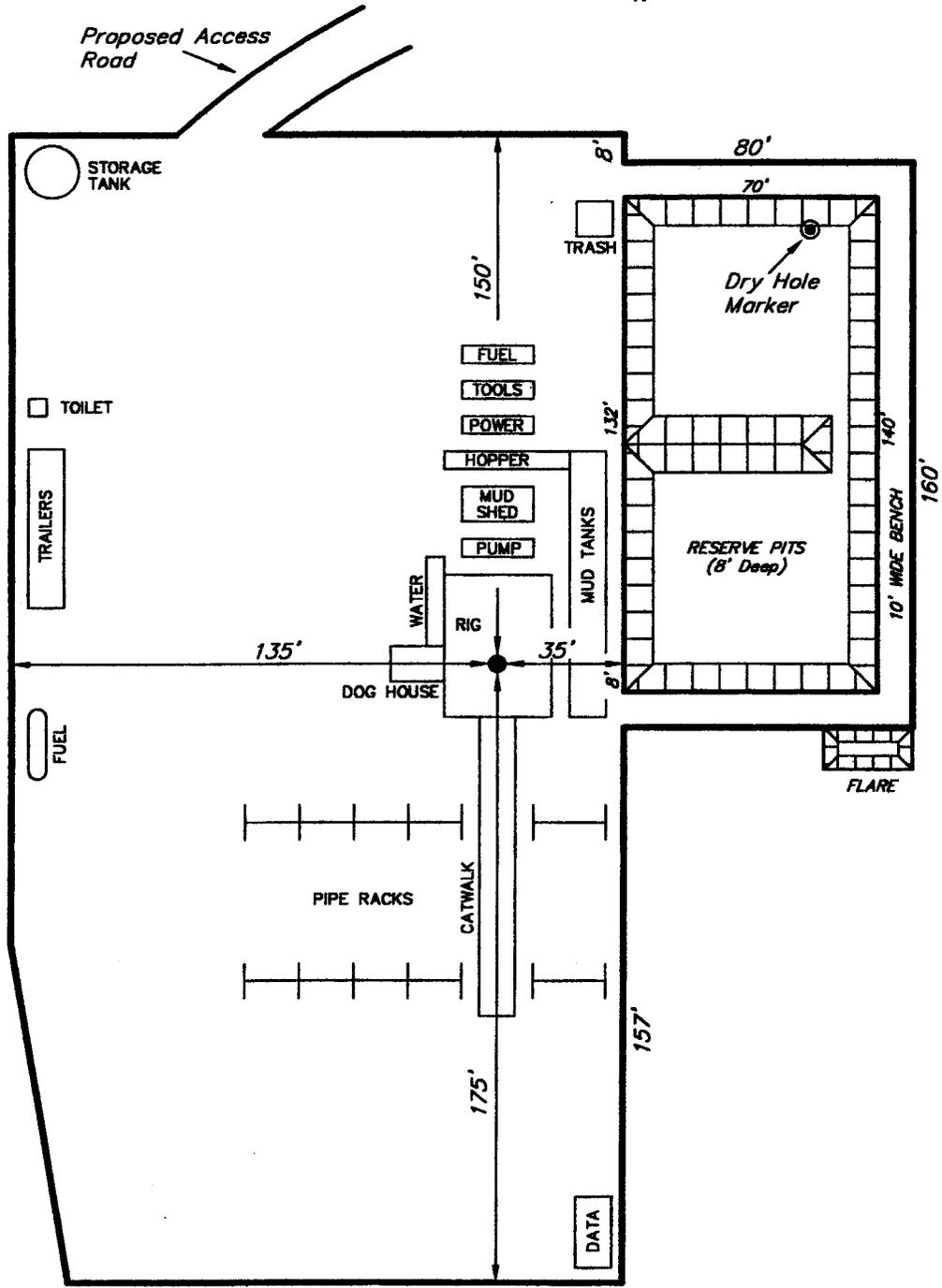
WELL HEAD:
UNGRADED = 5539.3'
FIN. GRADE = 5536.9'

REFERENCE POINTS
225' NORTH = 5534.0'
275' NORTH = 5532.8'

SURVEYED BY: C.D.S.	SCALE: 1" = 50'	<p style="text-align: right; font-size: small;">(435) 781-2501</p>
DRAWN BY: J.R.S.	DATE: 2-8-01	

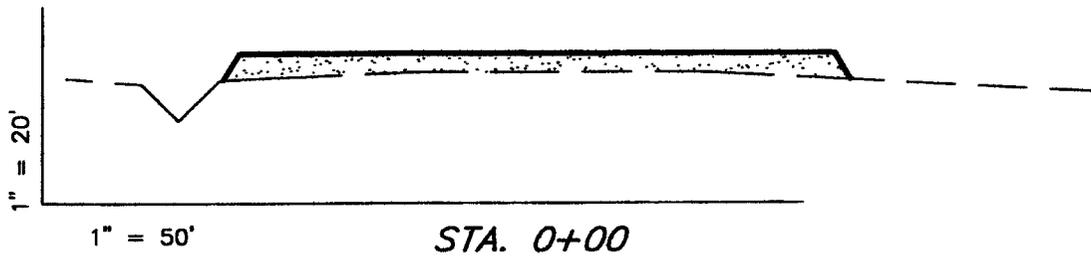
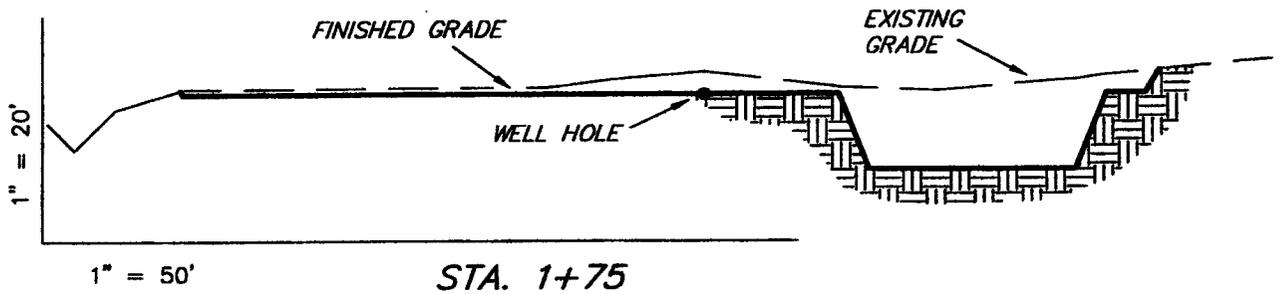
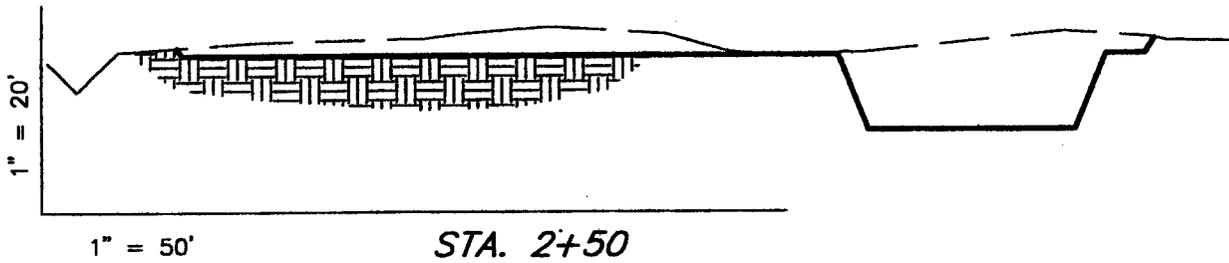
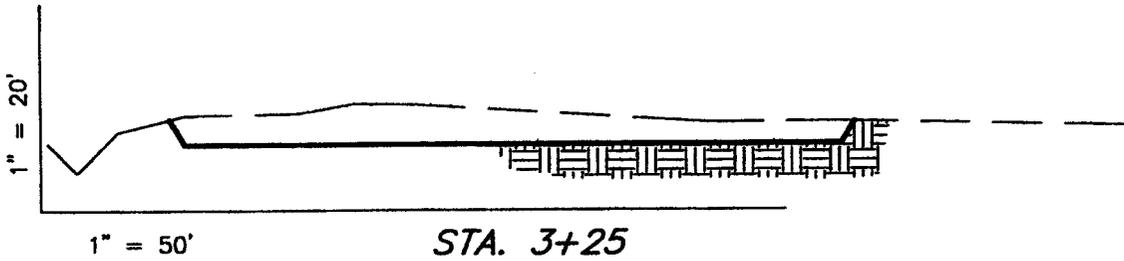
38 WEST 100 NORTH VERNAL, UTAH 84078

EQUITY OIL COMPANY
TYPICAL RIG LAYOUT
SNAKE JOHN FED. #1



SURVEYED BY: C.D.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: J.R.S.	DATE: 2-8-01	

EQUITY OIL COMPANY
CROSS SECTIONS
SNAKE JOHN FED. #1

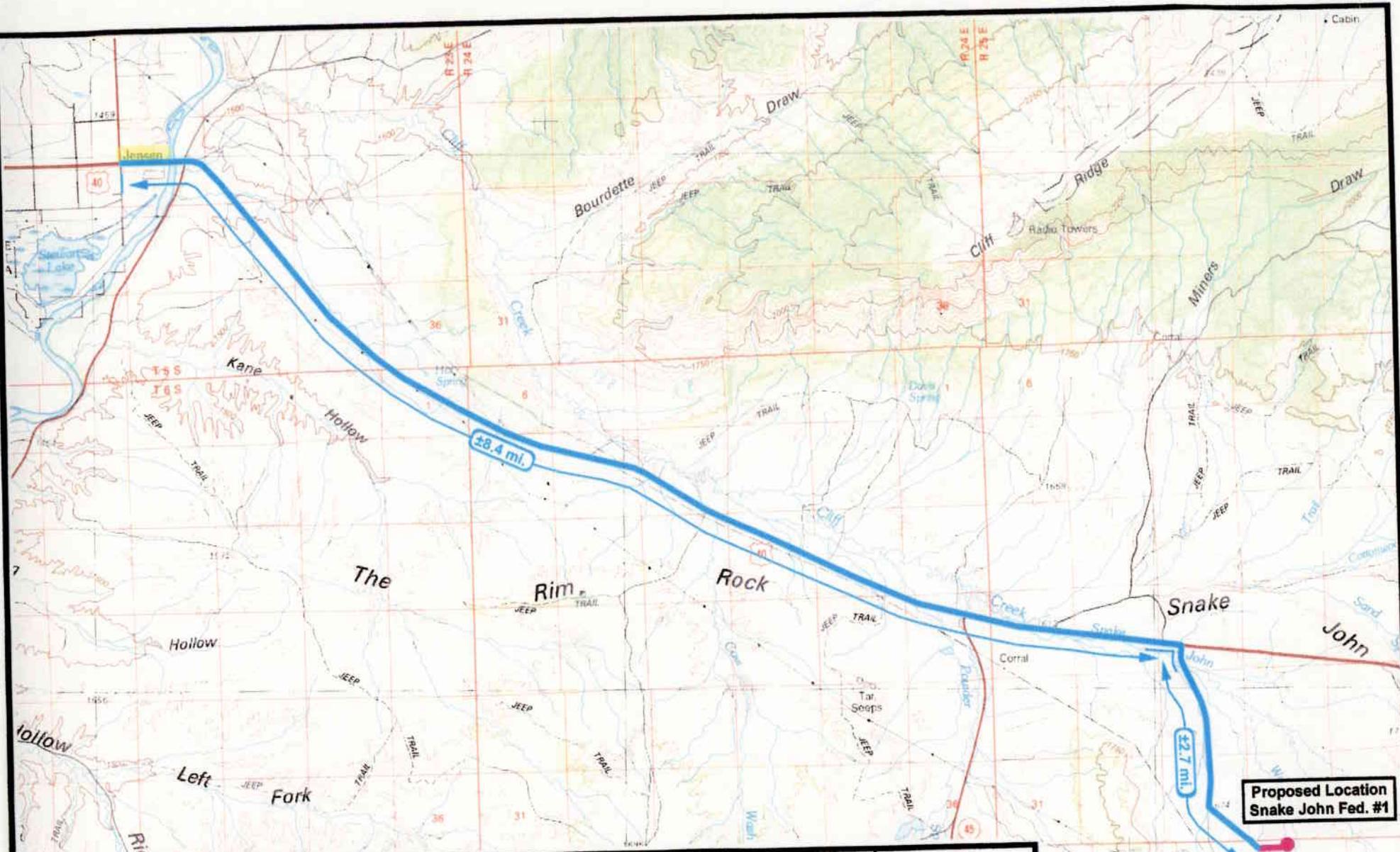


APPROXIMATE YARDAGES

CUT = 1,980 Cu. Yds.
 FILL = 1,980 Cu. Yds.
 PIT = 2,370 Cu. Yds.
 6" TOPSOIL = 1,260 Cu. Yds.

SURVEYED BY: C.D.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. <small>38 WEST 100 NORTH VERNAL, UTAH 84078</small>
DRAWN BY: J.R.S.	DATE: 2-8-01	

(435) 781-2501

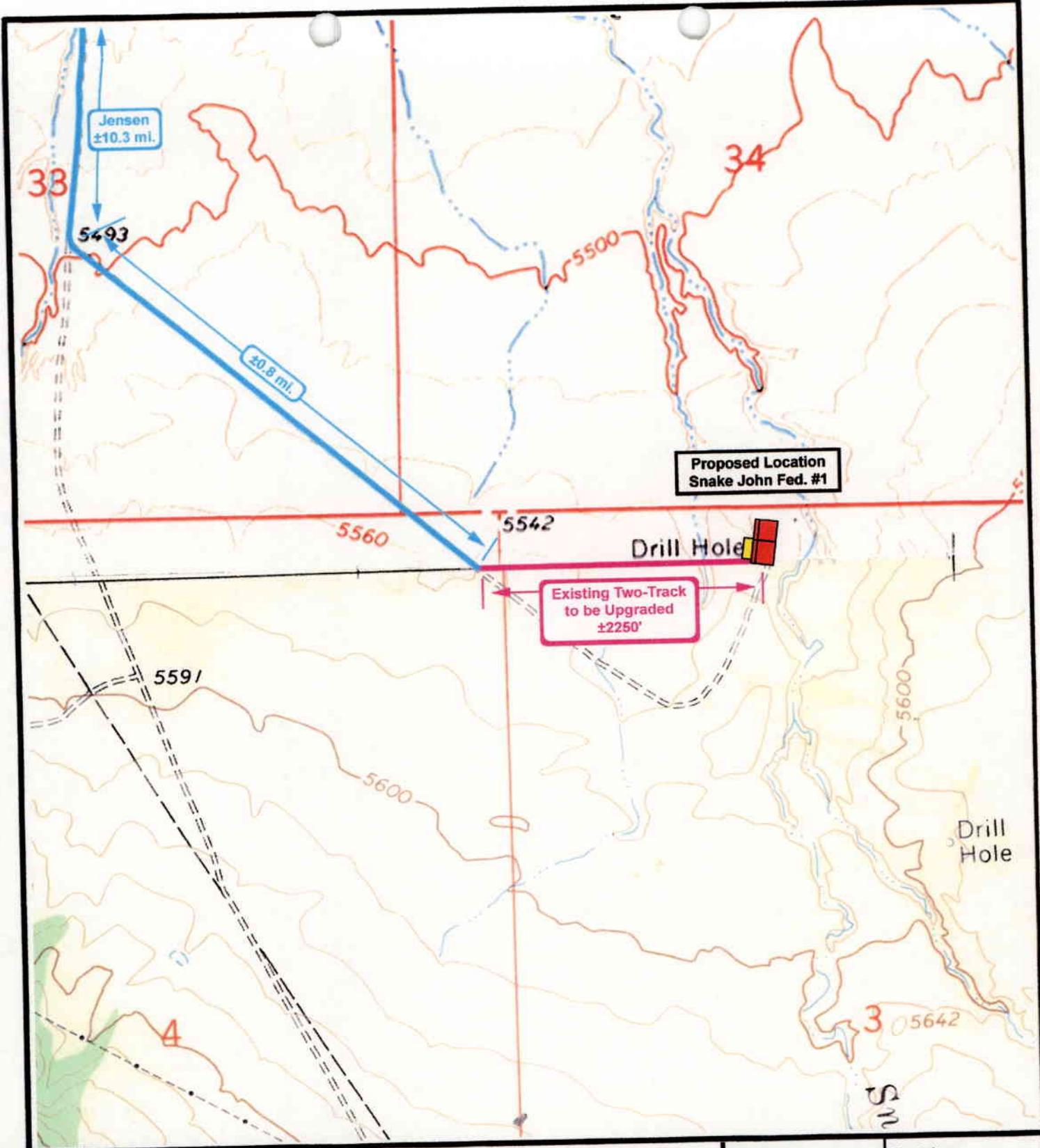


**Proposed Location
Snake John Fed. #1**

Equity Oil Company
SNAKE JOHN FED. #1
SEC. 3, T8S, R25E, S.L.B.&M.
TOPOGRAPHIC MAP "A"



Drawn By: bgm	Revision:
Scale: 1 : 100,000	File:
Date: 02-09-2001	
Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 435-781-2518	



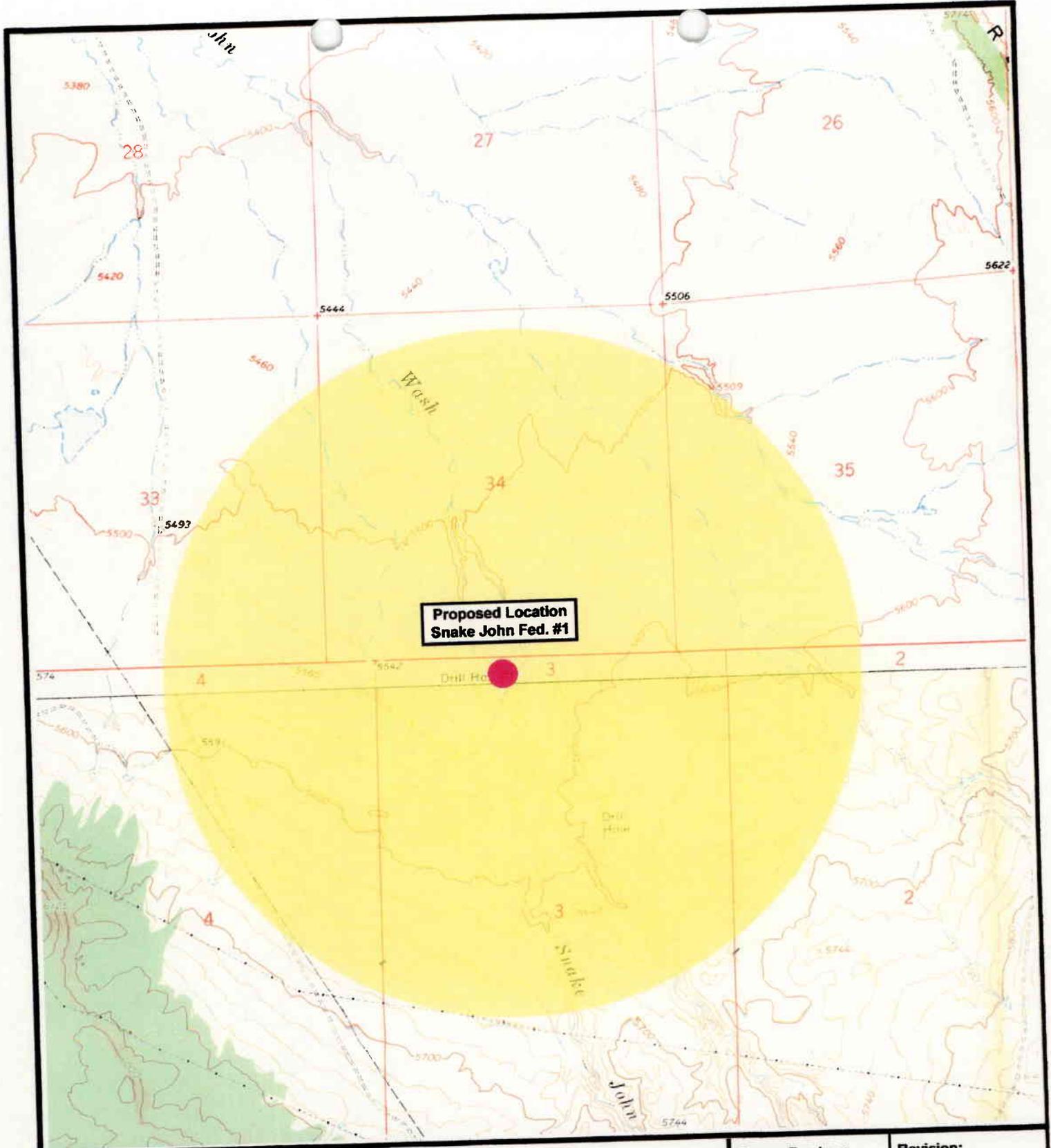
Equity Oil Company

**SNAKE JOHN FED. #1
SEC. 3, T7S, R25E, S.L.B.&M.**

TOPOGRAPHIC MAP "B"



Drawn By: bgm	Revision:
Scale: 1" : 1000'	File:
Date: 02-09-2001	
Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 435-781-2518	



**Proposed Location
Snake John Fed. #1**

Equity Oil Company
SNAKE JOHN FED. #1
SEC. 3, T7S, R25E, S.L.B.&M.
TOPOGRAPHIC MAP "C"



Drawn By: bgm	Revision:
Scale: 1" : 1000'	File:
Date: 02-09-2001	
Tri-State Land Surveying Inc. P.O. Box 533, Vernal, UT 84078 435-781-2501 Fax 435-781-2518	

Well No.: Snake John Federal #1

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equity Oil Company

Well Name & Number: Snake John Federal #1

API Number:

Lease Number: U-76970

Location: Lot 3, Sec. 3, T7S, R25E

SURFACE USE PROGRAM

Access Road:

A low-water crossing will be created for the small drainage crossed by the proposed access road. The low-water crossing will be used during drilling and completion operations. If the well is productive, an 18-inch culvert will be installed and the road and crossing will be maintained according to BLM specifications.

Methods for Handling Drilling Fluids:

The reserve pit will be lined with a 12 mil HDPE liner.

Threatened, Endangered, and Other Protected Species:

If new construction or surface disturbing activities are scheduled for this well between March 1 and May 30, a pre-construction raptor nest survey must be conducted to determine the presence or absence of nesting migratory raptor species. If nesting raptors are discovered within 0.5 mile of the well site, the construction timing constraints recommended by the United States Fish & Wildlife Service (USFWS) for that species will apply (see also the Bald and Golden Eagle Protection Act and Migratory Bird Treaty Act).

Plans for Reclamation of the Location and Access Road:

The seed mixture for re-establishing vegetation on areas of the location not needed for production operations (such as the backfilled and recontoured reserve pit and soil stockpiles), and for final reclamation of the entire location and access road upon abandonment shall be as follows:

four-wing saltbush	<i>Atriplex canescens</i>	4 lbs./acre
western wheatgrass	<i>Agropyron smithii</i>	4 lbs./acre
needle and thread	<i>Stipa comata</i>	4 lbs./acre

The method for reseeding will be to broadcast the seed on areas to be reclaimed and to work the broadcast seed into the soil with the tracks of heavy equipment.

**CULTURAL RESOURCE INVENTORY OF
EQUITY OIL COMPANY'S SNAKE JOHN FEDERAL NO. 1
WELL LOCATION IN UINTAH COUNTY, UTAH**

by

Keith R. Montgomery

Prepared For:

**Bureau of Land Management
Vernal Field Office**

Prepared Under Contract With:

**Equity Oil Company
Suite 2110 South Dominion Plaza
Denver, CO 80202**

Prepared By:

**Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532**

MOAC Report No. 01-05

March 9, 2001

**United States Department of Interior (FLPMA)
Permit No. 00-UT-60122**

**State of Utah Antiquities Project (Survey)
Permit No. U-01-MQ-0024b**

INTRODUCTION

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) for Equity Oil Company's proposed Snake John Federal No. 1 well location. The project area is located near the Utah and Colorado border in Uintah County, Utah. The inventory was initiated at the request of Mr. Jon Holst, permitting agent, Fort Collins, Colorado. The project area occurs on public land administered by the Bureau of Land Management, Vernal Field Office.

The objective of the inventory was to locate, document and evaluate any cultural resources within the project area. This project is carried out in compliance with a number of Federal and State legislation including the Antiquities Act of 1906, the National Historic Preservation Act (NHPA) of 1966, National Environmental and Historic Preservation Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, and the American Indian Religious Freedom Act of 1978.

The fieldwork was performed by Keith R. Montgomery, Principal Investigator, on March 5, 2001. The inventory was conducted under the auspices of U.S.D.I. (FLPMA) Permit No. 00-UT-60122 and State of Utah Antiquities Project (Survey) No. U-01-MQ-0024b. A file search was conducted by the author at the BLM Vernal Field Office on January 8, 2001 that indicated no archaeological projects or cultural resources in the inventory area.

DESCRIPTION OF PROJECT AREA

The project area lies in the eastern portion of the Uinta Basin, approximately 3 miles west of the town of Dinosaur, Colorado. It lies 2 miles south of US 40 near the Utah and Colorado state line. The legal description is the NE/NE of Section 3, Township 7 South, Range 25 East (Figure 1).

This portion of the Uintah Basin is characterized by elongate narrow ridges or reef and dissected low relief landforms. Geologically, the area is formed by the upper Cretaceous Mesa Verde Group formations that mark the last regression of the southeastern epicontinental sea (Billbey 1995). The deposits are massive to thin bedded sandstone, carbonaceous shale, and coal. Cretaceous rocks yield a notable record of both continental and marine vertebrates. Remains of lizards have been reported from Late Cretaceous rocks as well as turtles, crocodiles, and dinosaurs (Stokes 1986:135). The elevation averages 5560 feet a.s.l. The nearest water source is Cliff Creek and Snake John Wash dissects the survey parcel. The project area lies within the Upper Sonoran life zone, dominated by a sagebrush community intermixed with greasewood, snakeweed, prickly pear cactus, pincushion cactus, and grasses. Modern disturbances to the landscape include well locations, access roads, and livestock grazing.

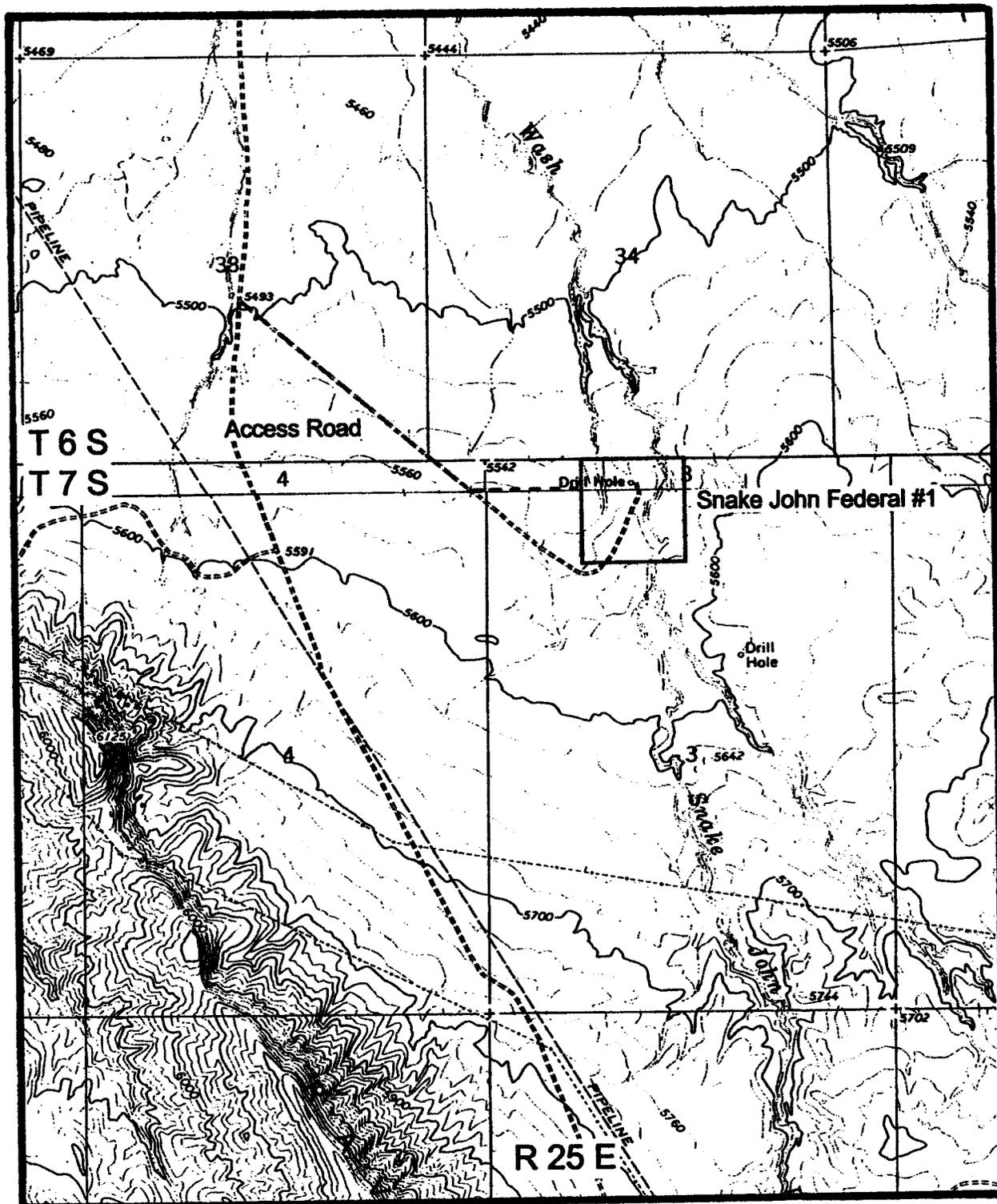


Figure 1. Inventory Area of Equity Oil Company's Snake John Federal No. 1 in Uintah County, Utah. USGS 7.5' Snake John Reef UT-CO 1968 and Dinosaur UT-CO 1968. Scale 1:24 000

SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. A 40 acre block was examined for cultural resources by the archaeologists walking parallel transects spaced no more than 10 m (30 ft) apart. Ground visibility was considered good. A total of 40 acres was inventoried on public land administered by the BLM, Vernal Field Office.

RESULTS AND RECOMMENDATIONS

The inventory of Equity Oil Company's proposed Snake John Federal No. 1 well location resulted in no cultural or paleontological resources. Based on the findings, a determination of "no historic properties affected" pursuant to Section 106, CFR 800 is recommended for this project.

REFERENCES CITED

- Bilbey, S.A.
1995 *Geologic History of the Uinta Basin and Uinta Mountains. In Paradigms and Perspectives: A Class I Overview of Cultural Resources in the Uinta Basin and Tavaputs Plateau*, edited by Jerry D. Spangler.
- Stokes, W.L.
1986 *Geology of Utah*. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/11/2001

API NO. ASSIGNED: 43-047-34024

WELL NAME: SNAKE JOHN FED 1
 OPERATOR: EQUITY OIL COMPANY (N0410)
 CONTACT: JON HOLST, AGENT

PHONE NUMBER: 970-481-1202

PROPOSED LOCATION:

NENW 03 070S 250E
 SURFACE: 0216 FNL 2104 FWL
 BOTTOM: 0216 FNL 2104 FWL
 UINTAH
 WILDCAT (1)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: U-76970
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: DKTA

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Fed Ind Sta Fee
 (No. CO1236)
 Potash (Y/N)
 Oil Shale (Y/N) *190-5 (B) or 190-3
 Water Permit
 (No. PROD WTR - Ashley Valley)
 RDCC Review (Y/N)
 (Date: _____)
 Fee Surf Agreement (Y/N)

LOCATION AND SITING:

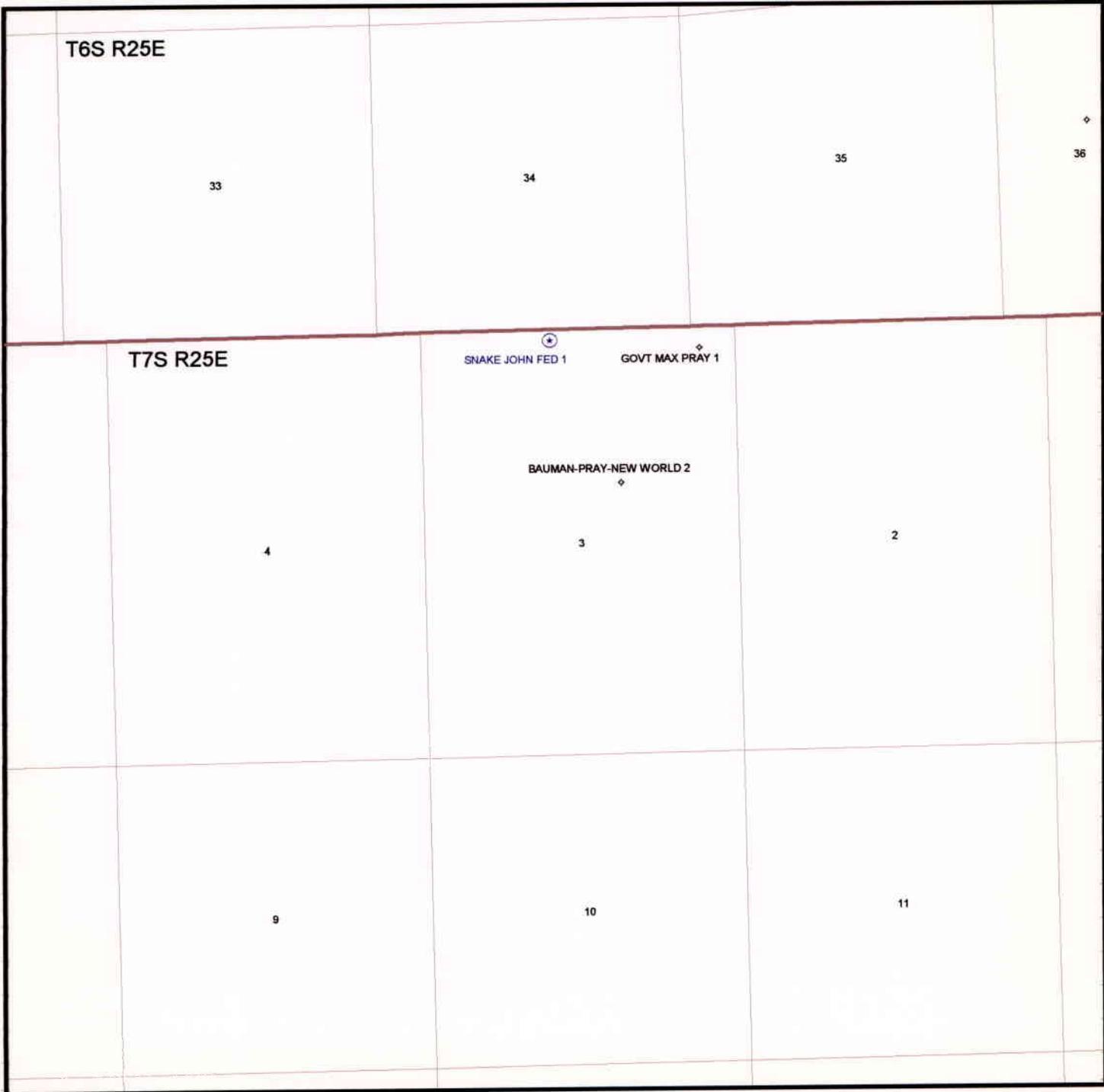
____ R649-2-3. Unit _____
 ____ R649-3-2. General
 Siting: 460 From Qtr/Qtr & 920' Between Wells
 ~~R649-3-3~~ **Exception**
 ____ Drilling Unit
 Board Cause No: _____
 Eff Date: _____
 Siting: _____
 ____ R649-3-11. Directional Drill

COMMENTS: Need add'l info. "Ex. Loc." (Rec'd 5-7-01, Amended 5-11-01)

STIPULATIONS: ① FEDERAL APPROVAL

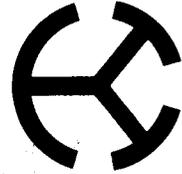


OPERATOR: EQUITY OIL COMPANY (N0410)
 SEC. 3, T7S, R25E
 FIELD: WILDCAT (001)
 COUNTY: UINTAH SPACING: R649-3-3/EX LOC



EQUITY OIL COMPANY

Exploration Office: SUITE 2110 SOUTH, DOMINION PLAZA / 600 17TH STREET / DENVER, COLORADO 80202
FAX 303-572-9510 / PHONE 303-572-9491



April 23, 2001

Utah Oil, Gas & Mining Division
Attn: Lisha Cordova
355 W. North Temple
Suite 350
Salt Lake City, UT 84180-1203

Re: #1 Snake John
Lot 3, T7S-R25E
Uintah County, UT
Raven Ridge Prospect

Dear Ms. Cordova:

In connection with our application for a drilling permit for the #1 Snake John, please be advised that we have moved the location from the standard location for a 40 acre tract because lot 3 contains only 19.79 acres. We are moving toward leasehold owned 100% by Equity and our partner Miller, Dyer & Co. Attached is a letter from Miller, Dyer & Co. giving their approval of the non-standard location.

We look forward to your approval of this location. Thank you.

Sincerely,

Alan D. Wild
Landman

RECEIVED

MAY 07 2001

DIVISION OF
OIL, GAS AND MINING

April 23, 2001

Utah Oil, Gas & Mining Division
Attn: Lisha Cordova
355 W. North Temple
Suite 350
Salt Lake City, UT 84180-1203

Re: #1 Snake John
Lot 3, T7S-R25E
Uintah County, UT
Raven Ridge Prospect

Dear Ms. Cordova:

Miller, Dyer & Co. approves the location for the #1 Snake John as set forth in the application for permit to drill submitted by Equity Oil Company.

Miller, Dyer & Co., LLC

By 
~~Kyle E. Miller~~
John E. Dyer
MEMBER

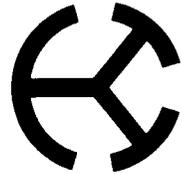
RECEIVED

MAY 07 2001

DIVISION OF
OIL, GAS AND MINING

EQUITY OIL COMPANY

Exploration Office: SUITE 2110 SOUTH, DOMINION PLAZA / 600 17TH STREET / DENVER, COLORADO 80202
FAX 303-572-9510 / PHONE 303-572-9491



May 8, 2001

Utah Oil & Gas Mining Division
Attn: Lisha Cordova
PO Box 145801
Salt Lake City, UT 84114

Re: #1 Snake John
Lot 3, T7S-R25E
Uintah County, UT
Raven Ridge Prospect

Dear Ms. Cordova:

In connection with our application for a drilling permit for the #1 Snake John well, please be advised that we have moved the location from the standard location for a 40 acre tract because lot 3 contains only 19.79 acres. Equity Oil Company and Miller, Dyer & Co., LLC are the only leasehold or mineral owners within 460 feet of the proposed location. You have in your hands a letter from Miller, Dyer & Co. approving the non-standard location.

Please contact us if anything further is needed.

Sincerely

A handwritten signature in black ink, appearing to read 'Alan D. Wild'.

Alan D. Wild
Landman

RECEIVED

MAY 11 2001

DIVISION OF
OIL, GAS AND MINING



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

May 15, 2001

Equity Oil Company
PO Box 310
Cody, WY 82414

Re: Snake John Federal #1 Well, 216' FNL, 2104' FWL, NE NW, Sec. 3, T. 7 South,
R. 25 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 43-047-34024.

Sincerely,

for John R. Baza
Associate Director

er

Enclosures

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

Operator: Equity Oil Company
Well Name & Number Snake John Federal #1
API Number: 43-047-34024
Lease: U-76970

Location: NE NW **Sec.** 3 **T.** 7 South **R.** 25 East

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

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

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL DEEPEN

1b. TYPE OF WELL

OIL WELL GAS WELL OTHER

SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Equity Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 310, Cody WY 82414

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At Surface **Lot 3 216' FNL and 2104 FWL**
At proposed Prod. Zone

5. LEASE DESIGNATION AND SERIAL NO.
U-76970

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

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME WELL NO.
Snake John Fed. #1

9. API WELL NO.

10. FIELD AND POOL OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
**Lot 3
Sec. 3, T7S, R25E**

12. County
Uintah

13. STATE
UT

**RECEIVED
APR 12 2001**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 12.1 miles East of Jensen

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
Approx. 216' f/lease line	60	60
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.	19. PROPOSED DEPTH	20. ROTARY OR CABLE TOOLS
No other wells on this lease	7625'	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5536.9' GR

22. APPROX. DATE WORK WILL START*
Second Qtr 2001

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	36#	1000'	210 sks lead followed by 100 sks tail (see below)
8 3/4"	5 1/2"	15.5# & 17#	TD	290 sks +/- 10%

SURFACE PIPE - Lead: 210 sks 35/65 Pozmix with 6% gel, 0.25 #/sk celloflake and 3% CaCl2
Weight: 12.9 ppg Yield: 1.8 cu ft./sk Water: 9.45 gal/sk

Tail: 100 sks Class G Cement with 0.25 #/sk celloflake and 2% CaCl2
Weight: 15.8 ppg Yield: 1.16 cu ft./sk Water: 4.95 gal/sk

LONG STRING - 290 sks 50/50 Pozmix with 2% gel & 0.2% dispersant
Weight: 14.2 ppg Yield: 1.29 cu ft./sk Water: 5.84 gal/sk

**RECEIVED
JUL 16 2001
DIVISION OF
OIL, GAS AND MINING**

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Jon Holst TITLE Permitting Agent DATE 4/6/01

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Howard B. Cleavage TITLE Assistant Field Manager Mineral Resources DATE 07/12/2001

*See Instructions On Reverse Side

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

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

DOG M

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equity Oil Company

Well Name & Number: Snake John #1

API Number: 43-047-34024

Lease Number: U - 76970

Location: Lot #3 Sec. 3 T.7S R. 25E

Agreement: UTU79450X

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

CONDITIONS OF APPROVAL

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

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

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

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

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

The variances requested in section 6 of the 8 point drilling plan are granted with the following conditions:

If a mist system is being utilized then the requirement for a deduster shall be waived.

Where the location and rig layout allows, the blooie line shall be straight and extend 100' from the wellbore. This requirement will be waived only in the case where the location is too small to accommodate it.

3. Casing Program and Auxiliary Equipment

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

All casing strings below the conductor shall be pressure tested to 0.22 psi/ft of casing string length or 1500 psi, whichever is greater but not to exceed 70% of the minimum internal yield.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

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

6. Notifications of Operations

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

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

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

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Written notification of such must be submitted to this office not later than five (5) days following the date on which the well is placed on production.

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

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

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current

status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

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

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

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

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

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

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

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

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

Ed Forsman (435) 828-7874
Petroleum Engineer

Kirk Fleetwood (435) 828-7875
Petroleum Engineer

Jerry Kenczka (435) 646-1676
Petroleum Engineer

BLM FAX Machine (435) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

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

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

Refinery wastes

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

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

INFO COPY

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. **U-76970**
6. If Indian, Allottee, or Tribe Name **N/A**
7. If Unit or CA. Agreement Designation **N/A**
8. Well Name and No. **Snake John Federal #1**
9. API Well No. **43-047-34024**
10. Field and Pool, or Exploratory Area **Wildcat**
11. County or Parish, State **Unitah, UT**

1. Type of Well
 Oil Well Gas Well Other **Drilling**
2. Name of Operator
Equity Oil Company
3a. Address **PO Box 310 Cody, WY 82414** 3b. Phone No. (include area code) **(307) 587-7812**
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
216' FNL 2104' FWL Lot 3 T07S R25E SEC 03

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

10/09/01 Drill to 6950'.
10/10/01 Drill to 7059'.
10/11/01 Drill to 7155'.
10/12/01 Drill to 7403'.
10/13/01 Drill to 7585'.
10/14/01 Drill to 7650' TD, trip out to LD BHA, work tight hole.
10/15/01 Trip in hole, wash and ream, work tight hole..

RECEIVED

OCT 22 2001

DIVISION OF
OIL, GAS AND MINING

cc: UT DOGM

14. I hereby certify \ Name (Printed/ Typed) **Brent P. Marchant** Title **Drilling & Production Manager**
Signature *Brent P. Marchant* Date **10/15/2001**

Approved by _____ Title _____ Date _____

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office _____

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

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

FORM APPROVED
OMB No. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side

5. Lease Serial No.	U-76970
6. If Indian, Allottee, or Tribe Name	N/A
7. If Unit or CA. Agreement Designation	N/A
8. Well Name and No.	Snake John Federal #1
9. API Well No.	43-047-34024
10. Field and Pool, or Exploratory Area	Wildcat
11. County or Parish, State	Uintah, UT

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other Drilling
2. Name of Operator Equity Oil Company
3a. Address PO Box 310 Cody, WY 82414
3b. Phone No. (include area code) (307) 587-7812
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 216' FNL 2104' FWL Lot 3

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10/16/01 Wash and ream, work tight hole. Hole conditions did not allow running of open hole logs.
Set Plug #1, 130 sks 'G' from 7320'. WOC 4 hrs and tag plug @ 7094'.
Set Plug #2, 115 sks 'G' from 2550' up to about 2300'.
10/17/01 Set Plug #3, 75 sks 'G' with 2% CaCl2 from 1100' up to about 900' (half in and half out of 9 5/8" @ 1002').
Set Plug #4, 40 sks 'G' with 2% CaCl2 from about 70' to surface.
Cut off wellhead 3' BGL and installed DIHM cap. **Well Drilled and Abandoned 10/17/01**
Plugging procedure verbally approved by Mr. Ed Forsman and witnessed by Mr. Ron Bywater.

The cellar ring was pulled, cellar filled and fourth side of the reserve pit fenced on 10/19/01.
The reserve pit fluids will be allowed to dry before the pit is filled and the location is restored.
Attachment - Contractor Cement Job Summary

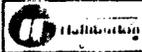
cc: UT DOGM

RECEIVED
NOV 9 2001
DIVISION OF
OIL, GAS AND MINING

14. I hereby certify Name (Printed/ Typed) Brent P. Marchant	Title Drilling & Production Manager
Signature <i>Brent P. Marchant</i>	Date 10/22/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	



JOB SUMMARY

EAP/TICKET # 1579' TICKET DATE 10/16/01

REGION NORTH AMERICA LAND	WEST/COUNTRY Western	BDA / STATE UTAH	COUNTY UINTAH
MBU ID / EMPL # 121420	HES EMPLOYEE NAME K. ESTEP	PSL DEPARTMENT ZONAL ISOLATION	
LOCATION Vernal	COMPANY EQUITY OIL	CUSTOMER REP / PHONE RAY MORRIS	
TICKET AMOUNT	WELL TYPE 02 GAS	APIA# 76970	
WELL LOCATION SNAKE JOHN DRAW	DEPARTMENT 10003	SAP BOMB NUMBER 10	Description PTA
LEASE NAME SNAKE JOHN DRAW	Well No 1	SEC / TWP / RNG 3 7SO. 25E.	

HES EMP NAME / EMP # / EXPOSURE HOURS	HRS	HRS	HRS	HRS
C. PARRACK-121667	26.0			
K. ESTEP-II-214387	26.0			
A. MARCHANT-241363	26.0			

HES UNIT #S / (R/T MILES)	R/T MILES	R/T MILES	R/T MILES	R/T MILES
10264855-10296136	50			
52345-10281038	50			
422598 PU	50			

Form Name _____ Type: _____
 Form Thickness _____ From _____ To _____
 Packer Type _____ Set At _____
 Bottom Hole Temp. _____ Pressure _____
 Retainer Depth _____ Total Depth _____

Date	Called Out	On Location	Job Started	Job Completed
	10/16/01	10/16/01	10/16/01	10/17/01
Time	0800	1000	1330	0938

Type and Size	Qty	Make
Float Collar		
Float Shoe		
Centralizers		
Top Plug		
Packer		
D/V Tool		
Guide Shoe		
Other		
Other		

	New/Used	Weight	Size	Grade	From	To	Max. Allow
Casing	U		95/8		SURFACE	1,000	
Liner							
Liner							
Tubing							
Drill Pipe	U	16.6	4.5		0	7,320	
Open Hole							Shots/Ft.
Perforations							
Perforations							
Perforations							

Materials			
Mud Type	Density	Lb/Gal	
Disp. Fluid	MUD	Density 9.8	Lb/Gal
Prop. Type	Size	Lb	
Prop. Type	Size	Lb	
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
NE Agent	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal/Lb	In	
Fric. Red.	Gal/Lb	In	
Breaker	Gal/Lb	In	
Blocking Agent	Gal/Lb		
Perfpac Balls	Qty.		
Other			

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
10/16	14.0	10/16	1.0	SEE JOB LOG
10/17	11.0	10/17	2.0	
Total	25.0	Total	3.0	

Ordered	1 ADC UNIT	Hydraulic Horsepower	Avail.	Used
Treating		Average Rates in BPM	Disp.	Overall
Feet		Cement Left in Pipe		Reason

Cement Data							
Stage	Sacks	Cement	Bull./Sks	Additives	W/Rq	Yield	Lbs/Gal
1	130	PREM AG-300	B	2% CACL2	5.00	1.15	15.8
2	115	PREM AG-300	B	NEET	5.00	1.15	15.8
3	75	PREM AG-300	B	2% CACL2	5.00	1.15	15.8
4	40	PREM AG-300	B	NEET	5.00	1.15	15.8

Summary					
Circulating	Displacement	250	Preflush:	Gal - BBI	Type: WATER
Breakdown	Maximum		Load & Bkdn:	Gal - BBI	Pad: Bbl - Gal
Lost Returns-y NO	Lost Returns-N NO		Excess /Return:	Gal BBI	Calc. Disp Bbl
Cmt Rtn#Bbl	Actual TOC		Calc. TOC:		Actual Disp.
Average	Frac. Gradient		Treatment:	Gal - BBI	Disp: Bbl - Gal
Shut In: Instant	5 Min.	15 Min	Cement Slurry	Gal - BBI	
			Total Volume	Gal - BBI	see job log

Frac Ring #1 | Frac Ring #2 | Frac Ring #3 | Frac Ring #4

THE INFORMATION STATED HEREIN IS CORRECT
 CUSTOMER REPRESENTATIVE

Ray Morris
 SIGNATURE



Job Log

TICKET #	1579511	TICKET DATE	10/16/01
REG/CI	NORTH AMERICA LAND	NWA / COUNTRY	Western
BDA / STATE	UTAH	COUNTY	UINTAH
MBU ID / EMPL #	121420	H.E.S. EMPLOYEE NAME	K. ESTEP
LOCATION	Vernal	PSL DEPARTMENT	ZONAL ISOLATION
TICKET AMOUNT		COMPANY	EQUITY OIL
WELL LOCATION	SNAKE JOHN DRAW	CUSTOMER REP / PHONE	RAY MORRIS
LEASE / WELL #	SNAKE JOHN DRAW	WELL TYPE	02 GAS
Well No.	1	APU/LWI #	76970
SEC / TWP / RNG	3 7SO. 25E.	DEPARTMENT	10003
		JOB PURPOSE CODE	PTA

Chart No.	Time	Rate (GPM)	Volume (GAL)	Pressure (PSI)	Temperature (°F)	Notes
						CALL OUT FOR HES CREW
						Safety meeting, Leave yard
	1000					Arrive Location, Safety Meeting, Rig up Iron
						WAIT ON AMBULANCE TO REMOVE INJURED
						RIG HAND FROM RIG FLOOR
	1200					RIG UP
						PLUG # 1 @ 7320 FT. 130 SX. W/ 2% CACL2
	1331	0	0		0	ST.FRESH WATER
	1332	4	3		80	END FRESH WATER
	1332	5	0		50	ST. CMT. @ 15.8#/GAL.
	1343	5	26.8		40	END CMT.
	1343	5	0		40	ST. FRESH
	1343	5	1		40	END FRESH WATER
	1343	5	0		40	ST.MUD
	1406	2	99		25	END MUD -KNOCK OFF IRON
						PULL 9 STDS. DRILL PIPE
						WAIT 3 HRS.
	1730					RUN BACK IN WITH DRILL PIPE
						TAG CMT. @ 7095 FT.
						WAIT ON RIG CREW TO PULL DRILL PIPE TO 2550 FT.
						PLUG # 2 - 115 SKS NEET CMT.
	2311	3	0		0	ST. FRESH WATER
	2313	3	3		0	END FRESH
	2313	4	0		50	ST.CMT. @ 15.8#/GAL
	2320	4	23.5		40	END CMT.
	2320	4	0		40	ST. FRESH WATER
	2321	4	1		40	END FRESH
	2321	4	0		40	ST. MUD
	2328	5	31		15	END MUD
						KNOCK OFF IRON
						PULL 32 STDS. DRILL PIPE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

LEASE DESIGNATION AND SERIAL NO.

U-76970

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
Snake John Federal #1

9. API WELL NO.

43-047-34024

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 3, T7S, R25E

12. COUNTY OR PARISH

Utah

13. STATE

UT

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

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. REVR. Other P&A

2. NAME OF OPERATOR

Equity Oil Company

3. ADDRESS AND TELEPHONE NO.

PO Box 310 Cody, WY 82414 (307) 587-7812

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 216' FNL, 2104' FWL Lot 3

At top prod. interval reported below

At total depth

14. PERMIT NO. 047-34024 DATE ISSUED 05/15/01

15. DATE SPUDDED 09/23/01 16. DATE T.D. REACHED 10/14/01 17. DATE COMPL. (Ready to prod.) P&A 10/17/01 18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 5539' GR 19. ELEV. CASINGHEAD NA

20. TOTAL DEPTH, MD & TVD 7650' 21. PLUG, BACK T.D., MD & TVD 0 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY ROTARY TOOLS 0-7650' CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NA 25. WAS DIRECTIONAL SURVEY MADE NO

26. TYPE ELECTRIC AND OTHER LOGS RUN No electric logs - Mud log only - 10-33-01 27. WAS WELL CORDED NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36	1002'	12 1/4"	Surface w/415 sks	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
NA					NA		

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
NA	

33. PRODUCTION

DATE FIRST PRODUCTION NA PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in) P&A

DATE OF TEST HOURS TESTED CHOKER SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

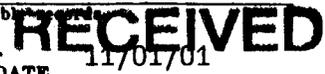
FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) NA TEST WITNESSED BY

35. LIST OF ATTACHMENTS None

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

SIGNED Brent P. Marchant TITLE Drilling & Production Manager DATE 11/01/01



*(See Instructions and Spaces for Additional Data on Reverse Side)

NOV 05 2001

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Mesaverde	Surface	
				Mancos	2870'	
				Frontier	7260'	
				Mowry	7336'	
				Dakota	7546'	
				Morrison	7600'	