

December 7, 1994

Utah Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Attn: Frank Matthews

Re: **Trinity Petroleum Corp.**  
**Davis Canyon #42-12-13-25**  
**SE NE Sec. 12, T13S - R25E**  
**Uintah County, Utah**

Dear Frank,

Enclosed please find three copies of the Application for Permit to Drill on the above mentioned well along with one copy of the drilling program and surface use plan which has been filed with the BLM in Vernal, Utah.

Please forward the approved copies to me at the address shown below and I will forward them to Trinity. Thanks for your assistance in this matter. If you have any questions, please call.

Sincerely,

PERMITCO INC.

A handwritten signature in cursive script that reads "Lisa L. Smith".

Lisa L. Smith  
Consultant for:  
Trinity Petroleum Exploration, Inc.

Enc.

cc: Trinity Petroleum Exploration, Inc. - Denver, CO

Permitco Incorporated  
A Petroleum Permitting Company

13585 Jackson Drive Denver, Colorado 80241 (303) 452-8888

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

RECEIVED  
DEC 9 1994  
DIV OF OIL, GAS & MINING  
PLUG BACK

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK **DRILL**  **DEEPEN**   
 1b. TYPE OF WELL  
 OIL  GAS  SINGLE ZONE  MULTIPLE ZONE   
 WELL  WELL  OTHER

5. LEASE DESIGNATION AND SERIAL NO. **UTU-70247**

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

7. UNIT AGREEMENT NAME **N/A**

8. FARM OR LEASE NAME **Davis Canyon**

2. NAME OF OPERATOR **303/294-9942 1801 Broadway, Suite 600  
Trinity Petroleum Exploration, Inc. Denver, CO 80202**

9. WELL NO. **#42-12-13-25**

3. ADDRESS OF OPERATOR **303/452-8888 13585 Jackson Drive  
PERMITCO INC. - Agent Denver, CO 80241**

10. FIELD AND POOL OR WILDCAT **Wildcat**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. \*)  
 At Surface **1987' FNL and 655' FEL**  
 At proposed Prod. Zone **SE NE Sec. 12, T13S - R25E**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**Sec. 12, T13S - R25E**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
**27 miles south of Bonanza, UT**

12. COUNTY OR PARISH **Uintah** 13. STATE **Utah**

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
**655'**

16. NO. OF ACRES IN LEASE  
**1989.6**

17. NO. OF ACRES ASSIGNED TO THIS WELL  
**160**

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT.  
**None**

19. PROPOSED DEPTH  
**4500'**

20. ROTARY OR CABLE TOOLS  
**Rotary**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**6326' GR**

22. APPROX. DATE WORK WILL START\*  
**Upon approval of this application.**

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	500'	270 sx - Circ. to Surf.
7-7/8"	4-1/2"	11.6#	4,500'	444 sx or suffic. to cover zones of interest.

Trinity Petroleum Exploration, Inc. proposes to a well to a depth of 4500' to test the Mancos B formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

Trinity Petroleum Exploration, Inc. has been designated by proper lease interest owners to conduct operations on the above mentioned lease. Bonding will be provided by Trinity Petroleum Exploration, Inc. under their Nationwide BLM Bond #CO-1145.

Trinity Petroleum Exploration, Inc. is considered to be the operator of the above mentioned well and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.

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 *David L. Smith*

Consultant for:  
TITLE **Trinity Petroleum Exploration, Inc.** 12/07/94

(This space for Federal or State office use)

PERMIT NO. 43-047-32618

APPROVAL DATE APPROVED BY THE STATE OF UTAH

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**OF UTAH DIVISION OF OIL, GAS, AND MINING**  
DATE: 11/4/95  
BY: JM Mathews  
WELL SPACING 2649-3-2

cc: Utah Div. of Oil, Gas & Mining

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.

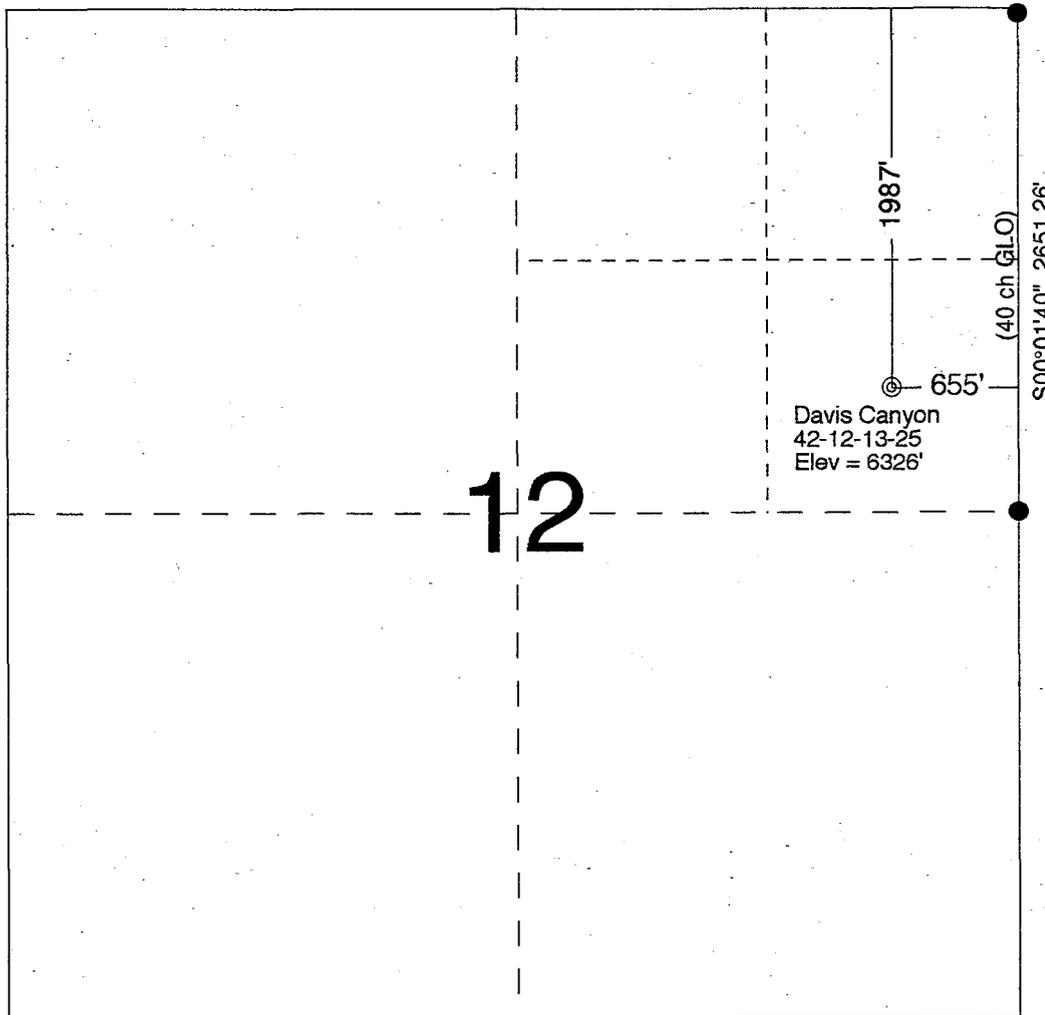
# WELL LOCATION PLAT

OPERATOR: Trinity Petroleum Exploration, Inc.

UINTAH COUNTY, UTAH

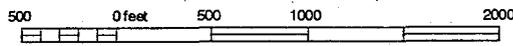
WELL ID: Davis Canyon 42-12-13-25

SEC. SENE-12, T13S, R25E



## REFERENCE DOCUMENTS

1. USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE  
DAVIS CANYON, UTAH-COLORADO, 1987
2. GLO TOWNSHIP PLAT T.13S., R.25E.,  
SALT LAKE BASE & MERIDIAN, DATED JUNE 28, 1923



APPROX. SCALE 1 inch = 1000 feet (1:12,000)

- FOUND SURVEY MONUMENT
- ◎ WELL LOCATION AS STAKED

## SURVEYOR'S CERTIFICATE

I certify that the survey represented by this plat was done by me, or under my direct supervision, and that the survey and the plat are correct to the best of my knowledge.

*Marvitt P. Demant* 11/21/94  
DATE

NOTICE: According to Colorado law, you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event, may any action based on any defect in this survey be commenced more than ten years from the date of certification shown hereon.

PREPARED FOR:

Trinity Petroleum Exploration, Inc.



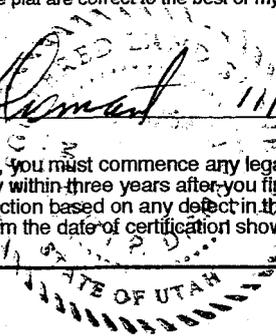
CIVIL ENGINEERING  
SURVEYING PHOTOGRAMMETRY  
751 Horizon Court  
Grand Junction, Colorado 81506  
Phone 303-245-7101

SURVEY DATE: Nov 11, 1994

DRAWN: MS

SHEET 1 OF 5

Job No. 3223



**ONSHORE OIL & GAS ORDER NO. 1**

**Approval of Operations on Onshore  
Federal and Indian Oil & Gas Leases**

**DAVIS CANYON #42-12-13-25  
1987' FNL and 655' FEL  
SE NE Sec. 12, T13N - R25E  
Uintah County, Utah**

**Prepared For:**

**TRINITY PETROLEUM EXPLORATION, INC.**

**By:**

**PERMITCO INC.  
13585 Jackson Drive  
Denver, Colorado 80241  
303/452-8888**

**Copies Sent To:**

- 3 - BLM - Vernal, Utah**
- 1 - Utah Division of Oil, Gas & Mining - SLC, UT**
- 3 - Trinity Petroleum Exploration, Inc. - Denver, CO**



**Permitco Incorporated**  
A Petroleum Permitting Company

**TRINITY PETROLEUM EXPLORATION, INC.**

1801 Broadway, Suite 600

Denver, Colorado 80202

(303) 294-9942

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078

ATTN: Minerals

RE:

Gentlemen:

This letter is to inform you that Permitco Inc. is authorized to act as Agent and to sign documents on behalf of Trinity Petroleum Exploration, Inc. when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned well.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production or compliance with regulations.

Trinity Petroleum Exploration, Inc. agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above-mentioned well.

Sincerely,

**TRINITY PETROLEUM EXPLORATION, INC.**



Reginald S. Y. Lee  
President

RSYL:lg

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**ONSHORE OIL & GAS ORDER NO. 1**  
**Approval of Operations on Onshore**  
**Federal and Indian Oil and Gas Leases**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Green River	Surface	
Wasatch	322'	+6882'
Mesa Verde	478'	+6082'
Castlegate	2478'	+4082'
Mancos	2543'	+4017'
Mancos B	3178'	+3382'
T.D.	4500'	

2. **Estimated Depths of Anticipated Water, Oil, Gas or Minerals Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Gas	Mancos B	3178'
Water	N/A	
Other Mineral Zones	N/A	

All fresh water prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.



3. Pressure Control Equipment: (Schematic Attached)

Trinity Petroleum Exploration, Inc.'s minimum specifications for pressure control equipment are as follows:

**Ram Type: 10" Hydraulic double with annular, 3000 psi w.p.**

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.



A BOPE pit level drill shall be conducted weekly for each drilling crew.

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have the BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 3000 psi working pressure blowout preventor.
- b. A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.



**4. Proposed Casing and Cementing Program:**

- a. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.
- b. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- c. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data)
- d. Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- e. All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.
- f. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- g. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- h. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.



- i. Centralizers will be run on the bottom three joints of surface casing with a minimum of 1 centralizer per joint starting with the shoe joint.
- j. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- k. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- l. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.

m. The proposed casing program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Weight</u>	<u>Grade</u>	<u>New</u>
						<u>or</u>
						<u>Used</u>
Surface	0-500'	12-1/4"	8-5/8"	24#	K-55	ST&C New
Produc.	0-4500'	7-7/8"	4-1/2"	11.6#	N-80	LT&C New*

n. Casing design subject to revision based on geologic conditions encountered.



- o. The cement program will be as follows:

Surface  
0-500'

Type and Amount

± 120 sx Lite (Yield - 1.97) with 2% CaCl, 1.4#/sk Celloflake, 6% gel followed by 150 sx Premium (Yield - 1.17) with 2% CaCl, 1/4#/sk celloflake or sufficient to circulate to surface.

Production

Type and Amount

Lead with 244 sacks Lite (Yield - 3.85) with 12% gel, 10% salt, 1/4#/sk celloflake followed by 200 sacks Premium (Yield - 1.20) with 50:50 poz, 2% gel, 5% salt, 1/4#/sk celloflake.

- \* Note: Actual volumes to be calculated from caliper log.
- p. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.
- q. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- r. The following reports shall be filed with the District Manager within 30 days after the work is completed.
1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:



- a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
  - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.
- s. Auxiliary equipment to be used is as follows:
- 1. Kelly cock
  - 2. No bit float is deemed necessary.
  - 3. A sub with a full opening valve.

5. Mud Program:

- a. The proposed circulating mediums to be employed in drilling are as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>	<u>PH</u>
0-500'	Native	8.4-8.8	N/A	NC	9.0
500-4500'	Air &/or Air				
	Mist	N/A	N/A	N/C	NA
At T.D.	LSND	8.4-8.8	36-38	10-15cc	9.0

Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control during the course of drilling operations.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.



- b. Mud monitoring equipment to be used is as follows:
  - 1. Periodic checks will be made each tour of the mud system. The mud level will be checked visually.
- c. No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.
- d. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.
- e. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

6. Evaluation Program:

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated, however, if they are run the following will be adhered to:

Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DSTs may be accomplished day or night.



A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- b. The logging program will consist of a DIL-GR from T.D. to base of surface casing with a GR to surface. A CNL-FDC-GR and FMI will be run from T.D. to 1000' (minimum run). A DSI-GR will be run from T.D. to base of surface casing.
- c. Cores may be run in the Mancos B formation from 3180-3530'.
- d. 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 authorized officer (AO).
- e. The anticipated completion program is as follows:  
Perforate zones of interest and fracture as necessary after evaluation of logs.
- f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.



7. Abnormal Temperatures or Pressures

- a. No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered in or known to exist from previous wells drilled to similar depths in the general area.
- b. The maximum anticipated bottom hole pressure will be approximately 900 psi at T.D.

8. Anticipated Starting Dates and Notification of Operations:

- a. Drilling will commence upon approval of this application.
- b. It is anticipated that the drilling of this well will take approximately 10 days.
- c. The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m, Monday through Friday except holidays), at least 24 hours prior to spudding the well.
- d. Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.
- e. 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.



- f. 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.
- g. 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.
- h. The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.
- i. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.
- j. 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.
- k. 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.



- l. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.**
- m. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.**
- n. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.**
- o. A schematic facilities diagram as required by 43 CFR 3162.7-5, (b.9.d.) and shall be submitted to the appropriate District Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil and 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 (b.4).**
- p. A first production conference will be scheduled within 15 days after receipt of the first production notice.**
- q. 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 SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 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.**



**ONSHORE ORDER NO. 1**  
**TRINITY PETROLEUM EXPLORATION, INC.**  
**Davis Canyon #42-12-13-25**  
**1987' FNL and 655' FEL**  
**SE NE Sec. 12, T13S - R25E**  
**Uintah County, Utah**

**Lease No. UTU-70247**

**DRILLING PROGRAM**

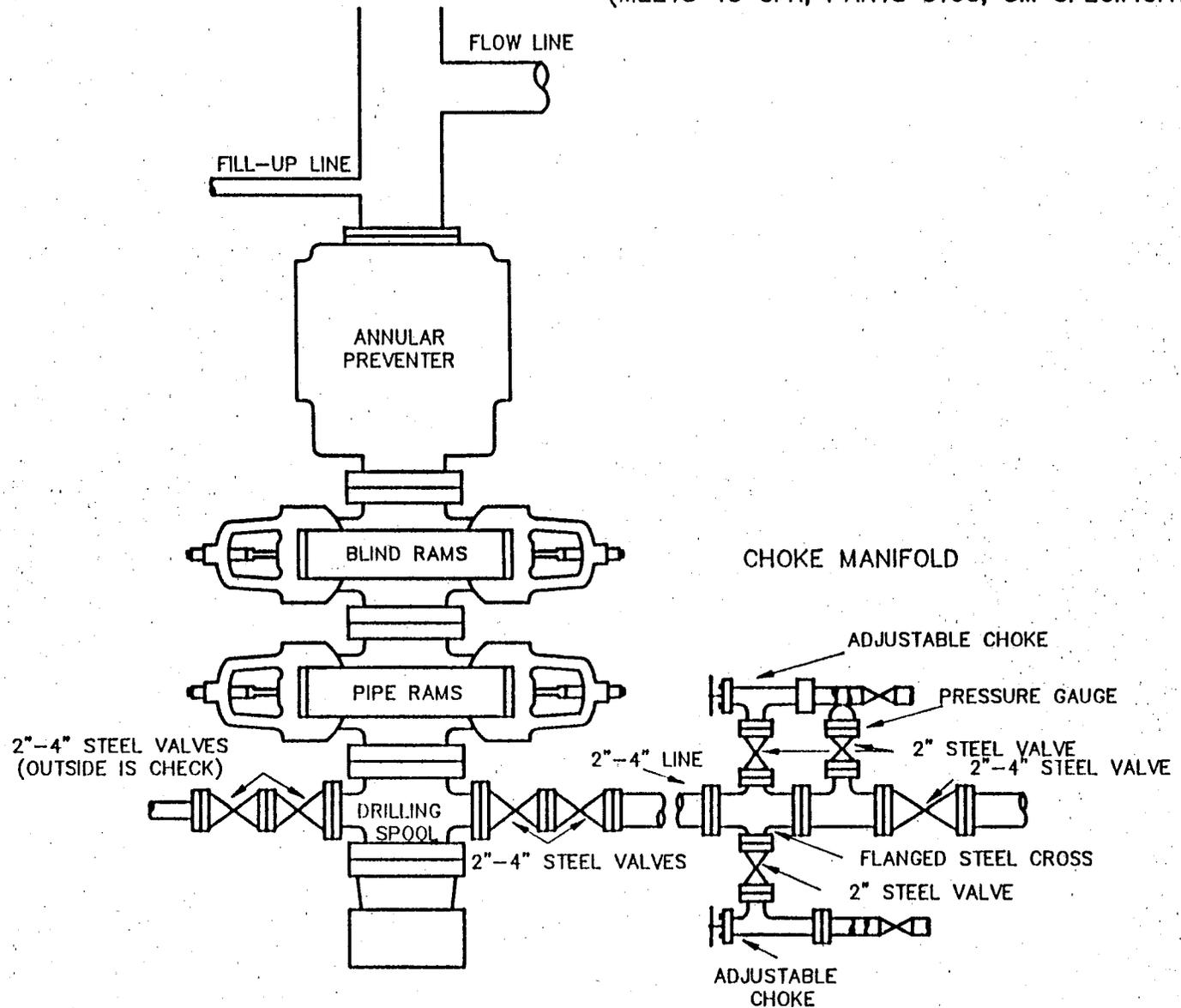
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- r. Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.



**Permitco Incorporated**  
A Petroleum Permitting Company

THREE PREVENTER HOOKUP  
CLASS III  
(MEETS 43 CFR, PARTS 3160, 3M SPECIFICATIONS)



**ONSHORE ORDER NO. 1**  
**Trinity Petroleum Exploration, Inc.**  
**Davis Canyon #42-12-13-25**  
**1987' FNL and 655' FEL**  
**SE NE Sec. 12, T13S - R25E**  
**Uintah County, Utah**

**Lease No. UTU-70247**

**SURFACE USE PLAN**

**Page 1**

**ONSHORE OIL & GAS ORDER NO. 1**

**NOTIFICATION REQUIREMENTS**

- Location Construction -** forty-eight (48) hours prior to construction of location and access roads.
- Location Completion -** prior to moving on the drilling rig.
- Spud Notice -** at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing -** twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests -** twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice -** within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

The onsite inspection for the subject well was conducted on Wednesday, November 10, 1994 at approximately 10:45 a.m. Weather conditions were cool and sunny. In attendance at the onsite inspection were the following individuals:

**Lisa Smith**  
**Byron Tolman**  
**Harry Barber**  
**Russ Ivie**  
**Randy Jackson**  
**Bill Buniger**  
**Maurice Schumann**  
**Terry Nichols**

**Permitco Inc.**  
**Bureau of Land Management**  
**Bureau of Land Management**  
**Well Site Management**  
**Jackson Construction**  
**Buniger Construction**  
**Terry Nichols & Associates**  
**Terry Nichols & Associates**



**Permitco Incorporated**  
A Petroleum Permitting Company

**1. Existing Roads**

- a. **The proposed well site is located approximately 27 miles south of Bonanza, Utah.**
- b. **Directions to the location from Bonanza, Utah are as follows:**

**Proceed in a southeasterly direction for approximately 8.7 miles to the Evacuation Creek Road. Turn left onto the Evacuation Creek road and continue in a southerly direction for approximately 12.0 miles to Dragon. Continue southeasterly for approximately 3 miles to the Colorado/Utah State Line. Continue southeasterly on Rio Blanco County Road 109 for 1.25 miles. Turn left onto an existing two-track road and proceed southwesterly for 2.5 miles to the location.**
- c. **For location of access roads within a 2-Mile radius, see Maps A & B.**
- d. **Improvement to the existing access will not be necessary.**
- e. **All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.**
- f. **Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.**

**2. Planned Access Roads**

- a. **Approximately 2.5 miles of existing two-track will require upgrading.**
- b. **The maximum grade of the new construction will be approximately 3% except for the low water crossing areas.**
- c. **No turnouts are planned.**



- d. **One low water crossing will be necessary just prior to reaching the wellsite. The banks of the drainage will be cut down to lessen the grade of the crossing. There are no major cuts and fills. No culverts and/or bridges will be required.**
- e. **The access was not centerline flagged at the time of staking since it follows an existing two-track trail.**
- f. **The use of surfacing material is not anticipated, however it may be necessary depending on weather conditions.**
- g. **One cattleguard will be installed on the north side of the corral. This will be done to keep the rig traffic from driving through the center of the corral.**
- h. **Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.**
- i. **Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).**
- j. **The road will be constructed/upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.**



- k. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.**
- l. A right of way will be necessary for access roads located outside of Lease No. UTU-70247. A portion of the ROW will be located within Colorado and will be filed with the BLM in Meeker, Colorado. The remainder of the ROW (approximately 4400') will be located within Utah. An additional 900' of access is located on lease. Right of way may be issued to the wellhead if preferred by your office.**

**For location of right of way, please see Map "B" attached. The following BLM acreage will be affected:**

**T13S - R26E**

**Sec. 6: Lots 9-10**

**Sec. 7: Lot 2**

**There are no related structures or facilities planned at this time.**

**The right of way is requested for 30 years or the entire life of the producing well, whichever is longer.**

**The road will be used year-round for maintenance of production facilities. Only flatblading of the existing roadway will be required at this time. No temporary work areas will be needed.**

**Attached is the application and monitoring fee in the amount of \$175.00.**

**An SF-299 will be filed with the BLM in Meeker, Colorado for BLM lands crossed in Colorado.**



3. **Location of Existing Wells Within a 1-Mile Radius of the Proposed Location.**
- a. Water wells - none
  - b. Injection wells - none
  - c. Producing wells - none
  - d. Drilling wells - none
  - e. Shut-in wells - none
  - f. Temporarily abandoned wells - none
  - g. Disposal wells -none
  - h. Abandoned wells - none
  - i. Dry Holes - none

4. **Location of Tank Batteries and Production Facilities.**
- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted Desert Tan (10YR6/3). All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.
  - b. If storage facilities/tank batteries are constructed on this lease, the facility/battery or the wellpad shall surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.
  - c. A Sundry Notice will be submitted showing placement of all production facilities prior to construction.



- d. All loading lines will be placed inside the berm surrounding the tank battery.
- e. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.
- f. 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. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and 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 and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.
- g. If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.
- h. Any necessary pits will be properly fenced to prevent any wildlife entry.
- i. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- j. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- k. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.



- l. The road will be maintained in a safe useable condition.**

**5. Location and Type of Water Supply**

- a. All water needed for drilling purposes will be obtained from an artesian water well located in the SW/4 of Section 11, T4S - R104W, Rio Blanco, Colorado. Permission for the use of this water has been obtained from the Bureau of Land Management in Meeker, Colorado.**
- b. Water will be hauled to location over the roads marked on Maps A and B.**
- c. No water well is to be drilled on this lease.**

**6. Source of Construction Material**

- a. Surface and subsoil materials in the immediate area will be utilized.**
- b. Any gravel used will be obtained from a commercial source.**
- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.**
- d. No construction materials will be removed from Federal land.**

**7. Methods of Handling Waste Disposal**

- a. The reserve pit will be constructed so as not to leak, break, or allow discharge.**
- b. The use of a reserve pit liner is not anticipated, however, if fractured rock is encountered, a 12 mil plastic nylon reinforced liner will be utilized. The pit will be first lined with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could**



**puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O. If a pit liner is deemed to be unnecessary, the pit must be inspected by a representative of the Bureau of Land Management prior to putting fluids in the pit.**

- c. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight.**
- d. After first production, produced waste water will be confined to a unlined pit or storage tank for a period not to exceed ninety (90) days. During the 90-day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.**
- e. Drill cuttings are to be contained and buried in the reserve pit.**
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.**
- g. A chemical porta-toilet will be furnished with the drilling rig.**
- h. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.**

**8. Ancillary Facilities**

**There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.**

**9. Well Site Layout**

- a. **The operator or his/her contractor shall contact the BLM Office at 801/789-1362 forty-eight (48) hours prior to construction activities.**
- b. **The reserve pit will be located on the southeast side of the location.**
- c. **The flare pit will be located downwind of the prevailing wind direction on the south side, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.**
- d. **The stockpiled topsoil (first six inches) will be stored on the northeast side of the location as shown on the location layout.**
- e. **Access to the wellpad will be from the north where the existing access crosses the corner of the pad.**
- f. **See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.**
- g. **The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles will be shown on the Location Layout.**
- h. **During construction, all brush will be removed from the wellpad and access road and stockpiled separately from the topsoil.**
- i. **All pits will be fenced according to the following minimum standards:**
  1. **39 inch net wire shall be used with at least one strand or barbed 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).**
  2. **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.**



3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  4. 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 feet.
  5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- j. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

10. Plans for Restoration of Surface

Producing Location

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
- c. The plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.



- e. Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer.

The seed mixture for reclamation work will be a sight specific mixture as recommended by the authorized officer of the BLM at the time of reclamation. Seeding will be performed in the fall after September 15 or until permanent ground freeze. Any other seeding period will require the approval of the authorized officer of the BLM.

- f. The topsoil stockpile and the dike of the erosion control pond will be seeded with Fourwing Saltbush at the rate of 5 lbs./acre

Dry Hole

- g. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

11. Surface Ownership

Access Roads - All roads are County maintained or managed by the Bureau of Land Management.

Wellpad - The well pad is located on lands managed by the BLM.

12. Other Information

- a. A Class III archeological survey was conducted by Grand River Institute. No significant cultural resources were found and clearance has been recommended. A copy of this report will be submitted directly by Grand River Institute.



- b. The operator is responsible for informing all persons in the areas 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, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:
- whether the materials appear eligible for the National Register of Historic Places;
  - the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
  - a time frame for the AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.
- c. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. 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 pesticides or possible hazardous chemicals.
- d. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.



- e. No erosion control structures will be required by the Bureau of Land Management at this time.
- f. 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, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.
- g. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.
- h. 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.
- i. "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.
- j. This permit will be valid for a period of one year from the date of approval. An extension period may be granted, if requested, prior to the expiration of the original approval period. After permit termination, a new application will be filed for approval for any future operations.
- k. The operator or his contractor shall contact the BLM Offices at 801/789-1362 48 hours prior to construction activities.
- l. The BLM Office shall be notified upon site completion prior to moving on the drilling rig.



ONSHORE ORDER D. 1  
Trinity Petroleum Exploration, Inc.  
Davis Canyon #42-12-13-25  
1987' FNL and 655' FEL  
SE NE Sec. 12, T13S - R25E  
Uintah County, Utah

Lease No. UTU-70247

SURFACE USE PLAN

Page 14

- m. In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kencska	Petroleum Engineer	801/781-1190
Ed Forsman	Petroleum Engineer	801/789-7077
BLM Fax Machine		801/789-3634

13. Lessee's or Operator's Representative and Certification

Permit Matters

PERMITCO INC.  
Lisa L. Smith  
13585 Jackson Drive  
Denver, CO 80241  
303/452-8888

Drilling & Completion Matters

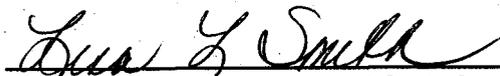
TRINITY PETROLEUM EXPLORATION, INC.  
1801 Broadway, Suite 600  
Denver, CO 80202  
303/294-9942 (O) - Regi Lee  
303/674-5995 (H)

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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, true and correct; and, that the work associated with the operations proposed herein will be performed by Trinity Petroleum Exploration Ind. and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

This statement is subject to the provisions of 18.U.S.C. 1001 for the filing of a false statement.

December 7, 1994  
Date:

  
\_\_\_\_\_  
Lisa L. Smith - PERMITCO INC.  
Authorized Agent for:  
TRINITY PETROLEUM EXPLORATION INC.

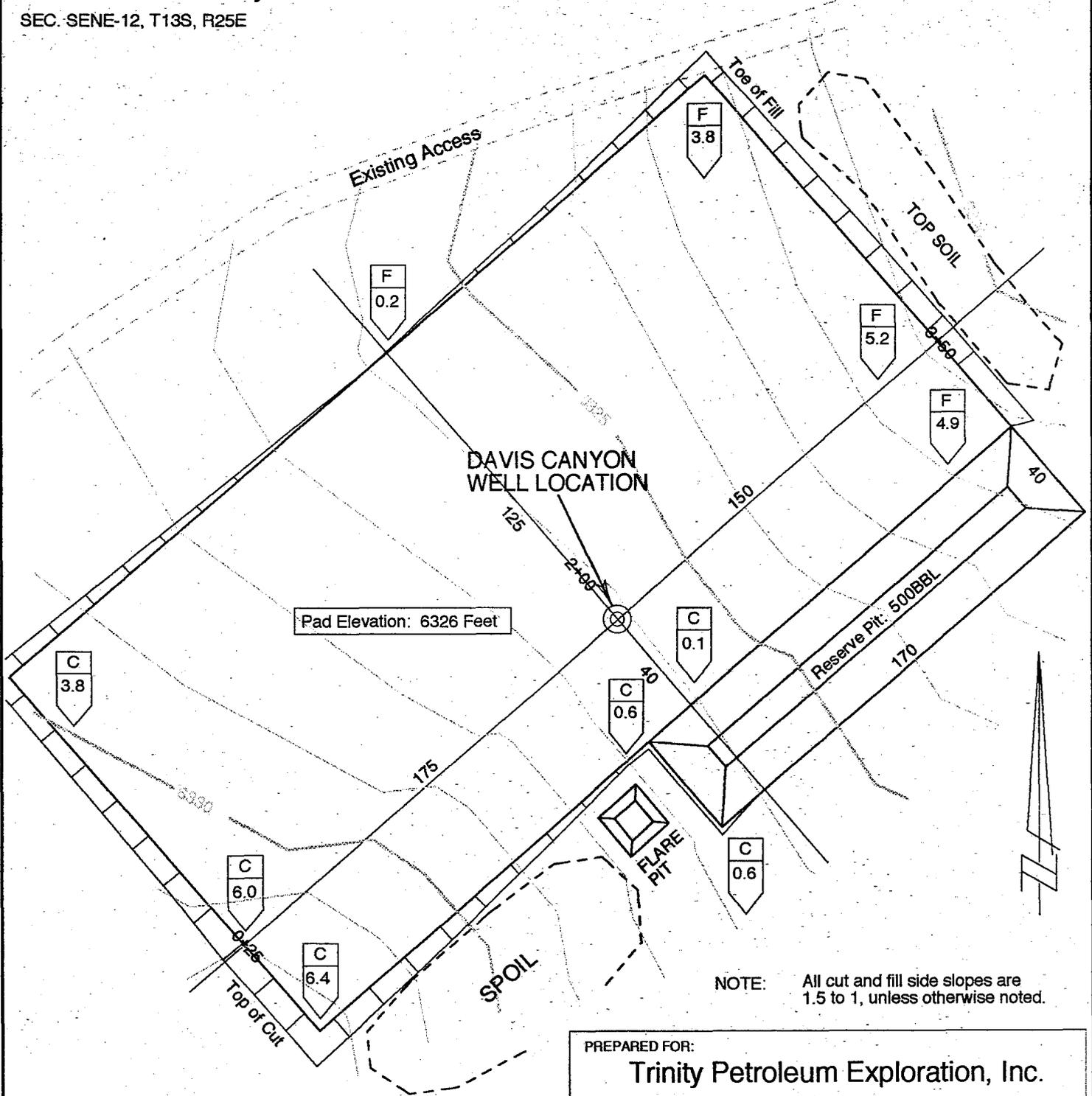


Permitco Incorporated  
A Petroleum Permitting Company

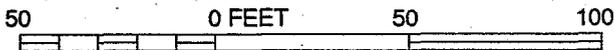
# PIT & PAD LAYOUT

OPERATOR: Trinity Petroleum Exploration, Inc.  
 WELL ID: Davis Canyon 42-12-13-25  
 SEC. SENE-12, T13S, R25E

UINTAH COUNTY, UTAH



SCALE:



Contour Interval: 1 foot

PREPARED FOR:

Trinity Petroleum Exploration, Inc.

**NICHOLS**  
 ASSOCIATES, INC.

CIVIL ENGINEERING  
 SURVEYING PHOTOGRAMMETRY  
 751 Horizon Court  
 Grand Junction, Colorado 81506  
 Phone 303-245-7101

SURVEY DATE: Nov 11, 1994

DRAWN: MS

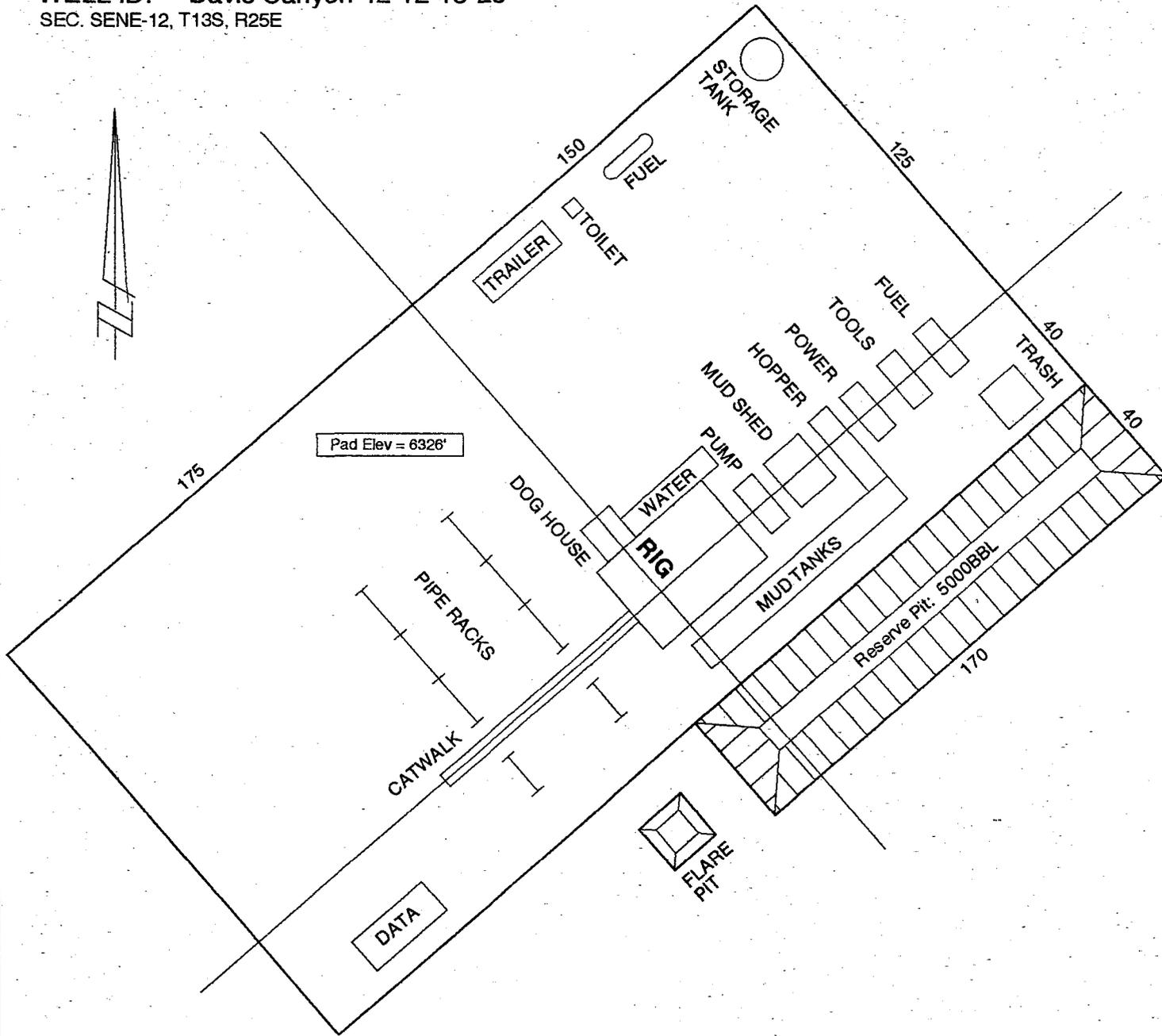
SHEET 2 OF 5

Job No. 3223

# RIG LAYOUT

OPERATOR: Trinity Petroleum Exploration, Inc.  
WELL ID: Davis Canyon 42-12-13-25  
SEC. SENE-12, T13S, R25E

UINTAH COUNTY, UTAH



NOTE: All cut and fill side slopes are 1.5 to 1, unless otherwise noted.

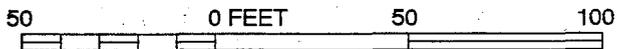
PREPARED FOR:

Trinity Petroleum Exploration, Inc.



CIVIL ENGINEERING  
SURVEYING PHOTOGRAMMETRY  
751 Horizon Court  
Grand Junction, Colorado 81506  
Phone 303-245-7101

SCALE:



SURVEY DATE: Nov 11, 1994

DRAWN: MS

SHEET 3 OF 5

Job No. 3223

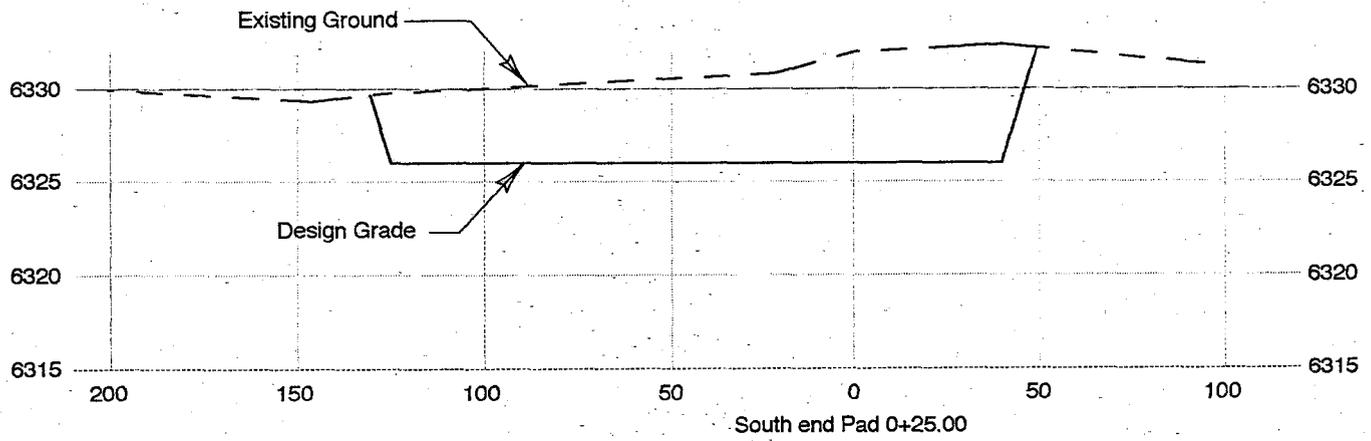
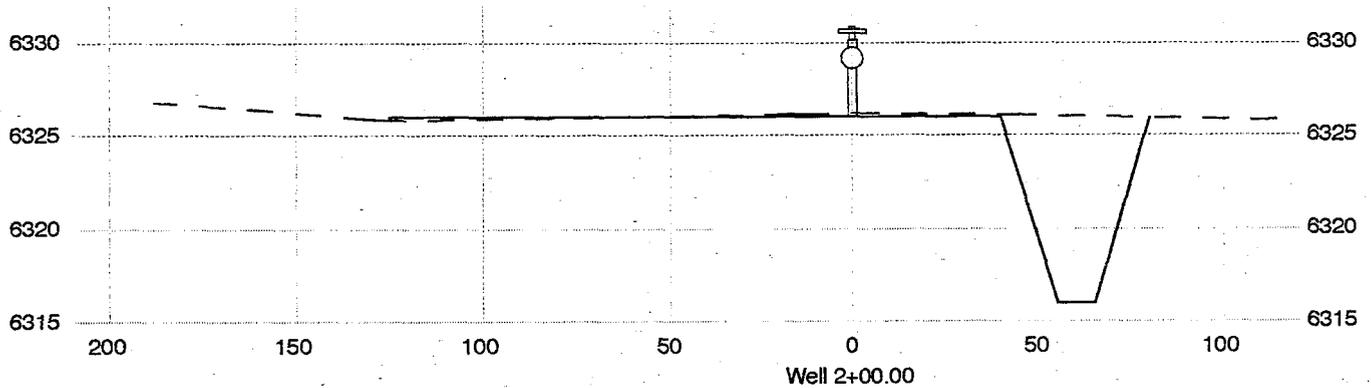
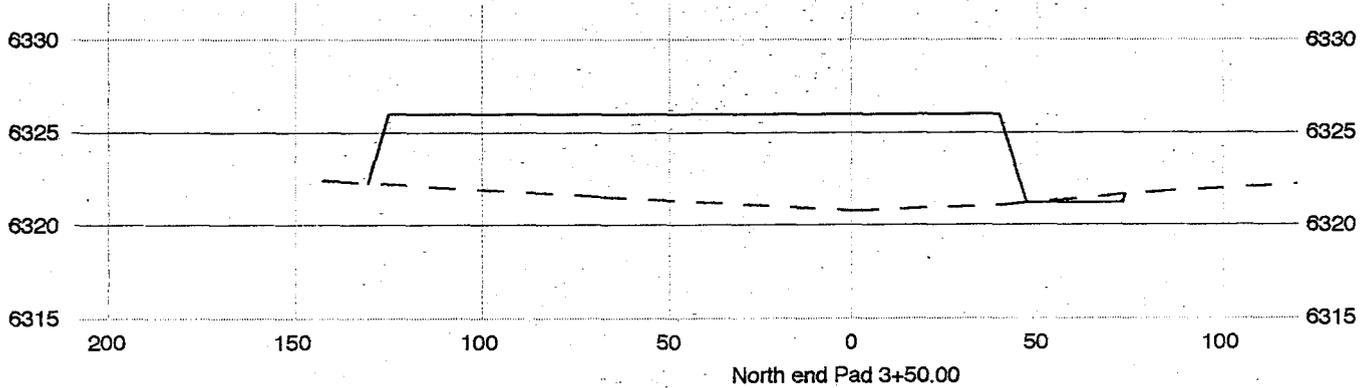
# CROSS SECTIONS & VOLUMES

OPERATOR: Trinity Petroleum Exploration, Inc.

UINTAH COUNTY, UTAH

WELL ID: Davis Canyon 42-12-13-25

SEC. SENE-12, T13S, R25E



Scale: Horizontal - 1 inch = 50 feet  
Vertical - 1 inch = 10 feet

EARTHWORK cubic yards				
ITEM	CUT	FILL	TOPSOIL	EXCESS
Pad	1 535	3 314	2 150	-1 779
Pit	1 033		258	1 033
TOTALS	2 568	3 314	2 408	-746

PREPARED FOR:  
**Trinity Petroleum Exploration, Inc.**

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**NICHOLS ASSOCIATES, INC.**  
CIVIL ENGINEERING SURVEYING PHOTOGRAMMETRY  
 751 Horizon Court  
 Grand Junction, Colorado 81506  
 Phone 303-245-7101

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SURVEY DATE: Nov 11, 1994  
 DRAWN: MS  
 SHEET 4 OF 5

Job No. 3223



**MAP B**

**Trinity Petroleum Exploration, Inc.**

**Davis Canyon #42-12-13-25**

**1987' FNL and 655' FEL**

**SE NE Sec. 12, T13S - R25E**

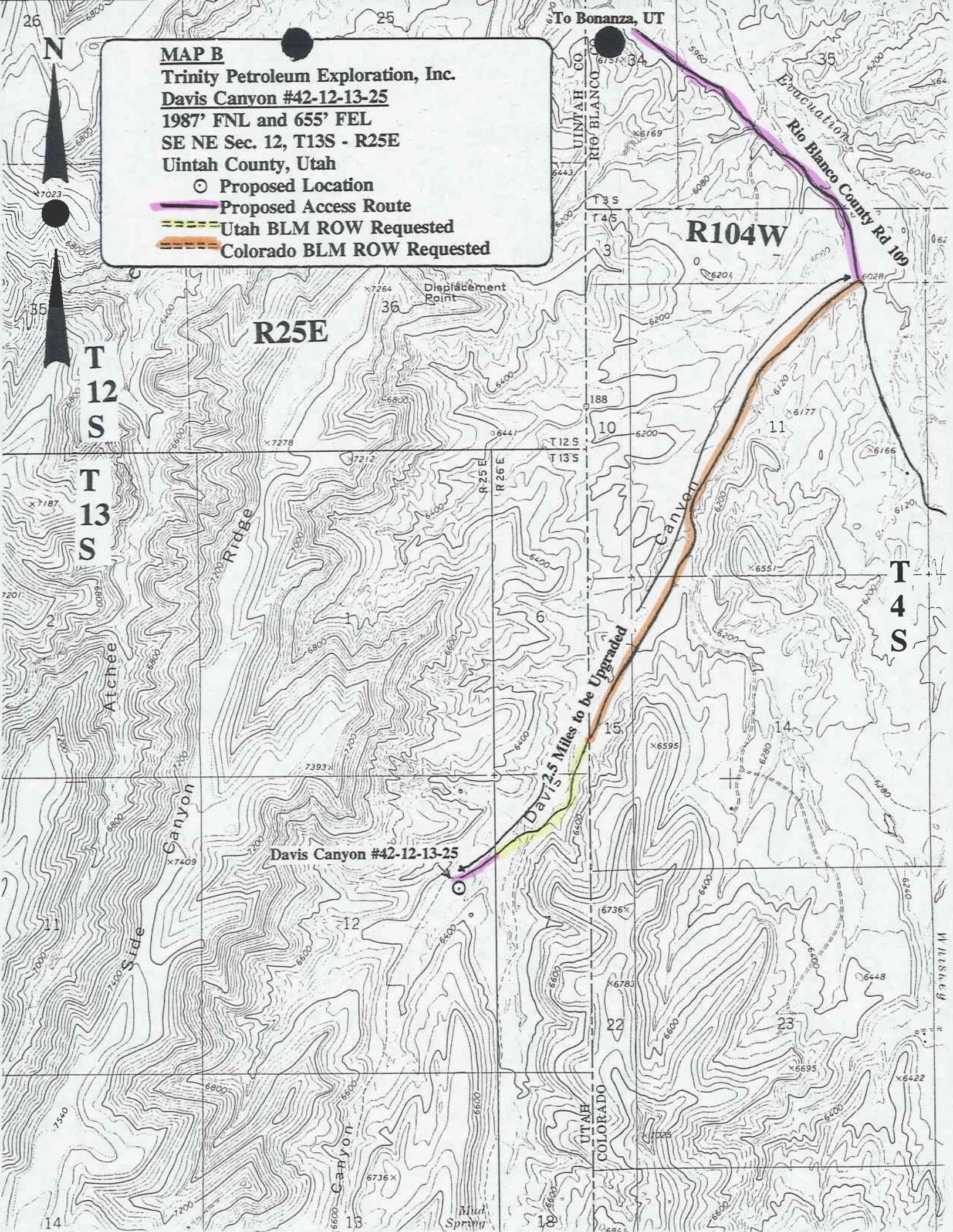
**Uintah County, Utah**

○ Proposed Location

— Proposed Access Route

--- Utah BLM ROW Requested

--- Colorado BLM ROW Requested



**There are no federal stipulations at this time.**



**Permitco Incorporated**  
A Petroleum Permitting Company

**A Class III Archeological Survey has been conducted by Grand River Institute. No significant cultural resources were found and clearance has been recommended. A copy of this report will be submitted to the appropriate agencies by Grand River Institute.**



**Permitco Incorporated**  
A Petroleum Permitting Company

**A Wastewater Permit will be filed with the Uintah Basin District Health Department once a rig has been selected.**



**Permitco**

**Permitco Incorporated**  
A Petroleum Permitting Company

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/09/94

API NO. ASSIGNED: 43-047-32618

WELL NAME: DAVIS CANYON 42-12-13-25  
OPERATOR: TRINITY PETROLEUM INC. (N5145)

PROPOSED LOCATION:  
SENE 12 - T13S - R25E  
SURFACE: 1987-FNL-0655-FEL  
BOTTOM: 1987-FNL-0655-FEL  
UINTAH COUNTY  
WILDCAT FIELD (001)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED  
LEASE NUMBER: UTU-70247

PROPOSED PRODUCING FORMATION: MNCS

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal  State  Fee   
(Number CO-145)

Potash (Y/N)

Oil shale (Y/N)

Water permit  
(Number RIO BLANCO COUNTY COLO)

RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

LOCATION AND SITING:

R649-2-3. Unit: \_\_\_\_\_

R649-3-2. General.

R649-3-3. Exception.

Drilling Unit.  
Board Cause no: \_\_\_\_\_  
Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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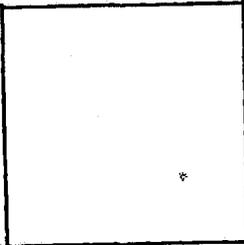
T 13 S

TRINITY PETROLEUM CORP.  
DAVIS CANYON 42-12-13-25  
SEC. 12, T13S, R25E  
UINTAH COUNTY,  
NO SPACING ORDERS

DAVIS CANYON  
42-12-13-25

R 24 E

R 25 E





STATE ACTIONS

Mail to:  
RDCC Coordinator  
116 State Capitol  
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY  
OIL, GAS AND MINING  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

2. STATE APPLICATION IDENTIFIER NUMBER:  
(assigned by State Clearinghouse)

3. APPROXIMATE DATE PROJECT WILL START:  
Upon approval

4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:  
(to be sent out by agency in block 1)  
Uintah Basin Association of Governments

5. TYPE OF ACTION:  Lease  Permit  License  Land Acquisition  
 Land Sale  Land Exchange  Other \_\_\_\_\_

6. TITLE OF PROPOSED ACTION:  
Application for Permit to Drill

7. Trinity Petroleum Exploration, Inc. proposes to drill the Davis Canyon #42-12-13-25 well (wildcat) on federal lease UTU-70247 in Uintah County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S. Bureau of Land Management is the primary administrative agency in this action and must issue approval before operations commence.

8. LAND AFFECTED (site location map required) (indicate county)  
SE NE, Section 12, Township 13 South, Range 25 East, Uintah County, Utah

9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?

10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:  
See Attachment

11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:

12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED

Frank R. Matthews  
PHONE: 538-5340

OFFICIAL:



DATE: 12-27-94 Petroleum Engineer



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

January 4, 1995

Trinity Petroleum Exploration Inc.  
1801 Broadway, Suite 600  
Denver, Colorado 80202

Re: Davis Canyon #42-12-13-25 Well, 1987' FNL, 655' FEL, SE NE, Sec. 12, T. 13 S.,  
R. 25 E., Uintah County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

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

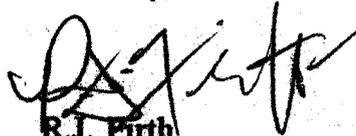
1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
2. Notification to the Division within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.
6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.



Page 2  
Trinity Petroleum Exploration Inc.  
Davis Canyon #42-12-13-25 Well  
January 4, 1995

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32618.

Sincerely,



R.J. Firth  
Associate Director

ldc  
Enclosures  
cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office  
WO11

No. of Pages: 2  
 Date Recd: 1/11/95  
 Name: Frank Russell  
 Company: Jim Nebeker Trucking Co.  
 Location: Roosevelt UT  
 Phone: 801-722-9282  
 Original:  Display  Refer  On File

# FILING FOR WATER IN THE STATE OF UTAH

## APPLICATION TO APPROPRIATE WATER

No. by \_\_\_\_\_  
 Fee Rec. \_\_\_\_\_  
 Receipt # \_\_\_\_\_  
 Microfilm # \_\_\_\_\_  
 Roll # \_\_\_\_\_

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 75, Chapter 3 of the Utah Code Annotated 1953, as amended.

WATER RIGHT NUMBER: 49 - 1552

TEMPORARY APPLICATION NUMBER: T60487

**1. OWNERSHIP INFORMATION:**

LAND OWNED?

A. NAME: Jim Nebeker Trucking  
 ADDRESS: Route 2, Box 2060, Roosevelt, UT 84066

INTEREST: 100%

B. PRIORITY DATE: January 6, 1994

FILING DATE: January 6, 1994

**2. SOURCE INFORMATION:**

A. QUANTITY OF WATER: 20.0 acre-feet

B. DIRECT SOURCE: White River and Missouri Creek COUNTY: Uintah

**C. POINTS OF DIVERSION -- SURFACE:**

- (1) N 400 feet W 1850 feet from E corner, Section 2, T 10S, R 24E, S10M  
 DIVERT WORKS: Pump into tanker truck  
 SOURCE: White River
- (2) N 1600 feet E 3100 feet from SW corner, Section 1, T 12S, R 25E, S10M  
 DIVERT WORKS: Pump into tanker truck  
 SOURCE: Missouri Creek

**3. WATER USE INFORMATION:**

OIL EXPLORATION: from Jan 1 to Dec 31. Oil Field exploration and Drilling.

**4. PLACE OF USE: (which includes all or part of the following legal subdivisions):**

BASE	TOWN	RANGE	SECTION	NORTH-EAST				NORTH-WEST				SOUTH-WEST				SOUTH-EAST			
				NE	NW	SW	SE												
SI	12S	25E	24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SI	13S	24E	24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SI	13S	25E	24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
SI	14S	24E	36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Appropriate

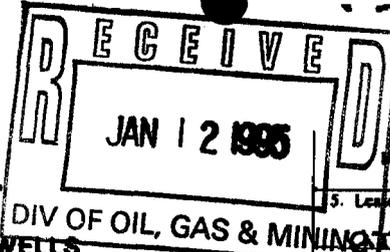
TEMPORARY APPLICATION for Water Right: 49 - 1552 continued\*\*\*

Page: 2

5. SIGNATURE OF APPLICANT(S):

The applicant(s) hereby acknowledge(s) that he/she/they are citizen(s) of the United States of America or intend(s) to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of information contained herein, at the time of filing, rests with the applicant(s).

*[Handwritten Signature]*  
Signature of Applicant(s)



Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No. U-70347 6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation NA

8. Well Name and No. NA

9. API Well No. DANIS CANNON 42-12-13-26

10. Field and Pool, or Exploratory Area 43-047-32618

11. County or Parish, State WILDCAT UINTAN, UTAH

1. Type of Well Oil Well Gas Well Other

2. Name of Operator TRINITY PETROLEUM EXPLORATION INC.

3. Address and Telephone No. 1801 BROADWAY STE. 410 DENVER CO. 80202 (303-294-9942)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1987' FNL & 655' FEL SENE, SEC. 12, T13S, R25E

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

Table with columns: TYPE OF SUBMISSION, TYPE OF ACTION. Includes checkboxes for Notice of Intent, Abandonment, Change of Plans, etc.

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

TO CORRECT APD - SURFACE USE PLAN, PAGE 6, #5 "LOCATION AND TYPE OF WATER SUPPLY", AND ALSO TO ADD TO LIST. (SEE ATTACHED STATE OF UTAH, APPLICATION TO APPROPRIATE WATER AS SUBMITTED BY JIM NEBEKER TRUCKING, BOX 2060, ROOSEVELT, UTAH, 84066.) ADDITIONAL SOURCES: (1) N.-400FT., W.-1800FT. FROM E/4 CORNER, SEC. 2, T10S, R24E. (2) N.-1600FT., E.-3100FT. FROM SW CORNER, SEC. 1, T12S, R25E.

CC: DIVISION OIL GAS & MINING, SLC., ATTN: FRANK MATHEWS

FAKED: 1/9/95 (Use copy to follow)

14. I hereby certify that the foregoing is true and correct. Signed [Signature] Title CONSULTANT Date 1/9/95

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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.

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

SUBMIT IN TRIPPLICATE\*

(Other instructions on reverse side)

Form approved

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

**REGISTRATION**  
JAN 12 1995  
DIV. OF OIL, GAS & MINING

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG-BACK**

1a. TYPE OF WORK <b>DRILL <input checked="" type="checkbox"/></b> <b>DEEPEN <input type="checkbox"/></b>		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-70247</b>	
1b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>N/A</b>	
2. NAME OF OPERATOR <b>Trinity Petroleum Exploration, Inc.</b>		7. UNIT AGREEMENT NAME <b>N/A</b>	
3. ADDRESS OF OPERATOR <b>PERMITCO INC. - Agent</b>		8. FARM OR LEASE NAME <b>Davis Canyon</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. *) At Surface <b>1987' FNL and 655' FEL</b> At proposed Prod. Zone <b>SE NE Sec. 12, T13S - R25E</b>		9. WELL NO. <b>#42-12-13-25</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>27 miles south of Bonanza, UT</b>		10. FIELD AND POOL OR WILDCAT <b>Wildcat</b>	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) <b>655'</b>		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>Sec. 12, T13S - R25E</b>	
16. NO. OF ACRES IN LEASE <b>1989.6</b>		12. COUNTY OR PARISH <b>Uintah</b>	
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>160</b>		13. STATE <b>Utah</b>	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR ON THIS LEASE, FT. <b>None</b>		19. PROPOSED DEPTH <b>4500'</b>	
20. ROTARY OR CABLE TOOLS <b>Rotary</b>		21. APPROX. DATE WORK WILL START* <b>Upon approval of this application.</b>	
22. APPROX. DATE WORK WILL START*			
23. PROPOSED CASING AND CEMENTING PROGRAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT/FOOT	SETTING DEPTH
<b>12-1/4"</b>	<b>8-5/8"</b>	<b>24#</b>	<b>500'</b>
<b>7-7/8"</b>	<b>4-1/2"</b>	<b>11.6#</b>	<b>4,500'</b>
QUANTITY OF CEMENT <b>270 sx - Circ. to Surf.</b> <b>444 sx or suffic. to cover zones of interest.</b>			

Trinity Petroleum Exploration, Inc. proposes to a well to a depth of 4500' to test the Mancos B formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

Trinity Petroleum Exploration, Inc. has been designated by proper lease interest owners to conduct operations on the above mentioned lease. Bonding will be provided by Trinity Petroleum Exploration, Inc. under their Nationwide BLM Bond #CO-1145.

Trinity Petroleum Exploration, Inc. is considered to be the operator of the above mentioned well and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.

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 *Sera L. Smith*      TITLE Consultant for: Trinity Petroleum Exploration, Inc.      DATE 12/07/94

PERMIT NO. 13-047-32618      APPROVAL DATE \_\_\_\_\_

APPROVED BY *Howard R. Leavins*      TITLE ASSISTANT DISTRICT MANAGER MINERALS      DATE JAN 4 1995

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

**NOTICE OF APPROVAL**

cc: Utah Div. of Oil, Gas & Mining

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.

*Div OGRM*

**CONDITIONS OF APPROVAL**  
**APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Trinity Petroleum Exploration, Inc.

Well Name & Number: Davis Canyon 42-12-13-25

API Number: 43-047-32618

Lease Number: U-70247

Location: SENE Sec. 12 T. 13 S R. 25 E

**NOTIFICATION REQUIREMENTS**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days.

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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 Tim Ingwell of this office. 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.

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 3M 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.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

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

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

Neat cement shall be used when cementing the surface casing from TD to surface.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water Zone at  $\pm 2,841$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

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  $\pm 2,641$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

6. Notifications of Operations

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours **prior** to spudding the well.

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

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 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.

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 on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

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. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and 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.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (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 (b. 4).

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, please contact one of the following individuals:

Wayne Bankert (801) 789-4170  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

BLM FAX Machine (801) 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, spend 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.

**SURFACE USE PLAN OF OPERATIONS**  
Conditions of Approval (COAs)

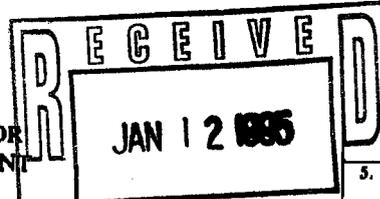
Additional Surface Conditions of Approval

No construction or drilling will be allowed from April 1 to July 15, to protect nesting Prairie Falcons.

It will be necessary to line the reserve pit to protect underground water sources.

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT



FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS DIV OF OIL, GAS & MINING Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No. NATU-70747 6. Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation NA

1. Type of Well Oil Well Gas Well Other

8. Well Name and No. DAVIS CANYON 42-12-13-75 9. API Well No. 43-047-22618

2. Name of Operator TRINITY PETROLEUM EXPLORATION INC. 3. Address and Telephone No. 1801 BROADWAY STE. 400, DENVER, CO. 80202 (303-794-9942)

10. Field and Prod. or Exploratory Area WILDCAT

4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1987' FNL, & 255' FEL SENE, SEC. 12, T13S, R25E

11. County or Parish, State UTAH, UTAH

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

Table with columns TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Abandonment, Recompletion, Plugging Back, Casing Repair, Altering Casing, Change of Plans, New Construction, Non-Routine Fracturing, Water Shut-Off, Conversion to Injection, and Dispose Water.

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

AS PER VERBAL APPROVAL AS RECEIVED FROM WAYNE BANKERT - BLM, VERNAL - @ 11:28 AM 1/9/95 VIA TELEPHONE TO CHANGE PRODUCTION CASING FROM 4 1/2 11.6# N80 TO 5 1/2 17# N80 LTC (USED-WHITE BAND) FOR COMPLETION PROCEDURE CONSIDERATIONS.

cc: DIVISION OIL & GAS & MINING., SLC. ATTN: FRANK MATHEWS

14. I hereby certify that the foregoing is true and correct. Signed [Signature] Title CONSULTANT Date 1/9/95

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_ Conditions of approval, if any: \_\_\_\_\_

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.

\*See instruction on Reverse Side

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: TRINITY PETROLEUM

Well Name: DAVIS CANYON 42-12-13-25

Api No. 43-047-32618

Section 12 Township 13S Range 25E County UINTAH

Drilling Contractor CAZA

Rig # 16

SPUDDED: Date 1/19/95

Time 10:00 AM

How DRY HOLE

Drilling will commence \_\_\_\_\_

Reported by SAM HARVEY

Telephone # \_\_\_\_\_

Date: 1/20/95 Signed: FRM

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.

UTU - 70247

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

DAVIS CANYON  
42-12-15-25

9. API Well No.

43-047-32618

10. Field and Pool, or Exploratory Area

WILCAT

11. County or Parish, State

UINTAH, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

TRINITY PETROLEUM EXPLORATION INC.

3. Address and Telephone No.

1801 BROADWAY, STE. 640, DENVER, CO. 80202 (303-294-9942)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

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

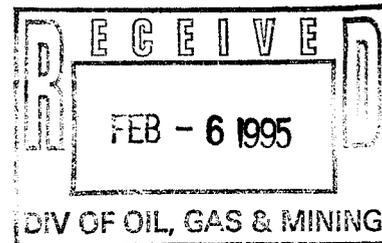
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input checked="" type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

RECEIVED VERBAL APPROVAL FROM ED FORSMAN - BLM, VERNAL - AT 2:29 PM 1/20/95 VIA TELEPHONE TO CHANGE SURFACE CASING FROM 8 5/8" 24# J55 STC TO 9 5/8" 36# J55 LTC.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY



FAKED 1/21/95

HARDCOPY TO FOLLOW

14. I hereby certify that the foregoing is true and correct

Signed

Title

CONSULTANT

Date

1/21/95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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.

\*See instruction on Reverse Side

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**TRINITY PETROLEUM EXPLORATION INC.**

3. Address and Telephone No.  
**1801 BROADWAY STE. 400, DENVER, CO. 80202 (303-294-9942)**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1987' FNL, & 655' FEL  
 SENE, SEC. 12, T13S, R25E**

FORM APPROVED  
 Budget Bureau No. 1004-0135  
 Expires: March 31, 1993

5. Lease Designation and Serial No.  
**UTU-70747**

6. If Indian, Altonce or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**NA**

8. Well Name and No.  
**DAVIS CANYON 42-12-13-25**

9. API Well No.  
**43-047-32618**

10. Field and Pool, or Exploratory Area  
**WILDCAT**

11. County or Parish, State  
**UINTAH, UTAH**

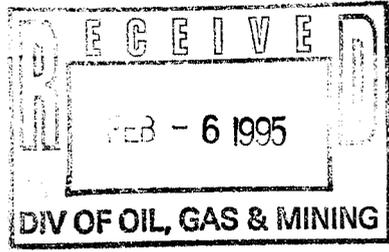
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
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	<input checked="" type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

AS PER VERBAL APPROVAL AS RECEIVED FROM WAYNE BANKERT -  
 BLM, VERNAL - @ 11:28 AM 1/9/95 VIA TELEPHONE TO CHANGE  
 PRODUCTION CASING FROM 4 1/2 11.6# N80 TO 5 1/2 17# N80  
 LTC (USED - WHITE BAND) FOR COMPLETION PROCEDURE

CONSIDERATIONS:  
**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY**



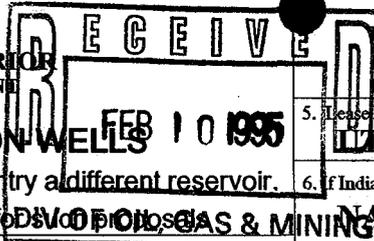
14. I hereby certify that the foregoing is true and correct.  
 Signed [Signature] Title CONSULTANT Date 1/9/95

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any: \_\_\_\_\_

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.

\*See instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.

Use "APPLICATION FOR PERMIT -" for Division of Oil, Gas & Mining

5. Lease Designation and Serial No.  
**LTU-70247**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
**NA**

8. Well Name and No.  
**Davis Canyon 42-12-13-25**

9. API Well No.  
**43-047-32618**

10. Field and Pool, or Exploratory Area  
**Wildcat**

11. County or Parish, State  
**Uintah County, Utah**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Trinity Petroleum Exploration Inc.**

3. Address and Telephone No.  
**1801 Broadway, Ste. 640, Denver, CO. 80202 (303)-294-9942**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1987' FNL & 655' FEL  
SENE, Sec. 12. T13S, R25E**

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

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<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
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	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

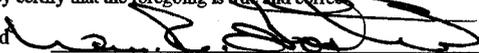
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Received verbal approval from Ed Forsman and Wayne Bankert -BLM, Vernal- at 8:49 AM 2/7/95 via telephone to run 7 inch 23# L80 LTC intermediate casing to be set at approximately 4000 ft. (+/-) in lieu of 5 1/2 inch 17# N80 and to drill a 6 1/8" hole to TD setting 4 1/2" 11.6# N80 LTC liner.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

CC: Frank Mathews, State of Utah, Division of Oil, Gas and Mining.  
Faxed: 2/7/95 (hardcopies to follow)

14. I hereby certify that the foregoing is true and correct.  
Signed  Title Consultant f/ Trinity Petroleum Date 02/07/95

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

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.

\*See Instruction on Reverse Side

Form 3160-5  
(June 1990)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
FEB 17 1995  
DIV OF OIL, GAS & MINING

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
TRINITY PETROLEUM EXPLORATION INC.

3. Address and Telephone No.  
1901 BROADWAY, STE. 640, DENVER, CO. 80202 (303-294-9942)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 12 T135 R25E

5. Well Designation and Serial No.  
GTU - 70247  
6. If Indian, Allottee or Tribe Name  
NA  
7. If Unit or CA, Agreement Designation  
NA  
8. Well Name and No.  
DAVIS CANYON  
42-12-13-25  
9. API Well No.  
43-047-32618  
10. Field and Pool, or Exploratory Area  
WILCOT  
11. County or Parish, State  
UINTAH, UTAH

Received  
JAN 1995  
001-9131  
Vernal, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
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RECEIVED VERBAL APPROVAL FROM ED FORSMAN - BLM, VERNAL -  
AT 2:29 PM 1/20/95 VIA TELEPHONE TO CHANGE SURFACE CASING  
FROM 8 5/8" 24" J55 STC TO 9 5/8" 36" J55 LTC.

RECEIVED  
JAN 30 1995

FAKED 1/21/95

HARDCOPY TO FOLLOW

14. I hereby certify that the foregoing is true and correct.

Signature: [Signature] Title: CONSULTANT Date: 1/21/95

(This space for Federal or State office use)

Approved by: NOTED Title: \_\_\_\_\_ Date: FEB 06 1995

Conditions of approval, if any: \_\_\_\_\_

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\*See instruction on Reverse Side



# ROCKY MOUNTAIN GEO-ENGINEERING CORP.

Well Logging • Consulting Geology • Coal Bed Methane Services • Analytical Laboratory Services

2450 INDUSTRIAL BLVD. • GRAND JUNCTION, CO 81505

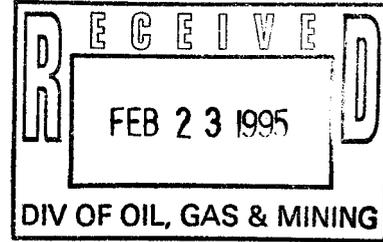
(303) 243-3044 • FAX: 241-1085

February 21, 1995

Attn: Dwight A. Ingram  
Trinity Petroleum Exploration, Inc.  
1801 Broadway, Ste. 640  
Denver, CO 80202

Re: Davis Canyon 42-12-13-25  
Sec. 12, T13S, R25E  
Uintah County, Utah

43-047-32618



Dear Mr. Ingram:

Enclosed are the final logs, core logs and geology report for the above referenced well.

We appreciate the opportunity to be of service and look forward to working with you again in the near future.

If you have further questions, please contact us.

Respectfully,

Bill Nagel  
Senior Geologist

BN/dn

Enc. 5 Final Computer Colored Logs/5 Computer Colored Core Logs /5 Geology Reports

cc 1 Final Computer Colored Log/1 Computer Colored Core Log/1 Geology Report;  
Wellsite Management; Wm. R. Foster ; Casper WY  
2 Final Computer Colored Logs/2 Computer Colored Core Logs/2 Geology Reports;  
U. S. Dept. of the Interior, BLM/Vernal Utah Dist. Office; Vernal UT  
1 Final Computer Colored Log/1 Computer Colored Core Log/1 Geology Report;  
State of Utah; Vicky Carney; Salt Lake City, UT



Trinity Petroleum Exploration, Inc.

Davis Canyon 42-12-13-25  
Sec. 12, T13S, R25E  
Uintah County, UT

**ROCKY MOUNTAIN GEO-ENGINEERING CO.**  
— WELL SITE GEOLOGY & MUD LOGGING —

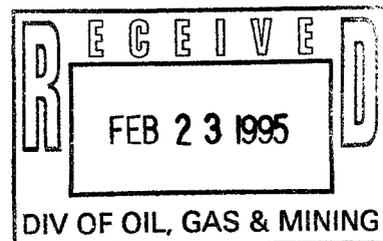
2450 Industrial Blvd. Grand Junction, Colorado 81505  
Phone (303) 243-3044

**TRINITY PETROLEUM EXPLORATION INC.**

**DAVIS CANYON #42-12-13-25**

**SECTION 12 , T13S , R25E**

**UINTAH COUNTY, UTAH**



**MICROFICHE**

**GEOLOGY REPORT**

**by**

**JACK PALUGA**

**ROCKY MOUNTAIN GEO-ENGINEERING CORP.**

**GRAND JUNCTION, COLORADO**

**(303) 243-3044**

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**WELL SUMMARY**

**OPERATOR:** TRINITY PETROLEUM EXPLORATION INC.

**NAME:** DAVIS CANYON #42-12-13-25

**LOCATION:** SECTION 12 T13S R25E

**COUNTY/STATE:** UINTAH, UTAH

**ELEVATION:** GL 6326' KB 6342'

**SPUD DATE:** 2/2/95

**COMPLETION DATE:** 2/18/95

**DRILLING ENGINEER:** SAM HARVEY

**WELLSITE GEOLOGY:** JACK PALUGA

**MUDLOGGING:  
ENGINEERS:** ROCKY MOUNTAIN GEO-ENGINEERING CO  
JOE JAMISON, LIZ RECKS

**CONTRACTOR:  
TOOLPUSHER:** CAZA #16  
JOHN MORRIS

**HOLE SIZE:** 12/1/4" TO 579', 8 3/4 TO 3924', 6 1/4" TO 3995', 6" TO 4554'

**CASING RECORD:** 9 5/8" SET TO 579' AND 7" SET TO 3924'

**DRILLING MUD:  
ENGINEER:  
MUD TYPE:** ANCHOR DRILLING FLUIDS  
GERALD ASHCROFT

**ELECTRIC LOGS:  
ENGINEER:  
TYPE LOGS:  
TOTAL DEPTH:** SCHLUMBERGER  
MIKE JARDON, ARTHUR WHITE  
PH-GR, AI-GR, IP-LL-GR  
4554'

**STATUS:**

## DRILLING CHRONOLOGY

### TRINITY PETROLEUM EXPLORATION INC

DAVIS CANYON 42-12-13-25

DATE	DEPTH	DAILY	ACTIVITY
02/03/95	579		RMGE FID field unit #37 on location, per rig supervisor --level 3 service. Found that 9 5/8" casing was set to 579' kb.
02/04/95	579		Nipple up to surface, test pipe, rigging up to drill with air rig crew cut power cable to logging unit,
02/05/95	579		Nipple up blooie line, wash down rat and mouse holes, cut drlg line, put rotating head and bushing on kelly, pick up collars, drill plug, cement and shoe. Bit #1 8 3/4" RR ATJ-22, depth in 579', no cutting samples from 579 to 648, rig crew did not have 2" valve to fit blooie line, 704' change out blooie line, flooding location, sample quality very poor at this time, rigged up and drilling with air/mist,
02/06/95	1502	923	Drlg air/mist, well making 150 bbl water/hr with air on, taking 12-15 min. to get returns as connection, short trip at 2223' to rig up and drill with mud, 892 gas units at short trip, 3227' by passing shaker and possum belly, no gas readings or samples, did not trip for bit at this time, drilling without jets in bit, run test on gas trap
02/07/95	2283	781	Drill to 2562, pull 3 1/2 stands, tight hole trip out, pick up 6 drill collars, trip in hole with Bit #2 8 3/4" ATJ-22S, with jets, break circulation, pipe strap 2557' at trip.
02/08/95	2557	274	Back to drilling at 0020 hrs, drilling ahead
02/09/95	3322	765	Drilling ahead.
02/10/95	3877	555	RTD 3930' at 0400 hrs. short trip 15 stand, tight hole stuck about 5 hrs, tight 3020 to 2400, rig up to log with Schlumberger, run E-logs

DATE	DEPTH	DAILY	ACTIVITY
02/11/95	3930		Finish running E-logs, lay down 4 1/2 drill pipe, rig up to run 7" casing, rig up cementers, pressure test lines, pick up stack, nipple up, change rams
02/12/95	3930		Pressure test, change out kelly, start to pick up collars
02/13/95	3930		Finish picking up collars, drill pipe, drill cement and float equipment, drill to 3995, trip out to pick up core barrel, trip back in hole. CORE #1 3996-4055,
02/14/94	4055	125	Drig Core #1 3996 to 4055, recovered 60' of core, trip in hole for Core #2, 4056 to 4115, recovered 60' of core, trip in hole to run core run core #3 4115 to 4129, core barrel jammed core 14' recovered 7', trip in hole to run core #4 4129 to 4189, start tripping out of hole.
02/15/95	4189	134	Finish tripping core #4 reovered 60' of core, Run core #5 4189 to 4249, recovered 60' of core, run core #5 4189 to 4249, run recovered 56' of core,
02/16/95	4291	102	Core #6 4249 to 4291 core barrel jammed recovered 42' of core, run core #7 4291 to 4325, core barrel jammed recovered 30' of core, run core #8 4325 to 4387, core barrel jammed recovered 40' of core,
02/17/95	4387	96	Core #9 4387 to 4448, recovered 14' of core, lay down core barrel and pick up bit #5 6" HTC S4J and drill rat hole for E-logging, RTD 4554 at 1430 hrs. Fill hole with mud for e-logging.
02/18/95	4554	167	finish running E-logs, RMGE unit #37 released.

# DAILY ACTIVITY

Operator: TRINITY PETROLEUM EXPLORATION INC  
Well Name: DAVIS CANYON 42-1-13-25

DATE	DEPTH	DAILY	DATE	DEPTH	DAILY
02/03/95	579	0			
02/04/95	579	0			
02/05/95	579	0			
02/06/95	1502	932			
02/07/95	2283	721			
02/08/95	2562	279			
02/09/95	3322	760			
02/10/95	3877	555			
02/11/95	3877	0			
02/12/95	3877	0			
02/13/95	3996	119			
02/14/95	4055	59			
02/15/95	4189	134			
02/16/95	4291	102			
02/17/95	4387	96			
02/18/95	4554	167			

# BIT RECORD

OPERATOR: TRINITY PETROLEUM EXPLORATION INC  
WELL NAME: DAVIS CANYON 42-12-13-25

RUN	SIZE	MAKE	TYPE	OUT	FTG	HRS	FT/HR
#1	8 3/4"	HTC	ATJ-22	2562	1983	43	82.65
#2	8 3/4"	HTC	J-22S	3930	1368	50 1/4	27.22
#3	8 1/4"	VAREL	MILL	3995	71	1 1/4	56.8
#4	6 1/8"	CHRST	RC-315	4449	454	16 3/4	27.1
#5	6"	HTC	S4J	4554	105	1 1/2	70
#6							
#7							
#8							
#9							
#10							
#11							

# MUD REPORT

OPERATOR: TRINITY PETROLEUM EXPLORATION INC  
WELL NAME: DAVIS CANYON 42-12-13-25

DATE	DPH	WT	VIS	PLS	YLD	GEL	PH	AWL	CK	CHI	CA	SD	SOL	WTR
2/8	2740	8.9	45	17	16	2/3	10.0	7.2	1/32	600	TR	1/8	4.3	95.7
2/9	3470	9.1	36	11	9	1/1	9.0	8.2	1/32	600	TR	1.8	5.7	94.3
2/10	3930	9.5	48	22	21	4/6	9.0	7.4	1/32	500	TR	1/8	8.5	91.5
2/11	3930	9.3	40	15	12	1/1	8.5	8.6	1/32	500	TR	TR	7.1	92.9

# SURVEYS

OPERATOR: TRINITY PETROLEUM EXPLORATION INC  
WELL NAME: DAVIS CANYON 42-12-13-25

MEASURED DEPTH	ANGLE DEGREES	DIRECTION DEGREES	TRUE VERICAL DEPTH	VERTICAL SECTION
1104	1 1/2			
1691	1 1/2			
2562	1			
3930	NA			
4554	2 1/2			

# SAMPLE DESCRIPTIONS

OPERATOR: TRINITY PETROLEUM EXPLORATION INC  
WELL NAME: DAVIS CANYON 42-12-13-25

DEPTH	LITHOLOGY
580-584	SS, ltgy, wh, occ trnsl, dns, slty, shly include, carb incl, sl calc, vf-fgn, m-wsrt, m-ccmt, sbang-ang, tr intrgn por, tr wk dul ylgld fluor, no cut
584-592	SH, m-ltgy, vslty, sl carb, calc, mhd, sbblky, incr sdy, grdg to SLTST ip
592-606	SS, ltgy wh, occ trnsl, dns, slty, shly include, carb incl, sl calc, vf-fgn, m-wsrt, m-wcmt, sbang-ang, tr intrgn por, tr wk dul ylgld fluor, no cut
606-670	Pred, SH, m-lgy, vslty, sl carb, calc, mhd frm, sbblky incr sdy grdg to SLTST ip, intrbd with SS ltgy, wh, occ frst-trsnl, dns, vslty ip, shly incl, carb incl, sl calc, vf-fgn, m-wsrt, m-wcmt, sbang-ang, tr intrgn por, tr mnri fluor, no cut
670-700	Pred SS ltgy, wh occ trnsl, dns, slty, shly incl, carb incl, sl calc, vf-fgn, wsrt, m-wcmt, sbang-ang, tr intrgn por, tr wk dul ylgld fluor, no cut, intrbd with SH m-ltgy, vlsty, calc, mhd-frm, sbblky, incr sdy grdg to SLTST ip

DEPTH	LITHOLOGY
700-750	Pred SH lt-mgy, lt-mbn, vslty, carb, calc, incr sdy ip, grdg to SLTST, intrbd with SS ltgy, wh, clr, trnsl, dns, slty, arg, wh cly flgs, carb frgs/incl, sl calc, fgn, wsrt, wcmt, sbang-ang, tr intrgn por, NFSOC
750-760	SH ltgy, vslty, tr snd, calc, tr carb incl/lam, sbplty, grdg to SLTST ip
760-790	SS wh, clr, occ frst-trnsl, dns, arg wh cly flgs, carb incl/frgs, calc, vslty ip, f-mgn, m-wsrt, m-wcmt, sbang-ang, tr intrgn por, NFSOC, with SLTST ltbn, ltby, vsdy ip, carb incl, calc, mhd frm, sbblky, grdg to vslty SS ip
790-820	SS pred uncons qtz gn, wh, clr, occ frst-trnsl, vfgn, wsrt, mcmt, occ carb frgs, sbang-ang, fri, NFSOC, intrbd with SLTST a/a
820-830	SLTST m-dkgy, dkgybn, sl-vsdy, calc, carb incl/lam, mhd, sbblky, incr sdy,
830-840	SH m-dkbn, occ ltgy, vslty, sl sdy, calc, carb incl/lam, mhd, sbblky, incr sdy, grdg to SLTST ip
840-850	SH and SLTST a/a
850-870	SS lt-mgy, wh, occ clr, occ trnsl, dns, slty, arg with wh cly flgs, carb frgs/incl, calc, vf-gn, m-wsrt, m-wcmt, sbang-ang, tr intrgn por, NFSOC
870-910	Pred SLTST ltgy, ltgygn, vsdy, carb, calc, frm, sbblky, intrbd with SH ltgy, vslty, calc, frm-mhd, sbblky-sbplty, grdg to SLTST
910-950	Pred SS wh, ltgy, occ clr, occ trnsl, dns, slty-arg, cly flgs, carb frgs/incl, calc, vf-fgn, wsrt, mcmt, sbang-ang, tr intrgn por, NFSOC
950-970	SS ltgy, wh, occ frst-trnsl, pred uncons qtz gn, vfgn, wsrt, m-pcmt, fri, sbang-ang, NFSOC, with intrbd SH ltgy, vslty, sl sdy, mhd-frm, sbblky-sbplty, grdg to SLTST ip
970-1000	SLTST m-dkbn, vsdy ip, calc, mhd, sbblky, grdg to vslty SS ip, intrbd with SS ltgy, wh, occ clr, trnsl, dns, vslty, arg, wh cly flgs, calc, carb frgs/incl, vfgn, wsrt, m-wcmt, sbang-ang, tr intrgn por, NFSOC
1000-1030	Pred SLTST ltgygn, ltgy, vsdy ip, calc, mhd-frm, sbblky, tr carb frgs, grdg to vslty SS ip, intrbd with LS ltbn, tn, buff, dns, microxln, hd, blk, arg no vis por
1030-1090	SLTST ltgngy, ltgy, vsdy, calc, mhd, tr carb frgs, sbblky, grdg to vslty SS ip
1090-1100	SS wh, clr, frst-trnsl, dns, arg, wh cly flgs, slty with shly incl, carb frgs/incl, f-mgn, m-wsrt, wcmt, sl calc, tr calc frac flgs, sbang-ang, tr intrgn por, NFSOC, intrbd with SLTST, vsdy ip, sl calc, mhd, sbblky
1100-1120	SS wh, clr, frst-trns, dns, arg-wh cly flgs, slty with occ shly incl, sl calc frac flgs, carb flgs/incl, f-occ mgn, m-wsrt ip, m-wcmt, pred sbang-amg, tr intrgn por
1120-1150	SLTST m-dkgy, dkgybn, vsdy with tr of intrbd SS ip, carb lam, sl calc, occ calc frac

DEPTH	LITHOLOGY
1150-1180	SH m-dkgy, slty, calc, mhd frm, sbblky, incr sdy, grdg to SLTST ip, with tr intrbd SS ltgy, wh, dns, slty, arg, cly flgs, carb incl, tr pyr, sl calc, with tr calc frac flgs, vf-fgn, m-wsrt, m-wcmt, sbang-ang, tr intrgn por, NFSOC
1180-1190	SS ltgy, wh, dns, slty, arg with cly flgs, carb incl, occ pyr incl, sl calc, vf-fgn, m-wsrt, m-wcmt, sbang-ang, tr intrgn por, NFSOC, occ intrbdd with SLTST vsdy ip
1190-1230	Pred SLTST ltgy, vsdy ip, calc, carb incl/lam, mhd frm, sbblky, grdg to vslty SS ip
1230-1250	SLTST a/a with SS ltgy, wh, dns, slty, arg, wh cly flgs, carb frgs/incl, sl calc, with tr calc frac flgs, vf-fgn, m-wsrt, m-wcmt, sbang-ang, tr intrgn por, tr frac por
1250-1300	Pred SLTST m-dkbn, dkgybn, vsdy ip, carb lam/incl, calc, with tr of calc-sil frac flgs, mhd frm, sbblky, incr sdy, intrbdd and grdg to vslty SS ip, SS ltgy, wh, occ clr, dns, vslty ip, arg with tr wh cly flgs, sl calc, tr calc frac flgs, carb incl, occ shly incl, vf-fgn, pred wsrt, wcmt ip, sbang-ang, tr intrgn por, NFSOC
1300-1360	Pred SLTST m-ltgy, m-ltbn, m-ltgybn, sl carb, sl calc, mhd frm, sbblky-sbplty, incr sdy, grdg to slty SS ip,
1360-1380	SLTST a/a with intrbd SS ltgy, wh, dns, slty, occ shly incl, arg with tr wh cly flgs, carb incl, sl calc, vf-fgn, wsrt, m-wcmt, sbang-ang,
1380-1410	Pred SH ltgy, ltgygn, occ lt-mbn, slty, calc, pos calc frac flgs, occ carb lam, mhd frm, sbblky, occ grdg to SLTST ip, incr sdy ip
1410-1440	SH a/a with SS wh, clr, frst-trnsl, dns, slty-arg, occ wh cly flgs, carb frgs/incl, sl calc, f-mgn, m-wsrt ip, mcmt, occ fri, sbang-ang, vp intrgn por, NFSOC
1440-1464	SH ltgy, ltgygn, occ lt-mbn, slty, calc, occ carb, with carb lam, tr coal, mhd frm, sbblky, occ grdg to SLTST ip
1464-1480	SS wh, clr, occ frst-trnsl, dns, slty, arg-tr wh cly flgs, carb frgs/incl, sl calc, f-mgn, m-wsrt, m-wcmt, occ fri, sbang-ang, tr intrgn por, NFSOC
1480-1516	Pred SH dkgybn, dkbn, frm, slty, sbblky, with carb/coal strks, grdg to SLTST ip
1516-1526	SS wh, ltgy, vf-fgn, sbang, occ sbrnd, msrt ip, mcmt, calc, with coal/carb frgs, occ incl, sl calc, tr intrgn por, NFSOC

DEPTH	LITHOLOGY
1526-1547	SH dkgy, dkbn, frm, slty, sbblky, carb, with occ carb/coal lam, occ grdg to SLTST ip
1547-1552	SS wh, ltgy, vf-fgn, sbang, occ sbrnd, m-wsrt, m-wcmt, sl calc, occ carb/coal incl, sl slty ip, occ arg, tr intrgn por
1552-1602	Pred SH dkgy, dkbn, tn, mgy, carb, slty, frm, sbblky-sbplty, intrbd with SS wh, fgn, occ wh cly flgs, sl slty, coal/carb incl/frgs, sbang-ang, wsrt, mcmt, occ fri, occ-tr intrgn por, NFSOC
1602-1620	SH gy bn, tn, dkbn, carb, slty, sl calc, frm-mhd, sbblky, occ grdg to SLTST ip
1620-1648	SH a/a with SS wh, ltgy, occ clr, occ trnsl, dns, slty, arg tr cly flgs, occ carb frgs, sl calc, vf-fgn, m-wsrt, m-wcmt, sbang-occ sbrnd, occ intrgn por, NFSOC
1648-1674	SH gy, bn, tn, dkbn, carb, sl calc, mhd-frm, sbblky-sbplty, occ grdg to SLTST
1674-1708	SS wh, ltgy, vf-fgn, m-psrt, wcmt ip, sbrnd-sbang, wh cly flgs, sl calc, with occ coal/carb incl/frgs, tr intrgn por, NFSOC
1708-1788	SH dkgy, blk, carb, with coal/carb lam, sbblky, frm-mhd, occ grdg to SLTST ip
1788-1800	SS clr, wh, vf-fgn, sbang-sbrnd, m-psrt ip, m-pcmt, fri, pred uncons qtz gn, occ carb frgs, poss intrgn por, NFSOC
1800-1870	Pred SH dkbn, blk, dkgy, gy, tn, sbblky, carb, sl calc, slty, occ sdy, frm, grdg to SLTST ip,
1870-1894	SH a/a
1894-1907	SS wh, occ clr, occ trnsl, dns, arg with wh cly flgs, fgn, wsrt, mcmt, occ fri, sbang, NFSOC
1907-2044	Pred SH a/a intrbd with occ strks of coal, and grdg to SLTST ip, m-dkgy, occ blk, carb ip, with coal/carb lam, sl calc, sbblky-sbplty,

DEPTH	LITHOLOGY
2044-2077	SS wh, clr, occ frst-trns, mdns ip, pred unconc qtz gn, vf-fgn, m-wsrt, pcmt, sbang-occ sbrnd, pos intrgn-frac por, NFSOC
2077-2120	SS a/a intrbd with SH m-dkgy, dkbn, blk, carb, occ carb/coal lam, mhd frm, sbblky-sbply, vsly ip, grdg to SLTST ip
2120-2150	SS and SH a/a
2150-2200	SH a/a with intrbd SS wh, occ ltgy, occ clr, dns, slty, shly incl, arg with wh cly flgs, carb frgs/incl, sl calc, vf-fgn, wsrt, m-wcmt, occ fri, sbang, tr intrgn por, tr mnrl fluor, no cut,
2200-2220	SH m-dkbn, m-dkgy, vsly, carb lam, mhd frm, sbply, grdg to SLTST ip,
2220-2233	SS wh, occ ltgy, dns, slty, arg, shly incl, wh cly flgs, carb incl, sl calc, vf-fgn, wsrt, m-wct, occ fri, sbang-ang, tr intrgn por, NFSOC
2233-2272	Pred SLTST m-dkbn, dkgybn, sl calc, carb, tr coal lam, frm-mhd, sbply-sbblky
2272-2278	SS wh, ltbn, dns, slty, arg with wh cly flgs, tr carb frgs, sl calc, vfgn, wsrt, mcmt, occ fri, sbang-ang, tr intrgn por, grdg to vsdy SLTST ip
2278-2336	SH ltgn, m-dkbn, carb, tr carb/coal lam, sl calc, mhd, sbblky-sbply, grdg to SLTST ip
2336-2356	SS wh, ltbn, dns, slty, arg-occ wh cly flgs, tr carb frgs, sl calc, tr calc frac flgs, vfgn, wsrt, m-wcmt, occ fri, no vis por, grdg to vsdy SLTST ip
2356-2364	SLTST m-dkbn, sl calc, occ carb, with occ carb/coal lam, sbblky, grdg to vsly SS ip
2364-2384	SS wh, ltgy, clr, occ trns, dns, slty, arg with cly flgs, abnt carb/coal frgs/incl, tr carb lam, sl calc, tr calc frac flgs, f-mgn, msrt, m-wcmt, sbang, pred ang, tr intrgn por, tr dul ylgid fluor, no cut
2384-2398	SH m-dkbn, vsly, abnt carb/coal lam, frm-mhd, sbply, grdg to SLTST ip
2398-2418	SS ltgy, wh, occ clr, trns, dns, slty, arg, wh cly flgs, tr calc frac, flgs, abnt carb frgs, f-mgn, msrt, wcmt ip, pred ang, tr intrgn por, tr vwk dul ylgid fluor, no cut

DEPTH	LITHOLOGY
2418-2454	SH m-dkbn, vslty, abnt carb/coal frgs, frm-mhd, sbptly, grdg to SLTST ip
2454-2460	SS ltgy, wh, clr, trnsl, dns, sl slty, arg, cly flgs, sl calc, fgn, wsrt, m-wcmt, ang-sbang, tr intrgn por,
2460-2472	SH m-dkbn, carb incl, sl calc, mhd, sbblky, grdg to SLTST ip
2472-2500	SS wh, ltgy, f-vfgn, p-fsrt, sbrnd-sbang, wcmt, arg with wh cly flgs, occ carb/coal incl/frgs, sl glauc, tr intrgn por, NFSOC
2500-2510	SS a/a
2510-2564	SH dkgy, dkbn, gy, blk, carb, frm-mhd, occ sft, sbblky, vslty ip, tr snd, with coal/carb lam, grdg to SLTST m-ltbn, vsdy ip, tr carb incl, mhd-frm, sbblky
2564-2590	Pred SS wh, ltbn, dns, sl slty, sl arg, occ pyr, shly incl, occ wh cly flgs, tr carb frgs/incl, sl calc, vfgn, wsrt, m-wcmt, no vis por, tr dul ylgld fluor, no cut
2590-2658	Pred SH lt-mbn, vslty, sl calc, mica, tr pyr, frm-mhd, sbplty, grdg to SLTST pred dkbn, sl sdy, sl calc, tr carb incl, mhd-frm, sbblky-sbplty
2658-2682	Pred SS ltgy, occ clr, occ wh, trnsl, dns, sl arg, tr wh cly flgs, occ shly incl, sl calc, f-mgn, msrt, m-wcmt, sbang-ang, tr-vp intrngn por, tr frac por, tr vwk dul ylgld, fluor, no cut
2682-2726	SLTST lt-mbn, gybn, occ dkgy, vsdy, calc, mhd-frm, tr carb incl, varg ip, sbblky-sbplty, grdg to vslty SH ip
2726-2756	SH dkbn, ltgngy, slty, carb, sl calc, frm, sbplty, grdg to SLTST ip, m-dkbn, gybn, vsdy ip, mhd-frm, sbblky-sbplty
2756-2808	Pred SLTST m-dkbn, bngy, vsdy ip, calc, occ carb, tr coal frgs, mhd-frm, sbblky, grdg to SH ip, vslty ip, sl carb, mhd, sbblky-sbplty, intrbd with SS lt-mbn, vslty, fgn, wsrt, wcmt, sl calc, sbang
2808-2848	Pred SH dkgy, dkgybn, ltgygn, vslty ip, sl calc, mhd, sbplty, grdg to SLTST ip, incr sdy, sbplty-sbblky
2848-2904	Pred SLTST dkgy, dkgybn, vsdy ip, calc, occ carb incl/lam, sbblky, grdg to SH mgy, lt-mgybn, vslty, sl calc, mhd, sbblky
2904-2918	SS ltgy, wh, clr, occ frst-trnsl, dns, occ wh cly flgs, shly incl, sl calc, f-vfgn, occ mgn, m-wsrt ip, m-wcmt, ang-sbang, tr intrgn por, tr wk dul ylgld fluor, no cut
2918-2944	SH m-bn, mbngy, vslty, tr snd, sl calc, mhd, sbblky, grdg to SLTST ip incr sdy
2944-2974	Pred SS ltgy, ltbn, occ clr, frst-trnsl, dns, shly incl, sl calc, tr calc frac flgs, vfgn, wsrt, wcmt, sbang-ang, tr intrgn por, NFSOC
2974-2980	SLTST lt-mbn, vsdy, occ carb, sl calc, mhd, sbblky, grdg to vslty SS ip

DEPTH	LITHOLOGY
2980-3044	Pred SH m-dkbn, occ ltbn, vslty, occ carb, sl slty, mhd, sbblky grdg to SLTST ip
3044-3082	Pred SLTST bn sbblky-sbplty, sdy, mhd, sl calc, intrbd with SS wh, fgn, wsrt, wcmnt ip, sbang-ang, vslty ip, no vis por
3082-3146	Pred SH m-dkbn, occ ltbn, vlsty ip, occ carb lam/incl, mhd, sbblky, grdg to SLTST ip, with occ intrbd SS ltbn, wh, ltgy, occ clr, vslty ip, carb incl, vf-fgn, m-wsrt, wcmnt, sbang
3146-3300	Pred SH dkbn, sft frm, carb, sl calc, carb, tr-occ carb lam, sbblky-sbplty, grdg to SLTST incr sdy ip
3300-3370	Pred SLTST m-ltbn, dkgybn, dkby, sl sdy, carb, sl calc, frm-mhd, sbblky-sbplty, intrbd with SH dkgy dkbn, sbblky-blky, carb, occ carb incl/lam, sl calc
3370-3400	Pred SH dkgy, dkbn, sbblky-blky, occ sbplty, vslty ip, carb, sl calc, occ carb lam/incl, intrbd with, SLTST ip, bn, dkgybn, dkgy, frm-mhd, occ sdy
3400-3510	Pred SH dkgy, dkbn, sbblky, vslty, sl sdy, sl calc, carb, intrbd with SLTST m-dkgy, dkbn, dkgybn, vsdy ip, carb, calc, mhd-frm, sbblky-sbplty, grdg to vslty SS ip dkbn, vfgn, wsrt, wcmnt, sbang, no vis por
3510-3600	Pred SH dkgybn, vslty, carb, tr carb lam, calc, mhd-frm, sbblky-sbplty, grdg to SLTST
3600-3700	Pred SLTST dkgybn, vsdy, carb lam, sl calc, mhd, sbblky, with occ intrbd SS dkbn, dns, vslty, carb incl, vfgn, wsrt, wcmnt, sbang, no vis por, with SH dkgy, dkgybn, vslty, carb, sl calc, mhd, sbblky-sbplty
3700-3744	SH m-ltgy, vslty, carb, sl calc, mhd, sbplty-sbblky, grdg to SLTST m-dkbn, dkgybn, vsdy ip, tr carb/coal lam/incl, mhd, sbblky, intrbdd with SS lt-mgy, ltbn, occ clr, dns, vslty, carb incl, sl calc, vfgn, wsrt, wcmnt, sbang, no vis por
3744-3748	SS mgy, mgybn, dns, vslty, carb and shly incl, sl calc, arg with occ wh cly flgs, fgn, wsrt, wcmnt, sbang, tr intrgn por, NFSOC
3748-3790	Pred SH dkgy, vslty, calc, carb incl, tr carb lam, mhd-frm, sbblky, grdg to SLTST m-dkbn, dkgybn, vsdy ip, sl calc, carb, mhd-frm, sbblky-sbplty, with occ intrbdd SS lt-mgybn, dns, vslty, sl calc, carb incl, vfgn, wsrt, wcmnt, sbang, no vis por
3790-3830	Pred SLTST m-dkbn, dkgybn, vsdy, sl calc, carb, with tr coal frgs, mhd, sbblky intrbdd with SS lt-mgy, vslty, dns, occ shly incl, arg with tr wh cly flgs, tr glauc, sl calc, vfgn, wsrt, wcmnt, sbang, no vis por
3830-3900	Pred SLTST m-ltbn, occ dkbn, vsdy ip, sl calc, frm-mhd, sbblky, intrbdd with thin SS lt-mgy, dns, vslty, occ shly incl, sl calc, tr wh cly flgs, tr glauc, f-vfgn, wsrt, wcmnt, sbang, tr intrgn por, NFSOC
3900-3930	Pred SS wh, ltgy, occ wh, dns, slty, arg occ cly flgs, vf-fgn, wsrt ip, wcmnt, sl calc,

DEPTH	LITHOLOGY
3930-3996	Pred SLTST m-dkgy, vsdy ip, sl calc, mhd-frm, sbblky, intrbdd with SH lt-mgy, vslty, hd, calc, sbply occ SS strngs, ltgy, dns, slty, sl calc, fgn, wsrt, wcmnt, sbang, no vis por
3996-4020	Pred SLTST m-dkgy, occ dkgybn, vsdy, sl calc, carb, carb, with thin interbedding of SS ltgy, clr, dns, slty, carb incl/tr bedding, vfgn, wsrt, wcmnt, sil-sl calc, sbang-ang, tr intrgn por, pos frac por
4020-4040	Pred SLTST with very interbedding of SS ltgy, wh, clr, occ frst-trnsl, dns, sl slty, carb incl, sil-sl calc frac flgs, vf-fgn, wsrt, wcmnt, sbang-ang, pos intrgn-frac por
4040-4060	Very thin interbedding of SS pred clr, frst-trnsl, occ ltgy, occ wh, dns, slty, sil-sl calc frac flgs, occ carb incl/bedding, arg with wh cly flgs, mica, tr glauc, vf-fgn, wsrt, wcmnt, sbang-ang, tr intrgn por, pos frac por, interbedded with SLTST lt-mgy, mgybn, mhd, vsdy ip, sl calc frac flgs, with occ SH mgy, mgybn, sl calc, sil frac flgs, vslty ip,
4060-4080	Pred SLTST lt-mgy, lt-mgybn, mhd, vsdy ip, tr calc/sil frac flgs, with thin interbedding of SS lt-mbn, vslty, sl calc, tr calc-sil frac flgs, tr cly flgs, vfgn, wsrt, wcmnt, sbang-ang, tr intrgn por, with pos frac por
4080-4100	SH dkgy, dkbn, dkgybn, vslty, sl sdy, with sil-tr calc frac flgs, carb, grdg to SLTST incr sdy, with very thin interbedded SS ltgy, wh, clr, frst-trnsl, dns, vslty ip, arg with tr wh cly flgs, tr calc frac flgs, tr carb incl, vfgn, wsrt, wcmnt, sbang-ang, tr intrgn and frac por
4100-4120	Pred SH m-dkgy, occ ltgy, occ ltgybn, vslty, with very thin interbedded SS clr, trnsl, occ wh, ltgy, dns, slty, arg with wh cly flgs, tr carb frgs, vf-fgn, wsrt, wcmnt, sbang, tr calc-sil frac flgs, tr intrgn to sl frac por
4120-4140	Pred SLTST m-dkbn, m-ltgy, vsdy, with very thin interbedded SH and SS, SS ltgy, wh, clr, trnsl, dns, vslty, arg with occ wh cly flgs, carb frgs, sil-sl calc frac flgs, vfgn, wsrt, wcmnt, sbang-ang, with pos intrgn to tr frac flgs por
4140-4160	SLTST m-ltgy, gybn, ltgy, vsdy, tr sil frac flgs, sl calc, sl carb, grdg to vslty SS ip, vfgn, wsrt, wcmnt, sbang-ang, occ wh cly flgs, carb frgs/incl, sil-sl calc frac flgs,
4160-4180	Pred SH dkgy, blk, occ dkgybn, vslty, carb, tr calc frac flgs, with very thin interbedded SLTST ltgy, ltgybn, ltn, vsdy ip, tr carb incl, sl calc, grdg to SS ip, lt-mgy, dns, vslty, tr carb frgs, sl calc frac flgs, vfgn, wsrt, wcmnt, sbang-ang, pos intrgn or frac pos
4180-4200	Pred SH m-dkgy, dkgybn, ltgybn, vslty, carb, sl calc, with very thin intrbd SS lt-mgy, dns, slty, carb incl, arg with wh cly flgs, vfgn, wsrt, wcmnt, sbang-ang, tr intrgn por, sil-sl calc frac flgs, grdg to vsdy SLTST
4200-4220	SH m-dkgy, blk slty, tr coal/carb frgs/incl, sl calc along with SS intrbdd grdg to SLTST incr sdy, very thin intrbdd SS ltgy, trnsl, off wh, vfgn, vslty, arg, hd, sil-sil calc frac flgs, wsrt, wcmnt, sbang-ang, tr intrgn por, pos frac por, grdg to SLTST
4220-4245	Pred SH m-dkgy, frm, slty, carb, tr coal incl/lam, sl calc, with very thin intrbdd SS

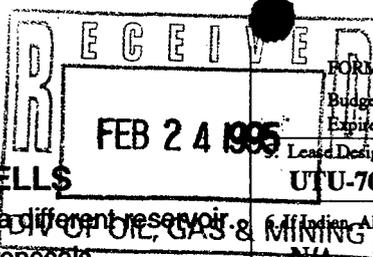
DEPTH	LITHOLOGY
4283-4320	Pred SH dkgy, occ mgy, occ blk, vsly ip, carb, calc, hd, tr carb frgs/lam, tr pyr frac flgs, calc frac flgs ip, with sl incr of very thin intrbdd SS ltgy, clr, wh, occ frst-trnsl, dns, slty, tr cly flgs, sl calc, tr frac flgs sil-calc, vfgn, wsrt, wcmnt, hd, sbang-ang, tr glauc, tr carb frgs/incl, tr intrgn por, pos frac por
4320-4340	Pred SH m-dkgy, occ blk, frm-mhd, slty, carb lam/frgs, sl calc, grdg to SLTST incr sdy ip, with very thin intrbdd SS ltgy, wh, dns, slty-arg, with occ cly flgs, vfgn, wsrt, wcmnt, hd, sl calc mtx, sbang-ang, tr intrgn por, incr slty, grdg to vsdy SLTST
4340-4365	Pred SLTST ltgy, hd, vsdy carb, calc frac flgs, grdg to vsly SS pred dkgy occ ltgy, dns, vsly occ cly flgs, carb frgs/incl, tr carb lam, sl calc-sil mtx, tr frac flgs, occ shly incl, vfgn, wsrt, wcmnt, hd, sbang-ang, tr intrgn por
4365-4387	NO CORE OR SAMPLES RECOVERED CORE JAMMED
4387-4401	SH dkgy, blk, gyblk, carb, with tr carb/coal lam, tr calc frac flgs, vsly ip, hd, grdg to SLTST ip
4401-4449	NO SAMPLES OR CORE RECOVERED
4449-4554	Pred SH m-dkgy, sbblky occ sbplty, frm-mhd, slty carb frgs/occ lam, grdg to SLTST ip, ltgy, incr, sdy, hd tr carb frgs, with occ very thin intrbdd SS clr, trnsl, vfgn, sbang-ang, wsrt, wcmnt, hd, sil to sl calc frac flgs, tr carb frgs, tr intrgn por

# FORMATION TOPS

OPERATOR: TRINITY PETROLEUM EXPLORATION INC  
WELL NAME: DAVIS CANYON 42-12-13-25

FORMATION NAME	CONTROL	SAMPLE	E-LOG	DATUM
KELLY BUSHING		6342	6342	0
SEGO		2652	2648	3694
UPPER CASTLEGATE		2904	2889	3453
LOWER CASTLEGATE		3056	3010	3332
MANCOS		3142	3142	3200
MANCOS "B"		4038	4020	2322
BASE MANCOS "B'		4382	4381	1961

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

Lease Designation and Serial No.  
**UTU-70247**  
Indian, Allottee or Tribe Name  
**N/A**

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator **303/294-9942 1801 Broadway, Suite 640**  
**Trinity Petroleum Exploration, Inc. Denver, CO 80202**

3. Address and Telephone No. **303/452-8888 13585 Jackson Drive**  
**PERMITCO INC. - Agent Denver, CO 80241**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1987' FNL and 655' FEL**  
**SE NE Sec. 12, T13S - R25E**

7. If Unit or CA, Agreement Designation  
**N/A**

8. Well Name and No.  
**Davis Canyon #42-12-13-25**

9. API Well No.  
**43-047-32618**

10. Field and Pool, or Exploratory Area  
**Wildcat**

11. County or Parish, State

**Uintah County, Utah**

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other **Change of Operator**  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please be advised that effective February 28, 1995, Trinity Petroleum Exploration, Inc. will turn over operations of the subject well to Amoco Production Company.

All future correspondence pertaining to this well should be sent to Amoco at the following address:

**Amoco Production Company**  
**1670 Broadway**  
**P.O. Box 800**  
**Denver, CO 80201**  
**Attn: Julie Acevedo**  
**303/830-6003**

If you should have any questions, please contact Mr. Reginald S.Y. Lee, President - Trinity Petroleum Exploration, Inc. at 303/294-9942.

cc: 3 - BLM - Vernal, Utah  
2 - Utah Div. of Oil, Gas & Mining - SLC, UT  
1 - Trinity Petroleum Exploration, Inc. - Denver, CO  
1 - Amoco Production Company - Denver, CO

14. I hereby certify that the foregoing is true and correct

Consultant for:

Signed *[Signature]*

Title **Trinity Petroleum Exploration, Inc.**

Date **02/20/95**

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

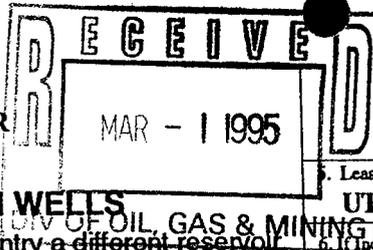
Date \_\_\_\_\_

Conditions of approval, if any:

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.

**\*See Instruction on Reverse Side**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**UU-70247**  
6. If Indian, Allottee or Tribe Name  
N/A

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other  
 2. Name of Operator **303/830-6003 1670 Broadway, P.O. Box 800**  
**Amoco Production Company Denver, CO 80201**  
 3. Address and Telephone No. **303/452-8888 13585 Jackson Drive**  
**PERMITCO INC. - Agent Denver, CO 80241**  
 4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1987' FNL and 655' FEL**  
**SE NE Sec. 12, T13S - R25E**

7. If Unit or CA, Agreement Designation  
N/A  
 8. Well Name and No.  
**Davis Canyon #42-12-13-25**  
 9. API Well No.  
**43-047-32618**  
 10. Field and Pool, or Exploratory Area  
**Wildcat**  
 11. County or Parish, State  
**Uintah County, Utah**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Change of Operator</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please be advised that effective February 28, 1995, Amoco Production Company will take over operations of the subject well.

Amoco Production Company agrees to be responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by Bond No. 35583. The principal is Amoco Production Company via surety consent as provided for in 43 CFR 3104.2.

It is understood that the BLM will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2, continuing responsibility are met.

All future correspondence pertaining to this well should be directed to: Amoco Production Company, 1670 Broadway, P.O. Box 800, Denver, CO 80201, Attn: Julie Acevedo, 303/830-6003.

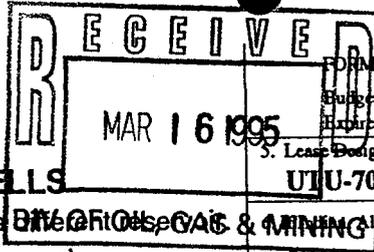
- cc: 3 - BLM - Vernal, Utah  
 2 - Utah Div. of Oil, Gas & Mining - SLC, UT  
 1 - Trinity Petroleum Exploration, Inc. - Denver, CO  
 1 - Amoco Production Company - Denver, CO

14. I hereby certify that the foregoing is true and correct  
 Signed Julie Acevedo Title Sr. Staff Assistant Date 2-27-95  
 (This space for Federal or State office use)  
 Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

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.

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT



FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a well or for proposals to  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**UTU-70247**

6. Offshore or Tribe Name  
**N/A**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator **303/830-6003 1670 Broadway, P.O. Box 800**  
**Amoco Production Company Denver, CO 80201**

3. Address and Telephone No. **303/452-8888 13585 Jackson Drive**  
**PERMITCO INC. - Agent Denver, CO 80241**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1987' FNL and 655' FEL**  
**SE NE Sec. 12, T13S - R25E**

7. If Unit or CA, Agreement Designation  
**N/A**

8. Well Name and No.  
**Davis Canyon #42-12-13-25**

9. API Well No.  
**43-047-32618**

10. Field and Pool, or Exploratory Area  
**Wildcat**

11. County or Parish, State  
**Uintah County, Utah**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>Change of Operator</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Bond coverage for this well is provided by Bond No. 35583. The principal is Amoco Production Company via surety consent as provided for in 43 CFR 3104.2.

It is understood that the BLM will hold the aforementioned operator and bond liable until the provisions of 43 CFR 3106.7-2, continuing responsibility are met.

All future correspondence pertaining to this well should be directed to: Amoco Production Company, 1670 Broadway, P.O. Box 800, Denver, CO 80201, Attn: Julie Acevedo, 303/830-6003.

- cc: 3 - BLM - Vernal, Utah  
 2 - Utah Div. of Oil, Gas & Mining - SLC, UT  
 1 - Trinity Petroleum Exploration, Inc. - Denver, CO  
 1 - Amoco Production Company - Denver, CO

14. I hereby certify that the foregoing is true and correct  
 Signed Julie Acevedo Title **Amoco Production Company Sr. Staff Assistant** Date 2-27-95

(This space for Federal or State office use)  
 Approved by **HOWARD B. CLEAVINGER II** Title **REGIONAL DISTRICT MANAGER** Date **MAR 14 1995**  
 Conditions of approval, if any:

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.

**\*See Instruction on Reverse Side**

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1- <del>WLC</del>
2-LWP 7-PL
3- <del>DEB</del> 8-SJ ✓
4-VLC 9-SILE
5-RJF ✓
6-LWP ✓

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 2-28-95)

TO (new operator)	<u>AMOCO PRODUCTION COMPANY</u>	FROM (former operator)	<u>TRINITY PETRO EXPLOR INC</u>
(address)	<u>1670 BROADWAY</u>	(address)	<u>1801 BROADWAY STE 640</u>
	<u>PO BOX 800</u>		<u>DENVER CO 80202</u>
	<u>DENVER CO 80201</u>		
	phone <u>( 303 ) 830-6003</u>		phone <u>(303 )294-9942</u>
	account no. <u>N 0050</u>		account no. <u>N5145</u>

Well(s) (attach additional page if needed):

Name: <b>** SEE ATTACHED **</b>	API: <u>047-32618</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-24-95)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 3-1-95)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: # 024135.
- See 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(3-16-95)*
- See 6. Cardex file has been updated for each well listed above. *2-20-95*
- See 7. Well file labels have been updated for each well listed above. *2-20-95*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(3-16-95)*
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (~~Fee wells only~~) *\*Trust Lands / Amato Surety # 86-17-18 / 25,000 "Seahound Surety Co."*

- Yes* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A* 2. A copy of this form has been placed in the new and former operators' bond files.
- N/A* 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DT* 2. Copies of documents have been sent to State Lands for changes involving State leases. *3/21/95 to Ed Bonner*

FILMING

*KDR* 1. All attachments to this form have been microfilmed. Date: OCTOBER 16 1996.

FILING

- 1. Copies of all attachments to this form have been filed in each well file.
- 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

*950314 Amato / Julie Acivedo "Confirmed mailing address for mo. prod. rpts."*

*950316 BLM / Vernal Apr. 3-14-95 aff. 2-28-95.*



**CORE LABORATORIES**

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**CORE ANALYSIS RESULTS**

**for**

**Amoco Production Company**

**Davis Canyon 42-12-13-25**

**Davis Canyon Field**

**Uintah Co., Utah**

**57122-7932**



## PETROLEUM SERVICES

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April 5, 1995

Mr. Tom Feldkamp  
Amoco Production Company  
P.O. Box 800  
Denver, CO 80202

*Subject:*

*Core Analysis Project  
Davis Canyon 42-12-13-25  
Davis Canyon Field  
Uintah Co., Utah  
File Number: 57122-7932*

Dear Mr. Feldkamp:

Core Laboratories was requested to retrieve and analyze core material obtained from the subject well. The following tests were performed and the results are presented in a tabular and graphical format within this report:

1. Full Diameter Analysis
2. Total Gamma

Thank you for the opportunity to perform this study for Amoco. Should you have any questions pertaining to these test results or if we may be of further assistance, please contact us at (307) 265-2731.

Very truly yours,

David A. Foster  
Core Laboratories

# CORE LABORATORIES

Company : Amoco Production Company  
 Well : Davis Canyon 42-12-13-25  
 Location : SE NE Sec. 12 T13S R25E  
 Co,State : Uintah, Utah

Field : Davis Canyon  
 Formation : Mancos "B"  
 Coring Fluid : Air Mist  
 Elevation : 6326 GL

File No.: 57122-7932  
 Date : 10-Mar-1995  
 API No. :  
 Analysts: DF SS

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md		(PORE VOLUME) OIL %	WATER %		
Core No.1 3995.0-4055.0 Cut 60.0' Rec. 60.0'								
1P	3995.0- 96.0			4.9	12.8	65.7	2.68	Sst gry vf gr sh lam
2	3996.0- 97.0	0.75	0.59	3.2	1.9	62.3	2.63	Sst gry vf gr sh lam
3	3997.0- 98.0	2.03	0.78	3.6	20.8	49.9	2.63	Sst gry vf gr sh lam
4	3998.0- 99.0	1.64	0.35	3.3	11.0	75.1	2.63	Sst gry vf gr sh lam
5P	3999.0- 00.0			5.2	3.5	62.2	2.68	Sst gry vf gr sh lam
6	4000.0- 01.0	1.06	0.56	1.9	22.5	63.0	2.67	Sst gry vf gr sh lam
7	4001.0- 02.0	1.80	1.69	3.2	10.2	65.1	2.63	Sst gry vf gr sh lam
8	4002.0- 03.0	3.69	3.32	1.6	16.2	64.7	2.59	Sst gry vf gr sh lam
9	4003.0- 04.0	0.71	0.31	3.2	22.1	53.1	2.63	Sst gry vf gr sh lam
10	4004.0- 05.0	2.60	0.66	3.7	12.5	69.8	2.65	Sst gry vf gr sh lam
11	4005.0- 06.0	0.49	0.28	3.1	17.9	50.1	2.64	Sst gry vf gr sh lam
12	4006.0- 07.0	5.76	5.38	4.0	14.1	73.5	2.68	Sst gry vf gr sh lam
13P	4007.0- 08.0	1.07		4.4	18.0	71.8	2.68	Sst gry vf gr sh lam
14	4008.0- 09.0	14.9	7.84	4.4	11.9	76.2	2.66	Sst gry vf gr sh lam
15	4009.0- 10.0	12.0	7.22	4.3	4.3	34.6	2.65	Sst gry vf gr sh lam
16	4010.0- 11.0	6.36	4.16	4.2	0.0	35.6	2.64	Sst gry vf gr sh lam
17	4011.0- 12.0	1.46	1.02	4.3	14.5	66.2	2.64	Sst gry vf gr sh lam
18	4012.0- 13.0	3.23	0.87	4.7	16.4	65.6	2.67	Sst gry vf gr sh lam
19	4013.0- 14.0	2.70	0.48	4.2	13.4	76.0	2.65	Sst gry vf gr sh lam
20	4014.0- 15.0	1.62	0.87	2.9	6.0	39.8	2.72	Sst gry vf gr sh lam
21	4015.0- 16.0	8.77	2.28	5.7	1.4	64.1	2.65	Sst gry vf gr sh lam
22	4016.0- 17.0	5.00	5.00	7.2	3.3	36.1	2.67	Sst gry vf gr sh lam
23	4017.0- 18.0	14.7	10.6	7.0	0.0	31.1	2.66	Sst gry vf gr sh lam frac

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md		(PORE VOLUME) OIL %	WATER %		
24	4018.0- 19.0	6.79	1.13	6.8	0.4	67.3	2.65	Sst gry vf gr sh lam
25	4019.0- 20.0	27.4	4.69	6.7	1.3	84.0	2.67	Sst gry vf gr sh lam frac
26	4020.0- 21.0			8.2	5.9	52.7	2.68	Sst gry vf gr sh lam
27	4021.0- 22.0	3.78	3.42	7.4	1.4	27.5	2.69	Sst gry vf gr sh lam
28	4022.0- 23.0	7.90	4.16	8.4	7.7	36.5	2.67	Sst gry vf gr sh lam
29	4023.0- 24.0	10.6	9.88	10.1	5.2	43.4	2.68	Sst gry vf gr sh lam
30	4024.0- 25.0	15.0	8.87	8.3	6.8	34.9	2.69	Sst gry vf gr sh lam
31	4025.0- 26.0	5.59	4.84	9.4	7.1	17.0	2.66	Sst gry vf gr sh lam
32	4026.0- 27.0	6.54	5.03	8.8	1.7	16.7	2.66	Sst gry vf gr sh lam
33	4027.0- 28.0	8.22	8.16	8.2	2.4	28.7	2.66	Sst gry vf gr sh lam
34	4028.0- 29.0	3.02	2.61	6.4	7.3	58.2	2.65	Sst gry vf gr sh lam
35	4029.0- 30.0	5.81	2.49	7.1	1.1	14.3	2.65	Sst gry vf gr sh lam
36	4030.0- 31.0	24.6	24.5	6.7	10.2	52.3	2.65	Sst gry vf gr sh lam
37	4031.0- 32.0			2.9	1.9	75.1	2.70	Sst gry vf gr sh lam frac
38	4032.0- 33.0	0.83	0.61	5.5	6.7	56.5	2.67	Sst gry vf gr sh lam
39	4033.0- 34.0	2.50	2.46	6.9	1.6	48.8	2.65	Sst gry vf gr sh lam
40	4034.0- 35.0	8.90	6.10	8.1	4.9	56.8	2.67	Sst gry vf gr sh lam
41	4035.0- 36.0	3.70	3.16	9.4	7.4	74.3	2.67	Sst gry vf gr sh lam
42	4036.0- 37.0	7.19	6.96	9.0	1.3	45.7	2.68	Sst gry vf gr sh lam
43	4037.0- 38.0	51.8	26.2	8.1	0.8	42.6	2.68	Sst gry vf gr sh lam calc
44	4038.0- 39.0	1.69	0.96	5.2	4.8	49.5	2.71	Sst gry vf gr sh lam calc
45	4039.0- 40.0	14.8	8.95	5.9	1.3	73.7	2.70	Sst gry vf gr sh lam calc
46P	4040.0- 41.0	0.70		5.4	4.3	71.4	2.68	Sst gry vf gr sh lam calc
47	4041.0- 42.0	2.39	1.64	6.4	4.7	76.0	2.69	Sst gry vf gr sh lam calc
48	4042.0- 43.0	1.16	0.77	5.9	7.1	73.6	2.69	Sst gry vf gr sh lam calc
49	4043.0- 44.0	3.93	2.47	5.9	1.8	66.4	2.69	Sst gry vf gr sh lam calc
50	4044.0- 45.0	6.50	1.95	5.3	7.6	64.1	2.67	Sst gry vf gr sh lam calc

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md		(PORE VOLUME) OIL %	WATER %		
Core No.2 4055.0-4115.0 Cut 60.0' Rec. 60.0'								
51	4045.0- 46.0	2.52	2.52	5.1	1.4	70.8	2.66	Sst gry vf gr sh lam
52	4046.0- 47.0	5.94	1.29	5.1	1.8	81.4	2.68	Sst gry vf gr sh lam
53	4047.0- 48.0	5.99	3.72	4.2	9.6	65.6	2.68	Sst gry vf gr sh lam
54	4048.0- 49.0	8.86	1.69	5.4	7.9	76.0	2.69	Sst gry vf gr sh lam
55P	4049.0- 50.0			4.2	7.1	79.4	2.67	Sst gry vf gr sh lam
56	4050.0- 51.0	9.78	9.16	4.8	6.6	74.5	2.67	Sst gry vf gr sh lam
57	4051.0- 52.0	113.	72.5	4.9	7.8	73.2	2.66	Sst gry vf gr sh lam frac
58	4052.0- 53.0	1.68	1.47	4.1	8.5	77.9	2.65	Sst gry vf gr sh lam
59	4053.0- 54.0	15.6		3.8	9.0	72.1	2.69	Sst gry vf gr sh lam frac
60	4054.0- 55.0	2.74	0.57	4.0	8.3	79.9	2.66	Sst gry vf gr sh lam
61	4055.0- 56.0	38.8	19.4	5.4	9.4	75.4	2.68	Sst gry vf gr sh lam
62	4056.0- 57.0	39.9	38.4	4.7	5.7	83.3	2.66	Sst gry vf gr sh lam
	4057.0- 58.0							Not Suitable for Analysis
63P	4058.0- 59.0			4.5	5.2	58.5	2.65	Sst gry vf gr sh lam
64	4059.0- 60.0	150.	61.0	4.6	6.4	81.2	2.65	Sst gry vf gr sh lam frac
65P	4060.0- 61.0			2.8	10.0	72.3	2.63	Sst gry vf gr sh lam
	4061.0- 63.0							Not Suitable for Analysis
66P	4063.0- 64.0			3.2	6.1	73.6	2.63	Sst gry vf gr sh lam
	4064.0- 78.0							Not Suitable for Analysis
67P	4078.0- 79.0			1.9	8.6	74.6	2.74	Sst gry vf gr sh lam calc
68P	4079.0- 80.0			3.3	7.1	62.5	2.69	Sst gry vf gr sh lam calc
69P	4080.0- 81.0			4.3	9.3	59.6	2.66	Sst gry vf gr sh lam
70P	4081.0- 82.0			8.7	8.6	68.7	2.68	Sst gry vf gr sh lam calc
71P	4082.0- 83.0			7.9	2.4	33.2	2.68	Sst gry vf gr sh lam calc
72P	4083.0- 84.0			6.8	0.0	47.3	2.68	Sst gry vf gr sh lam calc
73P	4084.0- 85.0			5.1	0.0	57.8	2.73	Sst gry vf gr sh lam calc
74	4085.0- 86.0	7.86	7.01	4.5	2.7	48.6	2.71	Sst gry vf gr sh lam calc

## CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

### CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md		(PORE VOLUME) OIL %	WATER %		
75	4086.0- 87.0	39.2	31.5	6.3	1.8	68.5	2.68	Sst gry vf gr sh lam frac
76	4087.0- 88.0	37.5	18.0	5.9	7.3	67.2	2.68	Sst gry vf gr sh lam calc
77	4088.0- 89.0	4.84	3.17	6.1	7.7	74.0	2.69	Sst gry vf gr sh lam calc
78	4089.0- 90.0	15.2	14.9	6.0	6.9	65.9	2.67	Sst gry vf gr sh lam
79	4090.0- 91.0	4.53	4.20	4.6	2.1	81.4	2.68	Sst gry vf gr sh lam
80	4091.0- 92.0	4.76	4.30	3.5	15.0	29.9	2.65	Sst gry vf gr sh lam
81	4092.0- 93.0	9.15	5.32	4.3	2.3	69.5	2.66	Sst gry vf gr sh lam
82P	4093.0- 94.0			5.3	0.8	85.9	2.69	Sst gry vf gr sh lam calc
83P	4094.0- 95.0			4.8	12.1	62.8	2.66	Sst gry vf gr sh lam
84P	4095.0- 96.0			5.3	1.8	70.1	2.70	Sst gry vf gr sh lam calc
85	4096.0- 97.0	32.7	18.0	4.3	5.7	76.7	2.65	Sst gry vf gr sh lam
86	4097.0- 98.0	37.2	33.4	3.4	5.4	64.6	2.66	Sst gry vf gr sh lam
87	4098.0- 99.0	32.5	11.9	3.5	2.4	68.2	2.66	Sst gry vf gr sh lam
88P	4099.0- 00.0			4.6	5.4	72.1	2.66	Sst gry vf gr sh lam
	4100.0- 01.0							Not Suitable for Analysis
	4100.0- 01.0							Not Suitable for Analysis
89	4101.0- 02.0	22.2	21.5	5.6	2.1	68.1	2.67	Sst gry vf gr sh lam
90P	4102.0- 03.0			5.6	2.1	67.5	2.69	Sst gry vf gr sh lam calc
91	4103.0- 04.0	36.4	32.1	5.2	1.3	57.6	2.70	Sst gry vf gr sh lam frac calc
92P	4104.0- 05.0			5.1	2.1	41.8	2.69	Sst gry vf gr sh lam calc
	4105.0- 06.0							Not Suitable for Analysis
93P	4106.0- 07.0			4.7	5.6	67.6	2.68	Sst gry vf gr sh lam
94	4107.0- 08.0	19.5	5.76	5.9	2.3	68.4	2.78	Sst gry vf gr sh lam calc
95	4108.0- 09.0	6.29	3.66	5.3	2.7	70.7	2.69	Sst gry vf gr sh lam calc
96	4109.0- 10.0	19.8	16.2	5.0	2.3	75.1	2.69	Sst gry vf gr sh lam calc
97	4110.0- 11.0	7.99	4.56	4.9	7.7	76.6	2.72	Sst gry vf gr sh lam calc
98	4111.0- 12.0			5.0	8.2	78.3	2.70	Sst gry vf gr sh lam calc
99	4112.0- 13.0	17.5	10.9	4.5	9.0	72.1	2.71	Sst gry vf gr sh lam calc
100	4113.0- 14.0	7.60	3.98	5.0	8.3	79.7	2.69	Sst gry vf gr sh lam calc

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md		(PORE VOLUME) OIL %	WATER %		
101	4114.0- 15.0	2.81	1.56	5.6	8.5	68.3	2.73	Sst gry vf gr sh lam calc
Core No.3 4115.0-4129.0 Cut 14.0' Rec. 8.0'								
102	4115.0- 16.0	8.59	2.18	4.4	11.2	78.4	2.69	Sst gry vf gr sh lam calc
103	4116.0- 17.0	20.8	14.5	4.7	8.7	76.3	2.68	Sst gry vf gr sh lam calc
104P	4117.0- 18.0			5.8	6.7	82.7	2.69	Sst gry vf gr sh lam calc
105P	4118.0- 19.0			4.3	8.2	82.5	2.67	Sst gry vf gr sh lam calc
106P	4119.0- 20.0			5.9	8.1	76.0	2.67	Sst gry vf gr sh lam calc
107	4120.0- 21.0	6.05	1.48	5.8	7.6	79.1	2.69	Sst gry vf gr sh lam calc
108	4121.0- 22.0	27.4	26.9	6.4	7.2	72.5	2.69	Sst gry vf gr sh lam calc
109	4122.0- 23.0	5.38	5.38	6.2	4.9	71.5	2.69	Sst gry vf gr sh lam calc
	4123.0- 29.0							Core Loss
Core No.4 4129.0-4189.0 Cut 60.0' Rec. 60.0'								
110P	4129.0- 30.0			7.1	9.3	80.7	2.68	Sst gry vf gr sh lam calc
111	4130.0- 31.0	24.8	22.3	7.1	0.0	72.8	2.69	Sst gry vf gr sh lam calc
112	4131.0- 32.0	26.3	25.2	2.9	0.0	64.7	2.75	Sst gry vf gr sh lam frac calc
113	4132.0- 33.0	6.09	4.61	5.7	0.0	74.8	2.67	Sst gry vf gr sh lam
114	4133.0- 34.0	3.15	2.91	4.9	7.1	81.9	2.66	Sst gry vf gr sh lam
115	4134.0- 35.0	1.13	0.31	5.3	4.0	72.6	2.68	Sst gry vf gr sh lam calc
116	4135.0- 36.0	0.63	0.23	6.1	1.3	69.1	2.68	Sst gry vf gr sh lam calc
117	4136.0- 37.0	15.8	11.8	6.9	1.4	74.2	2.70	Sst gry vf gr sh lam calc
118	4137.0- 38.0	0.66	0.36	3.4	1.8	92.2	2.72	Sst gry vf gr sh lam calc
119	4138.0- 39.0	9.63	9.11	6.1	5.5	81.0	2.70	Sst gry vf gr sh lam calc
120P	4139.0- 40.0	1.54		7.8	0.6	74.2	2.70	Sst gry vf gr sh lam calc
121P	4140.0- 41.0			9.2	0.6	69.5	2.70	Sst gry vf gr sh lam calc
122	4141.0- 42.0	18.7	11.8	6.0	4.1	77.4	2.67	Sst gry vf gr sh lam calc

Data, Full Diameter 1 - 5

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md		(PORE VOLUME) OIL %	WATER %		
123	4142.0- 43.0	2.70	1.16	5.7	4.0	77.6	2.69	Sst gry vf gr sh lam calc
124	4143.0- 44.0	10.0	8.82	6.3	0.0	79.9	2.70	Sst gry vf gr sh lam calc
125	4144.0- 45.0	16.3	3.29	6.2	1.4	80.9	2.69	Sst gry vf gr sh lam calc
126	4145.0- 46.0	22.6	11.5	6.8	7.6	75.8	2.70	Sst gry vf gr sh lam calc
127	4146.0- 47.0	2.96	0.48	5.4	8.3	76.8	2.68	Sst gry vf gr sh lam calc
128	4147.0- 48.0	1.68	0.81	6.4	4.7	74.5	2.70	Sst gry vf gr sh lam calc
129	4148.0- 49.0	3.69	2.69	6.5	2.7	58.6	2.71	Sst gry vf gr sh lam calc
130	4149.0- 50.0	17.5	16.0	6.6	1.8	57.9	2.70	Sst gry vf gr sh lam calc
131	4150.0- 51.0	5.13	1.36	6.1	2.3	70.0	2.69	Sst gry vf gr sh lam calc
132	4151.0- 52.0	7.16	0.94	6.8	0.0	47.3	2.70	Sst gry vf gr sh lam calc
133	4152.0- 53.0	11.4	4.78	6.5	8.7	76.2	2.70	Sst gry vf gr sh lam calc
134	4153.0- 54.0	1.07	1.01	6.0	1.6	75.1	2.69	Sst gry vf gr sh lam calc
135	4154.0- 55.0	1.62	1.02	6.5	1.0	75.1	2.70	Sst gry vf gr sh lam calc
136	4155.0- 56.0	1.07	0.19	5.4	4.2	75.8	2.71	Sst gry vf gr sh lam calc
137	4156.0- 57.0	15.2	5.74	6.0	6.2	83.3	2.69	Sst gry vf gr sh lam calc
138	4157.0- 58.0	0.86	0.32	7.3	2.3	79.6	2.72	Sst gry vf gr sh lam calc
139	4158.0- 59.0	4.65	3.26	6.9	0.7	64.9	2.70	Sst gry vf gr sh lam calc
140	4159.0- 60.0	18.4	5.44	7.4	0.0	65.7	2.70	Sst gry vf gr sh lam calc
141	4160.0- 61.0	1.52	1.37	7.3	0.0	71.5	2.71	Sst gry vf gr sh lam calc
142P	4161.0- 62.0			6.3	2.7	79.5	2.68	Sst gry vf gr sh lam calc
143	4162.0- 63.0	0.94	0.39	4.7	1.5	78.5	2.71	Sst gry vf gr sh lam calc
144	4163.0- 64.0	3.16	2.02	6.5	4.6	70.8	2.70	Sst gry vf gr sh lam calc
145	4164.0- 65.0	19.7	11.6	7.3	0.7	73.0	2.71	Sst gry vf gr sh lam calc
146	4165.0- 66.0	1.65	0.79	7.3	0.7	65.9	2.71	Sst gry vf gr sh lam calc
147	4166.0- 67.0	14.5	3.37	7.2	0.8	82.7	2.71	Sst gry vf gr sh lam calc
148	4167.0- 68.0	2.57	1.43	6.6	0.7	85.2	2.70	Sst gry vf gr sh lam calc
149	4168.0- 69.0	1.93	1.14	7.2	0.6	84.7	2.71	Sst gry vf gr sh lam calc
150	4169.0- 70.0	7.10	2.39	5.0	2.3	86.4	2.71	Sst gry vf gr sh lam calc
151	4170.0- 71.0	11.2	2.22	7.2	0.0	81.4	2.72	Sst gry vf gr sh lam calc

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) K <sub>air</sub> md	(90 DEG) K <sub>air</sub> md		(PORE VOLUME) OIL %	WATER %		
152	4171.0- 72.0	2.30	2.17	5.4	9.8	84.3	2.68	Sst gry vf gr sh lam calc
153	4172.0- 73.0	1.49	0.96	5.9	0.6	85.1	2.69	Sst gry vf gr sh lam calc
154	4173.0- 74.0	3.35	3.20	5.7	1.6	88.9	2.69	Sst gry vf gr sh lam calc
155	4174.0- 75.0	2.90	0.80	5.5	1.9	79.4	2.70	Sst gry vf gr sh lam calc
156	4175.0- 76.0	19.2	4.05	5.1	5.0	80.1	2.69	Sst gry vf gr sh lam calc
157	4176.0- 77.0	1.54	0.90	6.5	5.1	78.5	2.70	Sst gry vf gr sh lam calc
158	4177.0- 78.0	0.66	0.58	6.7	4.4	73.2	2.70	Sst gry vf gr sh lam calc
159	4178.0- 79.0	5.11	3.40	5.4	1.6	84.3	2.67	Sst gry vf gr sh lam
160	4179.0- 80.0	0.83	0.50	5.5	1.3	73.6	2.67	Sst gry vf gr sh lam
161	4180.0- 81.0	3.73	1.05	6.2	1.5	90.1	2.69	Sst gry vf gr sh lam calc
162	4181.0- 82.0	16.8	14.2	5.4	0.6	82.7	2.70	Sst gry vf gr sh lam calc
163	4182.0- 83.0	3.60	1.91	6.2	1.6	91.3	2.69	Sst gry vf gr sh lam calc
164	4183.0- 84.0	0.63	0.58	6.4	1.4	83.4	2.70	Sst gry vf gr sh lam calc
165	4184.0- 85.0	2.94	2.66	6.5	1.4	86.9	2.69	Sst gry vf gr sh lam calc
166	4185.0- 86.0	7.39	2.92	6.4	6.5	86.1	2.70	Sst gry vf gr sh lam calc
167	4186.0- 87.0	2.87	1.60	6.5	4.5	87.6	2.70	Sst gry vf gr sh lam calc
168	4187.0- 88.0	0.83	0.77	3.9	10.8	81.7	2.72	Sst gry vf gr sh lam calc
169	4188.0- 89.0	4.71	4.44	5.5	5.5	74.3	2.68	Sst gry vf gr sh lam
Core No.5 4189.0-4249.0 Cut 60.0' Rec. 56.0'								
170	4189.0- 90.0	4.79	1.51	6.7	6.7	71.0	2.71	Sst gry vf gr sh lam calc
171P	4190.0- 91.0			5.2	2.2	82.4	2.68	Sst gry vf gr sh lam
172	4191.0- 92.0	8.72	4.15	4.5	0.0	69.1	2.67	Sst gry vf gr sh lam
173	4192.0- 93.0	3.38	3.13	5.7	4.6	82.6	2.68	Sst gry vf gr sh lam
174P	4193.0- 94.0			5.4	1.8	86.1	2.69	Sst gry vf gr sh lam calc
175P	4194.0- 95.0			5.5	5.8	70.1	2.69	Sst gry vf gr sh lam calc
176	4195.0- 96.0	1.37	0.95	5.0	6.8	90.6	2.67	Sst gry vf gr sh lam
177	4196.0- 97.0	2.31	0.72	5.3	8.2	78.6	2.67	Sst gry vf gr sh lam

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) K <sub>air</sub> md	(90 DEG) K <sub>air</sub> md		(PORE VOLUME) OIL %	WATER %		
178	4197.0- 98.0	17.4	14.3	5.5	4.4	74.0	2.67	Sst gry vf gr sh lam
179	4198.0- 99.0	7.32	3.66	5.7	5.9	74.5	2.68	Sst gry vf gr sh lam
180	4199.0- 00.0	2.63	2.31	4.9	11.2	71.8	2.67	Sst gry vf gr sh lam
181	4200.0- 01.0	51.5	41.8	4.6	2.1	59.8	2.66	Sst gry vf gr sh lam
182	4201.0- 02.0	6.37	4.25	5.0	9.1	72.6	2.66	Sst gry vf gr sh lam
183	4202.0- 03.0	7.27	4.63	4.8	8.0	77.3	2.67	Sst gry vf gr sh lam
184	4203.0- 04.0	1.30	0.39	5.0	5.1	58.1	2.67	Sst gry vf gr sh lam
185	4204.0- 05.0	0.61	0.20	4.6	9.6	80.7	2.67	Sst gry vf gr sh lam
186	4205.0- 06.0	15.4	8.15	5.0	5.5	76.9	2.69	Sst gry vf gr sh lam
187	4206.0- 07.0	6.68	0.34	4.7	1.6	81.4	2.67	Sst gry vf gr sh lam
188	4207.0- 08.0	17.9	12.0	3.6	2.2	78.4	2.68	Sst gry vf gr sh lam
189	4208.0- 09.0	1.13	0.51	4.1	9.5	63.1	2.66	Sst gry vf gr sh lam
190	4209.0- 10.0	16.5	1.81	4.4	5.8	77.7	2.65	Sst gry vf gr sh lam
191	4210.0- 11.0	5.47	4.26	5.5	5.6	78.0	2.68	Sst gry vf gr sh lam
192P	4211.0- 12.0			5.8	10.4	55.3	2.69	Sst gry vf gr sh lam
193	4212.0- 13.0	0.63	0.56	5.1	1.8	72.6	2.68	Sst gry vf gr sh lam calc
194	4213.0- 14.0	3.07	0.88	5.5	5.8	85.4	2.70	Sst gry vf gr sh lam calc
195	4214.0- 15.0	3.24	1.00	5.6	9.5	84.0	2.68	Sst gry vf gr sh lam calc
196	4215.0- 16.0	42.0	4.28	3.6	4.8	67.4	2.71	Sst gry vf gr sh lam calc
197	4216.0- 17.0	4.99	4.05	4.6	10.3	75.2	2.68	Sst gry vf gr sh lam
198	4217.0- 18.0	5.08	3.45	4.8	8.2	76.6	2.68	Sst gry vf gr sh lam
199	4218.0- 19.0	8.55	8.15	4.9	9.7	77.5	2.67	Sst gry vf gr sh lam
200	4219.0- 20.0	3.32	3.21	5.5	0.0	68.6	2.69	Sst gry vf gr sh lam
201	4220.0- 21.0	1.53	0.88	4.4	0.0	65.6	2.67	Sst gry vf gr sh lam
202	4221.0- 22.0	2.23	1.51	4.5	8.9	74.9	2.68	Sst gry vf gr sh lam
203	4222.0- 23.0	1.94	1.18	5.3	6.2	83.2	2.69	Sst gry vf gr sh lam
204	4223.0- 24.0	0.31	0.25	5.0	11.2	80.5	2.68	Sst gry vf gr sh lam calc
205	4224.0- 25.0	8.31	7.02	5.0	2.5	70.3	2.70	Sst gry vf gr sh lam calc
206	4225.0- 26.0	2.27	1.11	4.2	2.2	83.9	2.67	Sst gry vf gr sh lam

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) K <sub>air</sub> md	(90 DEG) K <sub>air</sub> md		(PORE VOLUME) OIL %	WATER %		
207	4226.0- 27.0	5.03	3.34	5.0	1.6	84.7	2.70	Sst gry vf gr sh lam calc
208	4227.0- 28.0	0.96	0.33	5.3	5.3	88.6	2.70	Sst gry vf gr sh lam calc
209	4228.0- 29.0	1.36	1.28	4.4	1.9	88.9	2.68	Sst gry vf gr sh lam calc
210	4229.0- 30.0	7.48	3.85	4.9	5.2	73.2	2.70	Sst gry vf gr sh lam calc
211	4230.0- 31.0	18.7	6.70	3.3	1.4	50.7	2.66	Sst gry vf gr sh lam
212	4231.0- 32.0	1.72	0.63	3.6	2.6	83.8	2.69	Sst gry vf gr sh lam
213	4232.0- 33.0	0.12	0.10	4.4	1.8	82.3	2.69	Sst gry vf gr sh lam
214	4233.0- 34.0	3.32	0.26	4.5	4.7	83.7	2.69	Sst gry vf gr sh lam
215	4234.0- 35.0	0.79	0.50	4.3	9.7	81.2	2.69	Sst gry vf gr sh lam
216	4235.0- 36.0	2.21	1.64	5.2	13.0	51.8	2.68	Sst gry vf gr sh lam
217	4236.0- 37.0	0.58	0.54	4.6	4.9	75.8	2.67	Sst gry vf gr sh lam
218P	4237.0- 38.0	0.03		5.1	2.2	74.9	2.70	Sst gry vf gr sh lam
219	4238.0- 39.0	2.31	0.60	4.0	5.5	66.1	2.67	Sst gry vf gr sh lam
220	4239.0- 40.0	1.08	0.55	4.2	8.8	80.9	2.68	Sst gry vf gr sh lam
221	4240.0- 41.0	1.50	0.14	5.1	9.5	79.2	2.68	Sst gry vf gr sh lam
222	4241.0- 42.0	1.83	0.19	4.9	11.5	78.9	2.69	Sst gry vf gr sh lam
223	4242.0- 43.0	0.36	0.14	4.6	5.8	72.3	2.68	Sst gry vf gr sh lam
224	4243.0- 44.0	0.20	0.11	4.9	10.8	74.2	2.68	Sst gry vf gr sh lam
225P	4244.0- 45.0	<.01		6.0	4.6	79.4	2.70	Sst gry vf gr sh lam calc
	4245.0- 49.0							Core Loss
Core No.6 4249.0-4291.0 Cut 42.0' Rec. 33.0'								
226	4249.0- 50.0	3.90	3.41	4.2	9.7	72.2	2.68	Sst gry vf gr sh lam
227	4250.0- 51.0	0.48	0.39	4.1	4.8	76.7	2.67	Sst gry vf gr sh lam
228	4251.0- 52.0	2.52	1.21	4.6	8.1	78.0	2.67	Sst gry vf gr sh lam
229	4252.0- 53.0	1.11	0.81	5.7	1.6	73.0	2.68	Sst gry vf gr sh lam
230	4253.0- 54.0	0.26	0.20	5.4	7.3	75.9	2.68	Sst gry vf gr sh lam
231	4254.0- 55.0	1.07	0.96	5.3	8.2	73.5	2.68	Sst gry vf gr sh lam

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION (PORE VOLUME)		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) K <sub>air</sub> md	(90 DEG) K <sub>air</sub> md		OIL %	WATER %		
232	4255.0- 56.0	2.92	1.46	5.0	7.2	75.0	2.67	Sst gry vf gr sh lam
233	4256.0- 57.0	0.08	0.08	5.3	1.7	89.2	2.69	Sst gry vf gr sh lam
234	4257.0- 58.0	0.64	0.35	3.1	8.0	79.7	2.67	Sst gry vf gr sh lam
235	4258.0- 59.0	3.55	0.72	3.7	2.0	91.8	2.67	Sst gry vf gr sh lam
236P	4259.0- 60.0			4.9	5.3	84.6	2.69	Sst gry vf gr sh lam
237P	4260.0- 61.0	<.01		3.9	3.2	93.8	2.69	Sst gry vf gr sh lam
238	4261.0- 62.0	2.78	1.92	3.7	5.6	81.6	2.67	Sst gry vf gr sh lam
239	4262.0- 63.0	1.18	0.35	3.0	5.8	88.2	2.67	Sst gry vf gr sh lam
240	4263.0- 64.0	13.4	9.35	3.1	1.7	82.8	2.66	Sst gry vf gr sh lam
241	4264.0- 65.0	3.88	2.33	3.0	1.8	70.7	2.66	Sst gry vf gr sh lam
242	4265.0- 66.0	8.14	1.19	3.1	1.9	84.6	2.65	Sst gry vf gr sh lam
243	4266.0- 67.0	2.13	1.76	3.7	1.0	90.4	2.66	Sst gry vf gr sh lam
244	4267.0- 68.0	5.19	4.70	3.0	1.6	80.0	2.70	Sst gry vf gr sh lam calc
245	4268.0- 69.0	2.21	0.52	3.5	9.9	78.8	2.66	Sst gry vf gr sh lam
246P	4269.0- 70.0	0.04		5.3	10.7	81.5	2.69	Sst gry vf gr sh lam calc
247P	4270.0- 71.0			5.1	10.9	82.5	2.68	Sst gry vf gr sh lam calc
248	4271.0- 72.0	1.95	0.77	3.9	2.4	92.7	2.69	Sst gry vf gr sh lam calc
249	4272.0- 73.0	40.0	11.0	3.7	3.6	58.2	2.66	Sst gry vf gr sh lam
250	4273.0- 74.0	1.25	0.75	4.2	12.7	59.3	2.68	Sst gry vf gr sh lam
251	4274.0- 75.0	11.9	9.40	3.7	18.1	57.8	2.68	Sst gry vf gr sh lam
252	4275.0- 76.0	21.9	4.97	2.9	7.2	57.3	2.67	Sst gry vf gr sh lam frac
253P	4276.0- 77.0	0.25		4.6	6.4	81.3	2.69	Sst gry vf gr sh lam
254	4277.0- 78.0	0.92	0.85	3.6	13.6	81.4	2.66	Sst gry vf gr sh lam
255	4278.0- 79.0	0.54	0.13	3.0	20.8	71.3	2.66	Sst gry vf gr sh lam
256	4279.0- 80.0			3.0	11.7	79.2	2.64	Sst gry vf gr sh lam
257	4280.0- 81.0	0.11	0.04	3.4	17.6	62.7	2.67	Sst gry vf gr sh lam

Data, Full Diameter 1 - 10

# CORE LABORATORIES

Company : Amoco Production Company  
 Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
 Formation : Mancos "B"

File No.: 57122-7932  
 Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md		(PORE VOLUME) OIL %	WATER %		
Rubble								
4282.0- 91.0		Core Loss						
Core No.7 4291.0-4325.0 Cut 34.0' Rec. 30.0'								
258P	4291.0- 92.0	<.01		4.9	10.6	71.9	2.69	Sst gry vf gr sh lam
259	4292.0- 93.0	1.08	0.99	3.5	19.0	76.1	2.66	Sst gry vf gr sh lam frac
260	4293.0- 94.0	1.17	0.45	2.8	17.4	69.5	2.64	Sst gry vf gr sh lam
261	4294.0- 95.0	4.25	3.28	3.7	13.4	67.0	2.67	Sst gry vf gr sh lam
262	4295.0- 96.0	119.	45.6	2.2	14.9	77.6	2.64	Sst gry vf gr sh lam frac
263	4296.0- 97.0	72.6	0.91	2.3	44.0	29.3	2.63	Sst gry vf gr sh lam frac
264	4297.0- 98.0	1.79	1.43	4.4	5.3	52.6	2.64	Sst gry vf gr sh lam
265	4298.0- 99.0	0.54	0.15	3.8	7.1	84.7	2.67	Sst gry vf gr sh lam
266	4299.0- 00.0	2.73	2.54	2.6	22.7	54.6	2.66	Sst gry vf gr sh lam
267	4300.0- 01.0	144.	137.	2.5	23.6	55.0	2.63	Sst gry vf gr sh lam
268	4301.0- 02.0			2.9	10.9	73.9	2.64	Sst gry vf gr sh lam
269	4302.0- 03.0	0.20	0.11	3.6	13.3	62.0	2.66	Sst gry vf gr sh lam
270	4303.0- 04.0	1.09	0.83	2.9	3.3	79.5	2.71	Sst gry vf gr sh lam
271	4304.0- 05.0	42.7	9.66	3.2	0.0	36.8	2.66	Sst gry vf gr sh lam
272	4305.0- 06.0	0.19	0.10	2.5	0.0	40.3	2.71	Sst gry vf gr sh lam
273	4306.0- 07.0	9.44	5.42	3.0	11.4	57.0	2.64	Sst gry vf gr sh lam
274	4307.0- 08.0	1.83	1.50	2.9	11.8	63.0	2.64	Sst gry vf gr sh lam
275	4308.0- 09.0	6.66	2.04	2.8	2.4	71.4	2.64	Sst gry vf gr sh lam
276	4309.0- 10.0			2.8	14.8	65.1	2.62	Sst gry vf gr sh lam
277	4310.0- 11.0	0.62	0.45	3.0	1.1	79.1	2.64	Sst gry vf gr sh lam
278	4311.0- 12.0			2.2	1.0	70.4	2.67	Sst gry vf gr sh lam
279P	4312.0- 13.0			2.3	5.4	86.9	2.66	Sst gry vf gr sh lam
280	4313.0- 14.0	3.42	0.57	2.6	4.7	75.8	2.64	Sst gry vf gr sh lam

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) Kair md	(90 DEG) Kair md		(PORE VOLUME) OIL %	WATER %		
281P	4314.0- 15.0	0.03		3.2	5.0	76.1	2.67	Sst gry vf gr sh lam
282	4315.0- 16.0	13.5	11.9	2.6	0.0	45.9	2.65	Sst gry vf gr sh lam
283	4316.0- 17.0	2.51	0.03	1.7	13.3	68.6	2.63	Sst gry vf gr sh lam
284	4317.0- 18.0	2.40	2.31	2.6	10.1	72.4	2.65	Sst gry vf gr sh lam
285	4318.0- 19.0	0.12	0.09	3.1	12.1	72.6	2.66	Sst gry vf gr sh lam
286	4319.0- 20.0	5.46	2.25	2.3	8.2	60.5	2.64	Sst gry vf gr sh lam
287P	4320.0- 21.0			3.7	18.8	50.2	2.67	Sst gry vf gr sh lam
	4321.0- 25.0							Core Loss
Core No.8 4325.0-4387.0 Cut 62.0' Rec. 40.0'								
288	4325.0- 26.0	0.06	0.04	3.5	12.4	55.2	2.67	Sst gry vf gr sh lam
289	4326.0- 27.0	5.12	2.01	3.8	11.1	66.6	2.65	Sst gry vf gr sh lam
290	4327.0- 28.0	7.58	4.56	4.6	7.7	80.4	2.67	Sst gry vf gr sh lam
291	4328.0- 29.0	1.02	0.64	4.5	8.2	65.9	2.68	Sst gry vf gr sh lam
292	4329.0- 30.0	0.58	0.52	4.7	5.3	74.3	2.68	Sst gry vf gr sh lam
293	4330.0- 31.0	2.95	0.22	4.6	10.9	68.7	2.68	Sst gry vf gr sh lam
294	4331.0- 32.0	0.27	0.09	4.5	10.8	68.0	2.68	Sst gry vf gr sh lam
295	4332.0- 33.0	3.54	0.26	4.7	16.5	74.1	2.70	Sst gry vf gr sh lam
296	4333.0- 34.0	0.14	0.11	5.5	12.4	70.1	2.68	Sst gry vf gr sh lam
297	4334.0- 35.0	7.77	0.10	2.4	14.5	52.2	2.68	Sst gry vf gr sh lam frac
298	4335.0- 36.0	0.10	0.09	5.0	3.4	53.7	2.67	Sst gry vf gr sh lam
299	4336.0- 37.0	0.49	0.18	4.8	12.3	66.8	2.67	Sst gry vf gr sh lam
300	4337.0- 38.0	5.28	3.29	5.1	13.1	71.1	2.68	Sst gry vf gr sh lam frac
301	4338.0- 39.0	1.51	0.89	2.6	13.9	71.7	2.69	Sst gry vf gr sh lam
302	4339.0- 40.0	0.12	0.11	4.9	12.0	40.2	2.68	Sst gry vf gr sh lam
303	4340.0- 41.0	4.36	0.78	5.7	15.5	62.1	2.69	Sst gry vf gr sh lam
304	4341.0- 42.0	0.30	0.26	4.6	10.1	68.5	2.68	Sst gry vf gr sh lam
305	4342.0- 43.0	0.12	0.07	6.4	20.8	59.3	2.72	Sst gry vf gr sh lam calc

Data, Full Diameter 1 - 12

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH ft	PERMEABILITY		POROSITY (HELIUM) %	SATURATION		GRAIN DENSITY gm/cc	DESCRIPTION
		(MAXIMUM) K <sub>air</sub> md	(90 DEG) K <sub>air</sub> md		(PORE VOLUME) OIL %	WATER %		
306	4343.0- 44.0	0.08	0.03	4.8	15.3	69.7	2.68	Sst gry vf gr sh lam calc
307	4344.0- 45.0	0.41	0.31	4.4	14.9	72.4	2.68	Sst gry vf gr sh lam calc
308	4345.0- 46.0	0.03	0.02	4.2	12.8	77.0	2.71	Sst gry vf gr sh lam calc
309	4346.0- 47.0	0.28	0.16	4.6	15.0	60.1	2.68	Sst gry vf gr sh lam calc
310	4347.0- 48.0	1.65	0.99	5.1	15.1	68.9	2.68	Sst gry vf gr sh lam
311	4348.0- 49.0	0.16	0.14	5.3	17.6	62.6	2.69	Sst gry vf gr sh lam
312	4349.0- 50.0	0.76	0.72	4.3	12.5	59.3	2.68	Sst gry vf gr sh lam
313	4350.0- 51.0	0.21	0.10	3.7	8.7	55.9	2.64	Sst gry vf gr sh lam
314	4351.0- 52.0	0.30	0.21	7.1	8.2	32.8	2.64	Sst gry vf gr sh lam
315	4352.0- 53.0	0.35	0.17	7.0	10.3	53.7	2.70	Sst gry vf gr sh lam calc
316	4353.0- 54.0	0.63	0.53	7.4	7.5	53.8	2.70	Sst gry vf gr sh lam calc
317P	4354.0- 55.0	0.02		7.8	29.5	25.3	2.70	Sst gry vf gr sh lam calc
	4355.0- 56.0							Not Suitable for Analysis
318P	4356.0- 57.0	<.01		7.0	26.6	53.3	2.70	Sst gry vf gr sh lam calc
	4357.0- 58.0							Not Suitable for Analysis
319P	4358.0- 59.0	<.01		5.3	18.5	68.8	2.73	Sst gry vf gr sh lam calc
320P	4359.0- 60.0	<.01		5.2	26.1	58.1	2.75	Sst gry vf gr sh lam calc
321	4360.0- 61.0	0.02	0.02	4.7	42.8	42.8	2.67	Sst gry vf gr sh lam
322	4361.0- 62.0	0.02	0.02	4.2	28.8	47.9	2.67	Sst gry vf gr sh lam
323	4362.0- 63.0	0.05	0.05	4.4	53.1	26.6	2.66	Sst gry vf gr sh lam
324	4363.0- 64.0	0.03	0.03	4.2	33.8	48.3	2.66	Sst gry vf gr sh lam
325	4364.0- 65.0	0.49	0.17	3.7	28.4	19.0	2.66	Sst gry vf gr sh lam
	4365.0- 87.0							Core Loss
Core No.9 4387.0-4449.0 Cut 62.0' Rec. 14.0'								
	4387.0- 01.0							Sh -- No Analysis
	4401.0- 49.0							Core Loss

# CORE LABORATORIES

Company : Amoco Production Company  
 Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
 Formation : Mancos "B"

File No.: 57122-7932  
 Date : 10-Mar-1995

## CORE ANALYSIS RESULTS

SAMPLE NUMBER	DEPTH  ft	PERMEABILITY		POROSITY (HELIUM)  %	SATURATION (PORE VOLUME)		GRAIN DENSITY  gm/cc	DESCRIPTION
		(MAXIMUM) K <sub>air</sub> md	(90 DEG) K <sub>air</sub> md		OIL %	WATER %		
<p>Oil is most probably Kerogen</p> <p>p=Plug Sample, Those without perms. were unsuitable for measurement.</p> <p>Some Full Diameter Perms. are also missing due too breakage</p>								

# CORE LABORATORIES

Company : Amoco Production Company  
 Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
 Formation : MANCOS "B"

File No.: 57122-7932  
 Date : 10-Mar-1995

TABLE I

## SUMMARY OF CORE DATA

ZONE AND CUTOFF DATA	CHARACTERISTICS REMAINING AFTER CUTOFFS	
<b>ZONE:</b>	<b>ZONE:</b>	<b>PERMEABILITY:</b>
Identification ----- Mancos "B"	Number of Samples ----- 325	Flow Capacity ----- 2481.8 md-ft
Top Depth ----- 3995.0 ft	Thickness Represented - 325.0 ft	Arithmetic Average ---- 8.74 md
Bottom Depth ----- 4401.0 ft		Geometric Average ----- 2.43 md
Number of Samples ----- 325	<b>POROSITY:</b>	Harmonic Average ----- 0.13 md
	Storage Capacity ----- 1624.7 $\phi$ -ft	Minimum ----- 0.00 md
<b>DATA TYPE:</b>	Arithmetic Average ---- 5.0 %	Maximum ----- 150. md
Porosity ----- (HELIUM)	Minimum ----- 1.6 %	Median ----- 2.99 md
Permeability ----- (MAXIMUM) Kair	Maximum ----- 10.1 %	Standard Dev. (Geom) -- $K \cdot 10^{\pm 0.842}$ md
	Median ----- 4.9 %	
<b>CUTOFFS:</b>	Standard Deviation ---- $\pm 1.5$ %	<b>HETEROGENEITY (Permeability):</b>
Porosity (Minimum) ----- 0.0 %		Dykstra-Parsons Var. -- 0.801
Porosity (Maximum) ----- 100.0 %	<b>GRAIN DENSITY:</b>	Lorenz Coefficient ---- 0.691
Permeability (Minimum) --- 0.0000 md	Arithmetic Average ---- 2.68 gm/cc	
Permeability (Maximum) --- 100000. md	Minimum ----- 2.59 gm/cc	<b>AVERAGE SATURATIONS (Pore Volume):</b>
Water Saturation (Maximum) 100.0 %	Maximum ----- 2.78 gm/cc	Oil ----- 6.8 %
Oil Saturation (Minimum) - 0.0 %	Median ----- 2.68 gm/cc	Water ----- 68.2 %
Grain Density (Minimum) -- 2.00 gm/cc	Standard Deviation ---- $\pm 0.02$ gm/cc	
Grain Density (Maximum) -- 3.00 gm/cc		
Lithology Excluded ----- NONE		

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : MANCOS "B"

File No.: 57122-7932  
Date : 10-Mar-1995

TABLE I

## SUMMARY OF CORE DATA

ZONE AND CUTOFF DATA	CHARACTERISTICS REMAINING AFTER CUTOFFS	
<b>ZONE:</b>	<b>ZONE:</b>	<b>PERMEABILITY:</b>
Identification ----- Mancos "B"	Number of Samples ----- 325	Flow Capacity ----- 1415.4 md-ft
Top Depth ----- 3995.0 ft	Thickness Represented - 325.0 ft	Arithmetic Average ---- 5.26 md
Bottom Depth ----- 4401.0 ft		Geometric Average ----- 1.53 md
Number of Samples ----- 325		Harmonic Average ----- 0.36 md
	<b>POROSITY:</b>	Minimum ----- 0.02 md
<b>DATA TYPE:</b>	Storage Capacity ----- 1624.7 $\phi$ -ft	Maximum ----- 137. md
Porosity ----- (HELIUM)	Arithmetic Average ---- 5.0 %	Median ----- 1.60 md
Permeability ----- (90 DEG) Kair	Minimum ----- 1.6 %	Standard Dev. (Geom) -- $K \cdot 10^{\pm 0.730}$ md
	Maximum ----- 10.1 %	
<b>CUTOFFS:</b>	Median ----- 4.9 %	<b>HETEROGENEITY (Permeability):</b>
Porosity (Minimum) ----- 0.0 %	Standard Deviation ---- $\pm 1.5$ %	Dykstra-Parsons Var. -- 0.810
Porosity (Maximum) ----- 100.0 %	<b>GRAIN DENSITY:</b>	Lorenz Coefficient ---- 0.702
Permeability (Minimum) --- 0.0000 md	Arithmetic Average ---- 2.68 gm/cc	<b>AVERAGE SATURATIONS (Pore Volume):</b>
Permeability (Maximum) --- 100000. md	Minimum ----- 2.59 gm/cc	Oil ----- 6.8 %
Water Saturation (Maximum) 100.0 %	Maximum ----- 2.78 gm/cc	Water ----- 68.2 %
Oil Saturation (Minimum) - 0.0 %	Median ----- 2.68 gm/cc	
Grain Density (Minimum) -- 2.00 gm/cc	Standard Deviation ---- $\pm 0.02$ gm/cc	
Grain Density (Maximum) -- 3.00 gm/cc		
Lithology Excluded ----- NONE		

# CORE LABORATORIES

Company : Amoco Production Company  
Well : Davis Canyon 42-12-13-25

Field : Davis Canyon  
Formation : Mancos "B"

File No.: 57122-7932  
Date : 10-Mar-1995

## ANALYTICAL PROCEDURES AND QUALITY ASSURANCE

### HANDLING & CLEANING

Core Transportation : Core Laboratories/Motor Freight  
Solvent :  
Extraction Equipment :  
Extraction Time :  
Drying Equipment : Humidity Oven  
Drying Time : 36-72 Hours  
Drying Temperature : 48C(Wet), 63C(Dry)

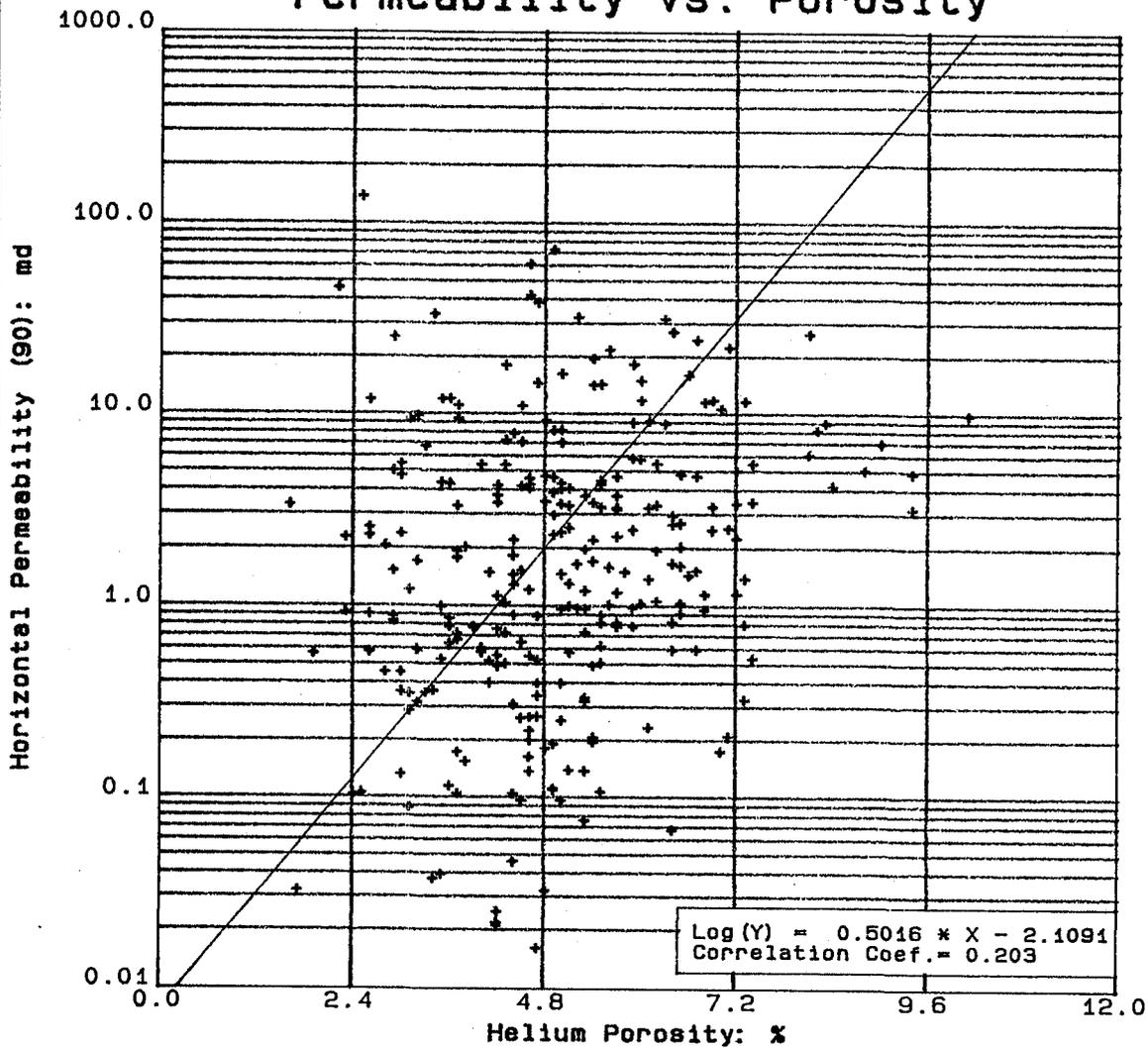
### ANALYSIS

Grain volume measured by Boyle's Law in a matrix cup using He  
Bulk volume by Archimedes Principle  
Fluid saturations by retort  
Core Gamma Composite

### REMARKS

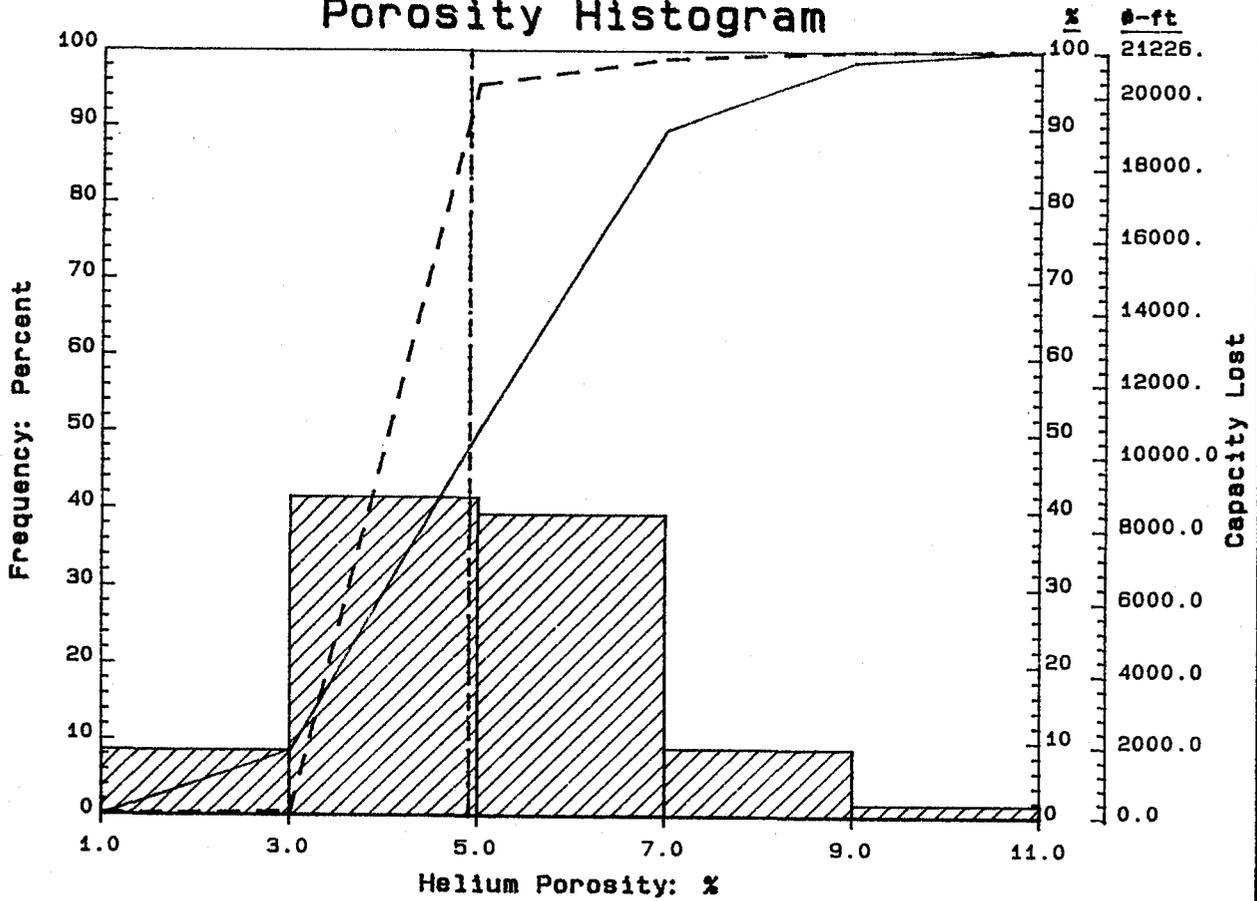
Client wanted as much data as possible, some samples were unsuitable for permeability measurements. Some footages were unsuitable due to the fissile nature of the rock. Because of the nature of the rock and as it was a dry gas reservoir, the samples were not cleaned. The oil that cooked out of the samples was believed to be Kerogen. Upon completion, the core and plugs were shipped to Amoco, Denver. Job began as a Trinity Exploration well, but was changed to Amoco.

# Permeability vs. Porosity



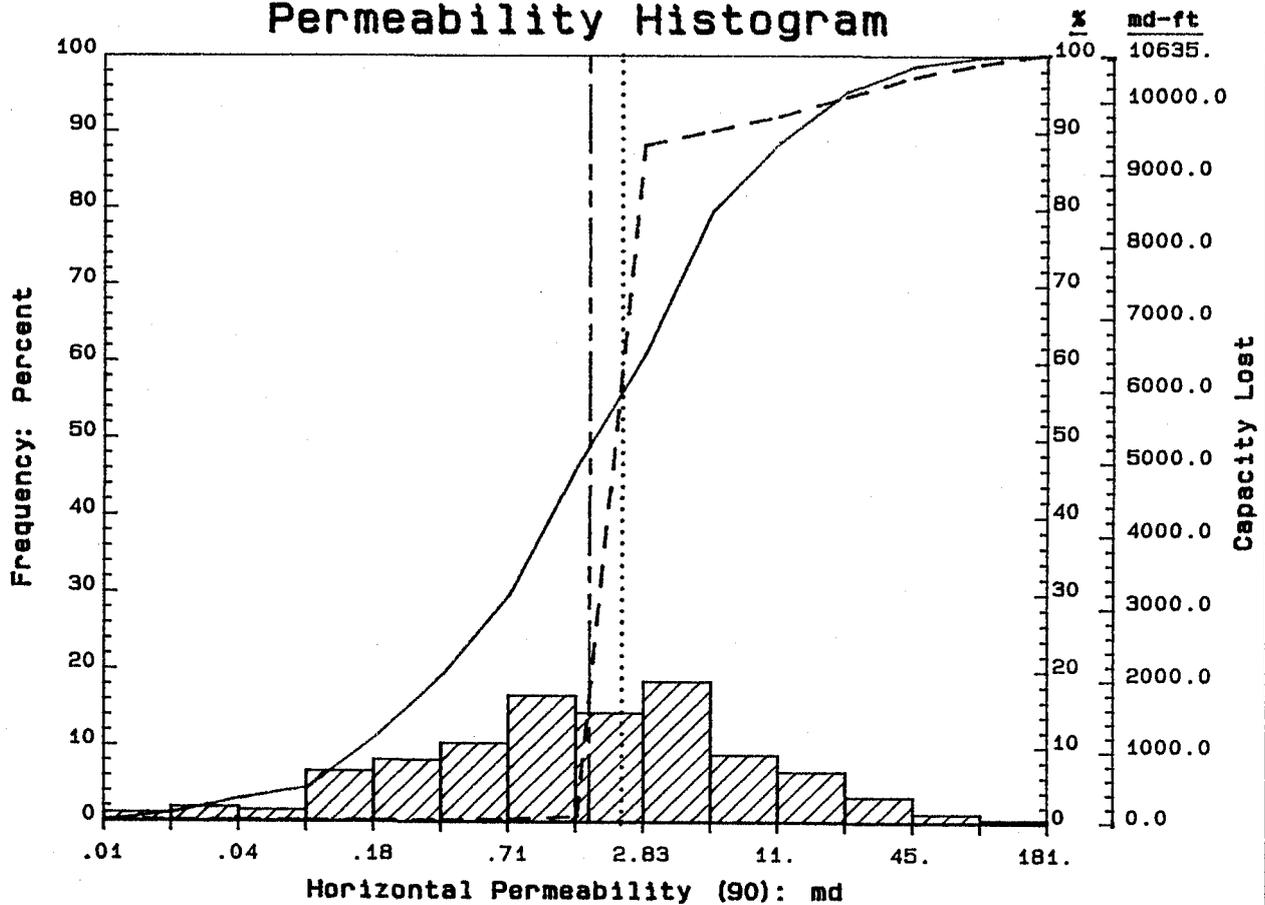
<p><b>Amoco Production Company</b>                  Davis Canyon 42-12-13-25                  Davis Canyon Field                  Uintah County, Utah                  Mancos "B" (3995.0-4401.0 feet)                  Cores 1-9</p> <p>Core Laboratories</p>	<p>- LEGEND -                  Mancos "B"</p> <p>17-Feb-1995</p>
--	--

# Porosity Histogram



<p style="text-align: center;"><b>Amoco Production Company</b>                  Davis Canyon 42-12-13-25                  Davis Canyon Field                  Uintah County, Utah                  Mancos "B" (3995.0-4401.0 feet)                  Cores 1-9</p> <p>Core Laboratories <span style="float: right;">17-Feb-1995</span></p>	<p style="text-align: center;">- LEGEND -</p> <p>— Median Value (4.9)                  ..... Arith. Average (4.9)                  — Cumulative Frequency                  - - - Cumulative Capacity Lost</p> <p style="text-align: center;">325 Samples</p>
---	--

# Permeability Histogram



<p style="text-align: center;"><b>Amoco Production Company</b>                  Davis Canyon 42-12-13-25                  Davis Canyon Field                  Uintah County, Utah                  Mancos "B" (3995.0-4401.0 feet)                  Cores 1-9</p> <p>Core Laboratories <span style="float: right;">17-Feb-1995</span></p>	<p style="text-align: center;">- LEGEND -</p> <p>— Median Value (1.60)                  ..... Geom. Average (2.25)                  — Cumulative Frequency                  - - - Cumulative Capacity Lost</p> <p style="text-align: center;">269 Samples</p>
---	---

# Correlation Coregraph

**Amoco Production Company**

Davis Canyon 42-12-13-25

Davis Canyon Field

Uintah County, Utah

Mancos "B" (3995.0-4401.0 feet)

Cores 1-9

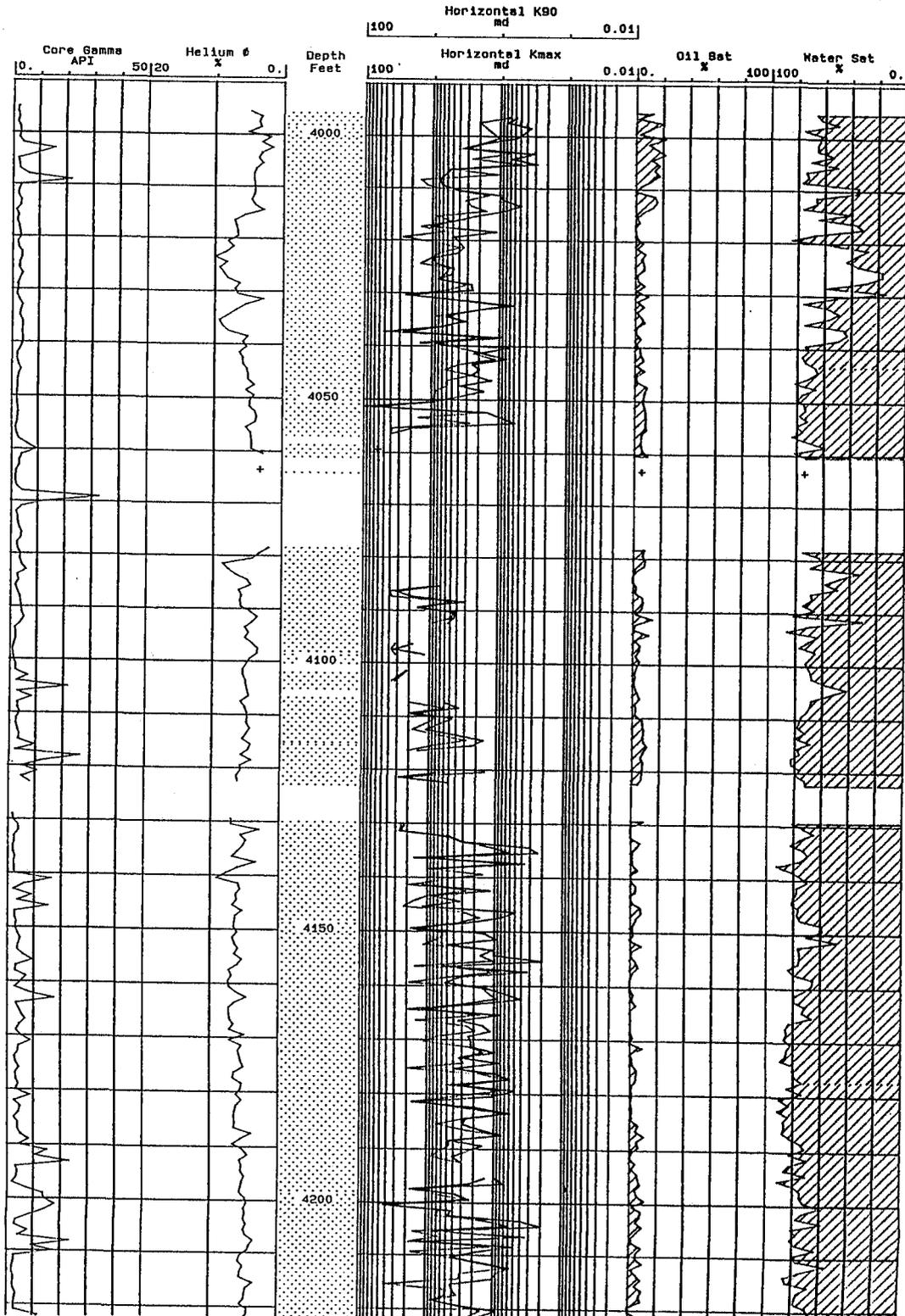
Core Laboratories

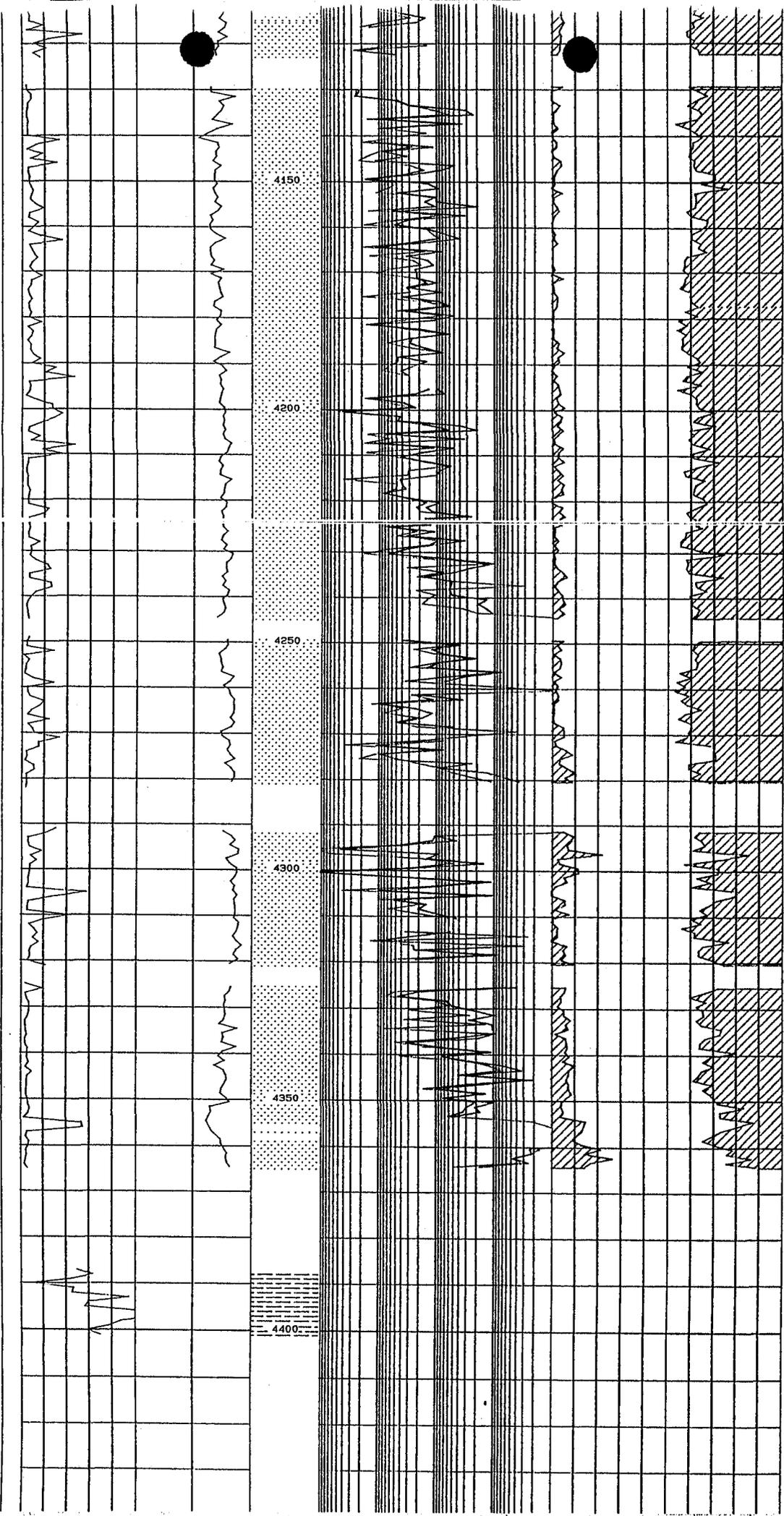
17-Feb-1995

Vertical Scale  
5.00 in = 100.0 ft

- Lithology Legend -

Sandstone
  Shale





①

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
WORKOVER AND COMPLETION RECORD

OPERATOR: AMOCO PROD. CO. COMPANY REP: GEORGE JOSEPH

WELL NAME: DAVIS CANYON 42-12-13-25 API NO: 43-047-32618

SECTION: 12 TWP: 13S RANGE: 25E COUNTY: UINTAH

TYPE OF WELL: OIL: \_\_\_\_\_ GAS: X WATER INJECTION: \_\_\_\_\_

STATUS PRIOR TO WORKOVER: DRL

INSPECTOR: DAVID HACKFORD TIME: 1:00 PM DATE: 5/23/95

---

REASON FOR WORKOVER:

CHANGE OF LIFT SYSTEM: \_\_\_\_\_ PUMP CHANGE: \_\_\_\_\_ PARTED RODS: \_\_\_\_\_

CASING OR LINER REPAIR: \_\_\_\_\_ ACIDIZE: X RECOMPLETION: \_\_\_\_\_

TUBING CHANGE: \_\_\_\_\_ WELLBORE CLEANOUT: X WELL DEEPENED: \_\_\_\_\_

ENHANCED RECOVERY: \_\_\_\_\_ THIEF ZONE: \_\_\_\_\_ CHANGE ZONE: \_\_\_\_\_

---

ENVIRONMENTAL/DISPOSITION OF FLUIDS USED: RIG TANK AND RESERVE  
PIT

PIT: LINED X UNLINED \_\_\_\_\_ FRAC TANK N ROPE: N H2S PRESENT: N

OPERATIONS AT THE TIME OF INSPECTION: SWABBING WELL THROUGH  
WELLHEAD AND TREE.

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REMARKS:

COLORADO WELL SERVICE RIG #15 ON HOLE.  
WELL HAS TEMPORARY FLOWLINE AND SEPARATOR WITH GAS CHART RIGGED  
UP FOR TESTING.

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

RECEIVED  
AUG 18 1995

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.  
UTU-70247

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.  
Davis Canyon 12-13-25 #1

9. API Well No.  
43-047-32618

10. Field and Pool, or Exploratory Area  
Wildcat

11. County or Parish, State  
Uintah Utah

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
Amoco Production Company  
Attention: E. R. Nicholson

3. Address and Telephone No.  
P.O. Box 800, Denver, Colorado 80201 (303) 830-5014

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1987' FNL 655' FEL Sec. 12 T 13S R 25E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Name Change</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Amoco Production Company intends to change the subject well name:  
From: Davis Canyon #42-12-13-25  
To: Davis Canyon 12-13-25 #1

14. I hereby certify that the foregoing is true and correct  
Signed E.R. Nicholson Title Business Analyst Date 07-20-1995

(This space for Federal or State office use)  
Approved by [Signature] Title Assistant District Manager Minerals Date AUG 23 1995

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.

\* See Instructions on Reverse Side

OPERATOR

# Facsimile Transmission

Addressee's Teletypewriter Phone  
(801) 359-3940

Date  
8/13/96

Page  
1 of 4

To: Lisa Cordova	Company State of Utah	Location	Mail Code/Room
From: Gail Jefferson	Company Amoco Production Co.	Location Denver, Colorado	Mail Code/Room 1295C
Initiated By	Department/Region	Charge (Cost Center Code)	Approved By
Typed By	Ext. 6157	Mail Code/Room	<input type="checkbox"/> Call Sender for Pickup of Originals <input type="checkbox"/> Call _____ for Pickup at Receiving Location

Ms. Cordova:

Attached are the Entity Action Forms needed to set these Amoco operated wells up in your system. I trust this is all the information you need. If you need additional information please don't hesitate to call me.

I am sending you a signed copy of these forms in the mail for your records.

Sincerely,

*Gail M. Jefferson*

Gail M. Jefferson  
(303) 830-6157

*P.S. I wasn't sure any of our wells were in your system so I have included all of the wells in the Piceance Basin that was drilled in the state of Utah*

OPERATOR Amoco Production Company

OPERATOR ACCT. NO. 110050

ADDRESS P. O. Box 800

Denver, Colo. 80201

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11969	4304732660	Seep Canyon State <sup>24-</sup> 19-12-25		19	12S	25E	Uintah	6/23/95	
WELL 1 COMMENTS: New Well Entity added 8-14-96. Lee											
A	99999	11970	4304732618	Davis Canyon <del>#1</del> <sup>#</sup> 12-13-25 #1		12	13S	25E	Uintah	1/19/95	
WELL 2 COMMENTS: New Well Entity added 8-14-96. Lee											
A	99999	11971	4304732705	Rat Hole Canyon 23-14-25		23	14S	25E	Uintah	9/12/95	
WELL 3 COMMENTS: New Well Entity added 8-14-96. Lee											
A	99999	11972	4304732593	TPC State <sup>23-</sup> 36-14-24		36	14S	24E	Uintah	4/16/95	
WELL 4 COMMENTS: New Well Entity added 8-14-96. Lee											
A	99999	11973	4304732592	Black Horse <sup>31-</sup> 9-15-24 #1		9	15S	24E	Uintah	7/30/95	
WELL 5 COMMENTS: New Well Entity added 8-14-96. Lee											

ACTION CODES (See instructions on back of form)

- 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)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Gail M. Jefferson  
Signature Gail M. Jefferson  
Sr. Admin. Staff Asst. 8/13/96  
Title Date  
Phone No. (303) 830-6157

P.3/4

HUG 15 '96 12:25PM AMOCO 121H FLOOR 3038304777

**RECEIVED**  
 UNITED STATES DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT  
 SEP 04 1996  
 DIV. OF OIL, GAS & MINING

FORM APPROVED  
 OMB NO. 1004-0137  
 Expires: February 28, 1995

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR: Amoco Production Company Gail M. Jefferson, Room 1295C

3. ADDRESS AND TELEPHONE NO.: P. O. Box 800, Denver, Colo. 80201 (303) 830-6157

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 1987' FNL 655' FEL  
 At top prod. interval reported below  
 At total depth \_\_\_\_\_

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

12. COUNTY OR PARISH: Uintah 13. STATE: Utah

15. DATE SPUNDED: 1/19/95 16. DATE T.D. REACHED: 2/19/95 17. DATE COMPL. (Ready to prod.): 4-18-96 18. ELEVATIONS (DF, RKB, RT, CR, ETC.)\*: 6342' KB 19. ELEV. CASINGHEAD: \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD: 4554' 21. PLUG, BACK T.D., MD & TVD: 4110' 22. IF MULTIPLE COMPL., HOW MANY? \_\_\_\_\_ 23. INTERVALS DRILLED BY: \_\_\_\_\_ ROTARY TOOLS: YES NO CABLE TOOLS: YES NO

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*: Mancos "B" 4018'-4380' 25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: ARRAY INDUCTION, CNL 3-16-95 INTEGRATED PROSPECTIVITY LITHOLOGY GR, DIPOLE SOURCE CBL; Phaser Induction GR; CNL-Litho Density MUO LOG 2-23-96 WAS WELL CORRED: YES

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
9.625"	36# J-55	579'	12.25"	325 sxs Class G cmt	
7"	23# L-80	3925'	8.75"	270 sxs Lead cmt 210 sxs tail cmt	Circ 15 bbls to surface

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4.5"	3691'	4551'	95 sxs		2.375"	3910'	

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

INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(1) 4018'-4048', 4072'-4092', 4130'-4260', 4330'-4380' w/4jspf, .370 inch diameter, total 920 shots fired. (2) 4028'-4038', 4077'-4087', .370 inch diameter, total 40 shots fired.	(1) 80 quality KCL foam & 152,300# 16/30 sand (2) 4000 gals. HF acid with N2 pad & flush.

33.\* PRODUCTION

DATE FIRST PRODUCTION \_\_\_\_\_ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) \_\_\_\_\_ WELL STATUS (Producing or shut-in) Shut-IN

DATE OF TEST	HOURS TESTED	CHOKE 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.) \_\_\_\_\_ TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS

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

SIGNED: Gail M. Jefferson TITLE: Sr. Admin. Staff Asst. DATE: 8/28/96

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

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, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
L. Sego Sand	2648'					
Castlegate	2899'					
Mancos Shale	3307'					
Mancos "B"	3968'					

DIA. OF OIL GAS & MINING  
 RECEIVED  
 JUN 10 1951

Davis Canyon 12-13-25#1 - Subsequent  
August 28, 1996

MIRUSU 5/4/95.

Perforated the Mancos "B" from 4018' to 4380' w/4jspf, .370 inch diameter. Fracture stimulate zone w/80 quality KCL foam and 152,300# 16/30 sand at an average rate and pressure of 50 bpm and 2400 psi. Flowed well to pit.

Cleaned out sand w/N2, Swabbed and tested well. Total fluid recovered with swab 181 bbls.

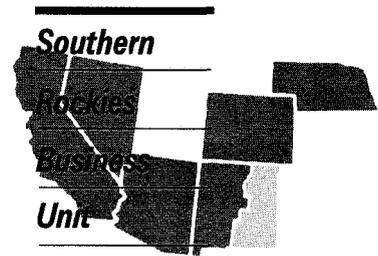
Tag fill at 4504'. PBTD to 4508'. Attempt to cement squeeze perms w/balanced plug, to reperf Mancos "B". Lost returns to formation, unable to squeeze.

Drill and clean out well to PBTD. Well full of fluid. Swabbed down to 3800'. Fluid level holding. Abandon attempt to squeeze Mancos "B".

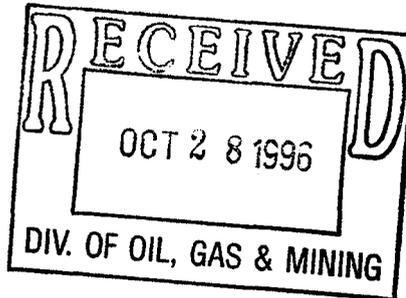
MIRUSU 3/25/96. Set CIBP at 4110'. Reperforate Mancos B from 4028' to 4038' and 4077' to 4087' w/2jspf, .340 inch diameter, total 40 shots fired. Run 2.375" tubing and land at 3910'. Swab well dry. Acidize Mancos "B" w/4000 gals. of HF acid w/N2 pad and flush to help unload acid. Swabbed well 5 days and recovered 115 barrels of gas cut water.

Shut well in 4/18/96.

REQUEST LONG TERM SHUT-IN.



October 25, 1996



Vicky Dyson  
State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Davis Canyon #12-13-25#1, API No. 43-047-32618 ✓  
Evacuation Creek #24-12-25 #1, API No. 43-047-32605

135 25E12 SGW

Dear Ms. Dyson:

In response to your letters dated October 3, and 4, 1996, enclosed please find a copy of the Cement Bond Log for each of the above referenced wells.

If you need any additional information please contact Pat Archuleta at (303) 830-5217.

Sincerely,

Gail M. Jefferson

Enclosures

# MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

DEMETRIA MARTINEZ  
 AMOCO PRODUCTION COMPANY  
 PO BOX 800  
 DENVER CO 80201

UTAH ACCOUNT NUMBER: N0050

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT  (Highlight Changes)

Well Name	API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes			
							OIL(BBL)	GAS(MCF)	WATER(BBL)	
DRAGON CANYON 27-12-25 #1	4304732587	11967	12S 25E 27	MNCSB						
SEEP CANYON STATE 19-12-25 #1	4304732660	11969	12S 25E 19	MNCSB						
DAVIS CANYON 12-13-25 #1	4304732618	11970	13S 25E 12	MNCSB		UTU 70247				
RAT HOLE CANYON 23-14-25 #1	4304732705	11971	14S 25E 23	MNCSB		U 73714				
TPC STATE 36-14-24 #1	4304732593	11972	14S 24E 36	MNCSB						
BLACK HORSE 9-15-24 #1	4304732592	11973	15S 24E 9	MNCSB		UTU 72068				
EVACUATION CREEK 24-12-25 #1	4304732605	11974	12S 25E 24	MNCSB		UTU 73029				
ATCHEE RIDGE 32-35-13-25	4304732657	11966	13S 25E 35	DPL		U 72039				
<b>TOTALS</b>										

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (801) 781-4400  
Fax: (801) 781-4410

IN REPLY REFER TO:  
3162.3  
UT08300

October 7, 1997

Retamco Operating Inc.  
Joe Glennon  
HCR Box 1010  
Roberts MT 59070

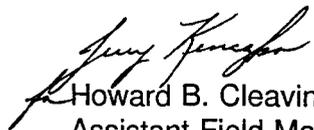
Re: Well No 12-13-25  
SENE, Sec. 12, T13S, R25E  
Lease U-70247  
Uintah County, Utah

Dear Mr. Glennon:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Retamco Operating Inc. is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1088, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (801) 789-1362.

Sincerely,

  
Howard B. Cleavinger II  
Assistant Field Manager,  
Minerals Resources

cc: Amoco Production Company  
Division of Oil, Gas & Mining  
Realty Div.



**Facsimile Transmission**  
16-717-C (3-82)

Date 10/28/97 Time Sent

**This transmission consists of:** 1 pages

Notes:

**T** *Lisha Cordova*  
*State of Utah*  
*Dir of Oil & Gas*  
FAX Number

FAX Operator's Number for Confirmation  
801-359-3940

**F**  
**R**  
**O**  
**M**

*Pat Archuleta*  
*APC*

FAX Telephone Number

Voice Telephone Number

303-830-5217



## Memorandum

**DATE:** October 27, 1997  
**TO:** Lisha Cordova  
**FROM:** Pat Archuleta  
**RE:** Sale of Properties to Retamco Operating Inc.,

Amoco Production Company has sold it's wellbore interest in the following wells to Retamco Operating Inc. HCR Box 1010 , Roberts, MT. 59070 as of 9/01/97.

- Atchee Ridge 15-13-25 #1
- Atchee Ridge 24-13-25 #1
- Atchee Ridge 35-13-25 #1
- Black Horse 9-15-24 #1
- ✓ Davis Canyon 12-13-25 #1
- Evacuation Creek 24-12-25

**OPERATOR CHANGE WORKSHEET**

1-REC ✓	6-REC ✓
2-GLH ✓	7-KAS ✓
3-DPS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-JRB ✓	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-1-97

<b>TO:</b> (new operator)	<u>RETAMCO OPERATING INC.</u>	<b>FROM:</b> (old operator)	<u>AMOCO PRODUCTION COMPANY</u>
(address)	<u>HCR BOX 1010</u>	(address)	<u>PO BOX 800</u>
	<u>ROBERTS MT 59070</u>		<u>DENVER CO 80201</u>
	<u>JOE GLENNON</u>		
Phone:	<u>(406)445-2641</u>	Phone:	<u>(303)830-4127</u>
Account no.	<u>N6020 (10-27-97)</u>	Account no.	<u>N0050</u>

**WELL(S)** attach additional page if needed:

Name:	<u>ATCHEE RDGE 15-13-25#1</u>	API:	<u>43-047-32659</u>	Entity:	<u>11962</u>	S	<u>15</u>	T	<u>13S</u>	R	<u>25E</u>	Lease:	<u>U70248</u>
Name:	<u>ATCHEE RDGE 24-13-25#1</u>	API:	<u>43-047-32602</u>	Entity:	<u>11963</u>	S	<u>24</u>	T	<u>13S</u>	R	<u>25E</u>	Lease:	<u>UTU72075</u>
Name:	<u>DAVIS CYN 12-13-25#1</u>	API:	<u>43-047-32618</u>	Entity:	<u>11970</u>	S	<u>12</u>	T	<u>13S</u>	R	<u>25E</u>	Lease:	<u>UTU70247</u>
Name:	<u>RAT HOLE CYN 23-14-25#1</u>	API:	<u>43-047-32705</u>	Entity:	<u>11971</u>	S	<u>23</u>	T	<u>14S</u>	R	<u>25E</u>	Lease:	<u>U73714</u>
Name:	<u>BLACK HORSE 9-15-24#1</u>	API:	<u>43-047-32592</u>	Entity:	<u>11973</u>	S	<u>9</u>	T	<u>15S</u>	R	<u>24E</u>	Lease:	<u>UTU72068</u>
Name:	<u>ATCHEE RDGE 32-35-13-25#1</u>	API:	<u>43-047-32657</u>	Entity:	<u>11966</u>	S	<u>35</u>	T	<u>13S</u>	R	<u>25E</u>	Lease:	<u>U72039</u>
Name:	<u>EVACUATION 24-12-25#1</u>	API:	<u>43-047-32605</u>	Entity:	<u>11974</u>	S	<u>24</u>	T	<u>12S</u>	R	<u>25E</u>	Lease:	<u>UTU73029</u>

**OPERATOR CHANGE DOCUMENTATION**

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Reg. 10-27-97) (Rec'd 10-28-97)
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-23-97)
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) yes If yes, show company file number: #199661. (Eff. 4-15-97)
4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. (10-28-97)
6. Cardex file has been updated for each well listed above. (10-28-97)
7. Well file labels have been updated for each well listed above. (10-28-97)
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (10-28-97)
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no)  If entity assignments were changed, attach copies of Form 6, Entity Action Form.
2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

1. Copies of documents have been sent on 10/29/97 to BLM at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated  19 , of their responsibility to notify all interest owners of this change.

**FILMING**

1. All attachments to this form have been microfilmed. Today's date: 11.13.97.

**FILING**

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

971027 BLM/Vernal Aprv. 10-7-97

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:		5. Lease Designation and Serial Number: UTU 70247
2. Name of Operator: Retamco Operating Inc.		6. If Indian, Alitoba or Tribe Name:
3. Address and Telephone Number: 671 Garnet Billings, MT 59105 Joe Glennon 406/248-5594.		7. Unit Agreement Name:
4. Location of Well Footages: 1987' FNL 655' FEL Sec 12 T13S, R25E CO, Sec., T., R., M.: SENE		8. Well Name and Number: Davis Canyon 12-13-25 #1
		9. API Well Number: 43-047-32618
		10. Field and Pool, or Wildcat: Wildcat
		County: Uintah State: Utah

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

NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input checked="" type="checkbox"/> Other <u>Well Status Report</u>	<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Other _____
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off
approximate date work will start _____	Date of work completion _____ Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was drilled to 4,554'. Set 9 5/8" 36# J55 casing at 563', Set 7" 23# L80 to 3924', Set 4 1/2" 11.6# N80 casing w/liner to 4551' with sufficient cement to cover all water and hydrocarbon zones. Set CIBP at 4110' perforated Mancos "B" from 4028 to 4038 and 4077 to 4087' and tested gas. The pit was closed, location has been maintained and the wellhead secured with the well currently shut-in waiting on pipe line. Upon BLM approval Retamco plans to complete the Wasatch and Mesa Verde zones behind pipe. Log comparison indicates similar success should be encountered as in the Seep Canyon State 19-12-25 well completed by Retamco and Medallion in 1998 which tested 1.5 Million Cubic Feet of gas per day on extended tests. Minimum pressures were noted from this well during a site inspection in Aug of 1998. In addition the lease on this land is in its primary term with over three years remaining. Retamco sees great value in this well and request that the well remain in shut-in status to allow time for Retamco to secure necessary federal approval to sell gas from this well and to begin its development program in this area.

13. Name & Signature: Joe Glennon *Joe Glennon* Title: Agent Date: 3/29/99

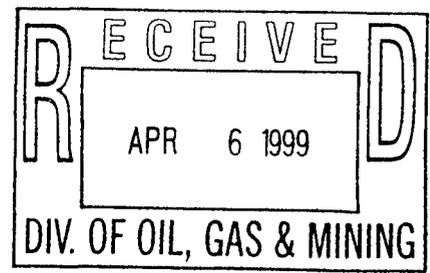
(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

COPY SENT TO OPERATOR  
Date: 5-4-99  
Initials: CHP

Date: 4-6-99  
By: RSH

(See Instructions on Reverse Side)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires July 31, 1996

**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.
- 6. If Indian, Allottee or Tribe Name
- 7. If Unit or CA/Agreement, Name and/or No.
- 8. Well Name and No.  
See Exhibit "A"
- 9. API Well No.  
See Exhibit "A"
- 10. Field and Pool, or Exploratory Area
- 11. County or Parish, State  
See Exhibit "A"

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 Retamco Operating Inc. *Joe Glennon AIF*

3a. Address  
 671 Garnet Ave. Billings, MT 59105

3b. Phone No. (include area code)  
 (406) 248-5594

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 See Exhibit "A"

**12. CHECK APPROPRIATE BOX(ES) 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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter 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>Change of Operator</u>
	<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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices 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.)

Retamco is selling its interest in the wells described in the attached Exhibit "A" list of wells to CDX Rockies LLC, of 5845 Beltline Road, Suite 280 Dallas, Texas 75240-7656

**RECEIVED**

MAY 10 2001

DIVISION OF  
OIL, GAS AND MINING

CDX Rockies LLC Bond # RLB0003065

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) <i>Perry E. Robertson</i>	Title <i>VP CDX Rockies LLC</i>
Signature <i>[Signature]</i>	Date <i>5-03-01</i>

**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	

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.

Exhibit "A"  
Utah Well List

Operator	Well Name:	Location:	County:	State:	Lease #	API Number:
ROI	Atchee Ridge 15-13-25 #1	SE Sec 15 - T13S,R25E	Uintah	Utah	U-70248	43-047-32659
ROI	Atchee Ridge 24-13-25	SW Sec 24 - T13S,R25E	Uintah	Utah	U-72075	43-047-32602
ROI	Davis Canyon 12-13-25	NE Sec 12 - T13S,R25E	Uintah	Utah	U-70247	43-047-32618
ROI	Rat Hole Canon 23-14-25	SW Sec 23 - T14S,R25E	Uintah	Utah	U-73714	43-047-32705
ROI	Black Horse 9-15-24 #1	NE Sec 9 - T15S,R24E	Uintah	Utah	U-72068	43-047-32592
ROI	Federal 1-33 (Gusher)	SE Sec 33 - T5S,R19E	Uintah	Utah	NRM1319	43-047-30300
					U-3575 +	
ROI	TPC State 36-14-24	NESW Sec 36 - T14S,R24E	Uintah	Utah	ML 46436	43-047-32593
7 Wells						
ROI	Atchee Ridge 35-13-25 location	NE Sec 35 - T13S,R25E	Uintah	Utah	U-72039	43-047-32657
ROI	Atchee Ridge 11-27-13-25 location	NW Sec 27 - T13S,R25E	Uintah	Utah	U-73189	
ROI	Walker Hallow 13-31 location	SW Sec 31 - T6S,R23E	Uintah	Utah	U-76280	



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (801) 781-4400

Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3

UT08300

July 12, 2001

CDX Rockies, LLC  
5845 Beltline Road, Suite 280  
Dallas, Texas 75240

*43-047-32618*

Re: Well No. Davis Canyon 12-13-25 #1  
SENE, Sec. 12, T13S, R25E  
Lease No. U-70247  
Uintah County, Utah

Gentlemen:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, CDX Rockies, LLC is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1225, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Leslie Crinklaw or Pat Sutton of this office at (801) 781-4400.

Sincerely,

Edwin I. Forsman  
Petroleum Engineer

cc: DOGM - Jim Thompson  
Retamco Operating Inc.

**RECEIVED**

JUL 16 2001

DIVISION OF  
OIL, GAS AND MINING

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH		4-KAS
2. CDW	✓	5-LP
3. JLT		6-FILE

Enter date after each listed item is completed

**X Change of Operator (Well Sold)**

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective: **5-03-2001**

<b>FROM: (Old Operator):</b>
RETAMCO OPERATING INC
Address: 671 GARNET AVE
BILLINGS, MT 59105
Phone: 1-(406)-248-5594
Account N6020

<b>TO: ( New Operator):</b>
CDX ROCKIES LLC
Address: 679 EAST 2ND STE 3
DURANGO, CO 81301
Phone: 1-(970)-247-4126
Account N1860

**CA No.**

**Unit:**

**WELL(S)**

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 1-33	43-047-30300	575	33-05S-19E	FEDERAL	OW	S
WALKER HOLLOW 13-31	43-047-33763	99999	31-06S-23E	FEDERAL	GW	APD
DAVIS CANYON 12-13-25 1	43-047-32618	11970	12-13S-25E	FEDERAL	GW	S
ATCHEE RIDGE 15-13-25 1	43-047-32659	11962	15-13S-25E	FEDERAL	GW	S
ATCHEE RIDGE 24-13-25 1	43-047-32602	11963	24-13S-25E	FEDERAL	GW	S
ATCHEE RIDGE 11-27-13-25	43-047-33369	99999	27-13S-25E	FEDERAL	GW	APD
ATCHEE RIDGE 35-13-25 1	43-047-32657	11966	35-13S-25E	FEDERAL	GW	S
RAT HOLE CANYON 23-14-25 1	43-047-32705	11971	23-14S-25E	FEDERAL	GW	S
BLACK HORSE 9-15-24 1	43-047-32592	11973	09-15S-24E	FEDERAL	GW	S

**OPERATOR CHANGES DOCUMENTATION**

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 05/10/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 05/10/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 07/11/2001
- Is the new operator registered in the State of Utah: YES Business Number: 4880191-0161
- If **NO**, the operator was contacted on: N/A
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 07/12/2001
- Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: N/A

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

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**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 07/17/2001

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/17/2001

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A

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**FEDERAL BOND VERIFICATION:**

1. Federal well(s) covered by Bond No.: RLB 0003065

2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on:

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on: \_\_\_\_\_

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**COMMENTS:**

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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**

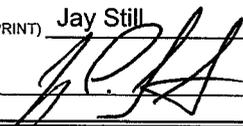
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: U-70247
2. NAME OF OPERATOR: Pioneer Natural Resources <i>N5155</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1401 17th St., Suite 1200 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 18987' FNL & 655' FEL		8. WELL NAME and NUMBER: Davis Canyon 12-13-25 # 1
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 12 13S 25E		9. API NUMBER: 4304732618
COUNTY: <b>Unitah</b>		10. FIELD AND POOL, OR WILDCAT: Davis Canyon
STATE: <b>UTAH</b>		

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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>12/22/2005</b>	<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 checked="" 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 type="checkbox"/> OTHER: _____
	<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.  
CDX Rockies, LLC designates Pioneer Natural Resources USA, Inc., as operator of the Davis Canyon 12-13-25 # 1 well, effective December 22, 2005. Pioneer Natural Resources USA, Inc. bonds for Utah are # 104319462 (blanket) and # 104319463.

NAME (PLEASE PRINT) <u>Jay Still</u>	TITLE <u>Vice President, Western Division</u>
SIGNATURE 	DATE <u>2/15/2006</u>

(This space for State use only)

APPROVED 3129106  
*Earlene Russell*  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED  
FEB 21 2006  
DIV. OF OIL, GAS & MINING

**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.

		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>SEE ATTACHED LIST</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: <b>Displacement Point</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>SEE ATTACHED LIST</b>
2. NAME OF OPERATOR: <b>CDX Rockies, LLC</b> <i>N1860</i>		9. API NUMBER: <b>SEE ATTACH</b>
3. ADDRESS OF OPERATOR: <b>1801 BROADWAY #1060</b> CITY <b>DENVER</b> STATE <b>CO</b> ZIP <b>80202</b>		10. FIELD AND POOL, OR WILDCAT: <b>Wildcat</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: <b>UTAH</b>		

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 checked="" 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: _____	<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 type="checkbox"/> OTHER: _____
	<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.  
**CDX Rockies, LLC designates Pioneer Natural Resources USA, Inc. as operator of the attached list of wells located in Uintah County Utah, effective December 22, 2005.**

NAME (PLEASE PRINT) <u>Tracy E. Lombardi</u>	TITLE <u>Land/Engineering Tech.</u>
SIGNATURE <u><i>Tracy E. Lombardi</i></u>	DATE <u>2/28/2006</u>

(This space for State use only)  
**APPROVED** 3/29/2006  
*Earlene Russell*  
 Division of Oil, Gas and Mining  
 Earlene Russell, Engineering Technician

**RECEIVED**  
**MAR 02 2006**  
 DIV. OF OIL, GAS & MINING

CDX Rockies, LLC designates Pioneer Natural Resources USA, Inc. as operator of the attached list of wells located in Uintah County Utah, effective December 22, 2005.

<u>Well Name</u>	<u>API No.</u>	<u>Location</u>	<u>Lease No.</u>	<u>Status</u>
Atchee Canyon #25-12-25 #4	43-047-35830	NENW 25-T12S-R25E	Fee	SI
Atchee Ridge #22-13-25	43-047-35678	SWSW 22-T13S-R25E	UTU-73189	SI-Drilling
Atchee Ridge #24-13-25 #1	43-047-32602	SESW 24-T13S-R25E	UTU-72075	SI
Atchee Ridge #15-13-25 #1	43-047-32659	SWSE 15-T13S-R25E	UTU-70248	SI
Davis Canyon #12-13-25 #1	43-047-32618	SENE 12-T13S-R25E	UTU-70247	SI
Atchee Canyon #35-12-25	43-047-34297	SENE 35-T12S-R25E	UTU-70905	APD-Approved
Tent Canyon #4-14-14-25	43-047-36784	NWNW 14-T14S-R25E	UTU-72652	APD-Pending



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410

<http://www.blm.gov/utah/vernal>



IN REPLY REFER TO:

3162.3

UT08300

March 15, 2006

Jay Still

Pioneer Natural Resources USA, Inc.

1401 17<sup>th</sup> Street, Suite 1200

Denver, Colorado 80202

Re: Davis Canyon 12-13-25 #1  
SENE, Sec. 12, T13S, R25E  
Uintah County, Utah  
Lease No. U-70247

Dear Mr. Still:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Pioneer Natural Resources USA, Inc. is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. MTB000041, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Leslie Wilcken of this office at (435) 781-4497.

Sincerely,

*Michael Lee*

Michael Lee  
Petroleum Engineer

cc: UDOGM  
CDX Rockies LLC

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MAR 24 2006

DEPT. OF OIL, GAS & MINING

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FEB 21 2006

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**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.**

1. Type of Well  Oil Well  Gas Well  Other

2. Name of Operator **Pioneer Natural Resources USA, Inc.**

3a. Address **1401 17th Street, Suite 1200, Denver, CO 80202**

3b. Phone No. (include area code) **303-675-2719**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1987' FNL & 655' FEL  
SENE, Sec. 12, T13S, R25E**

5. Lease Serial No.  
**U-70247**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
**Davis Canyon 12-13-25 # 1**

9. API Well No.  
**43-047-32618**

10. Field and Pool, or Exploratory Area  
**Davis Canyon**

11. County or Parish, State  
**Uintah, Utah**

**12. CHECK APPROPRIATE BOX(ES) 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"/> Alter 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 <b>Change of Operator</b>
	<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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

**Please be advised that Pioneer Natural Resources USA, Inc. is considered to be the operator of Davis Canyon 12-13-25 #1; SENE, Section 12, Township 13S, Range 25E; Lease U-70247; County of Uintah; 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 # MTB000041. This is effective December 22, 2005.**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

Jay Still

Title **Vice President, Western Division**

Signature

Date **02/15/2006**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

**Michael Lee**

Title **Petroleum Engineer**

Date

**MAR 15 2006**

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 to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

- |        |
|--------|
| 1. DJJ |
| 2. CDW |

**X Change of Operator (Well Sold)**

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:		<b>12/22/2005</b>
<b>FROM: (Old Operator):</b> N1860-CDX Rockies, LLC 1801 Broadway, Suite 1060 Denver, CO 80202 Phone: 1-(303) 298-8211	<b>TO: ( New Operator):</b> N5155-Pioneer Natural Resources 1401 17th St, Suite 1200 Denver, CO 80202 Phone: 1-(303) 675-2719	

WELL(S) NAME	CA No.			Unit:	DISPLACEMENT POINT			
	SEC	TWN	RNG		API NO	ENTITY NO	LEASE TYPE	WELL TYPE
ATCHEE CYN 25-12-25 #4	25	120S	250E	4304735830	14371	Fee	GW	S
FED ATCHEE CYN 35-12-25	35	120S	250E	4304734297		Federal	GW	APD
DAVIS CANYON 12-13-25 1	12	130S	250E	4304732618	11970	Federal	GW	S
ATCHEE RIDGE 15-13-25 1	15	130S	250E	4304732659	11962	Federal	GW	S
FED ATCHEE RIDGE 22-13-25	22	130S	250E	4304735678	14972	Federal	GW	DRL
ATCHEE RIDGE 24-13-25 1	24	130S	250E	4304732602	11963	Federal	GW	S
TENT CYN 4-14-14-25	14	140S	250E	4304736784		Federal	GW	APD

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 1/25/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 3/2/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/28/2006
- Is the new operator registered in the State of Utah: YES Business Number: 5738462-0143
- If **NO**, the operator was contacted on: \_\_\_\_\_
- (R649-9-2) Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: ok
- Reports current for Production/Disposition & Sundries on: ok

7-5

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/24/2006 BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 2/3/2006

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

- 1. Changes entered in the Oil and Gas Database on: 3/29/2006
- 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 3/29/2006
- 3. Bond information entered in RBDMS on: 3/29/2006
- 4. Fee/State wells attached to bond in RBDMS on: 3/29/2006
- 5. Injection Projects to new operator in RBDMS on: n/a
- 6. Receipt of Acceptance of Drilling Procedures for APD/New on: 3/2/2006

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: MTB000041

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 104319462

2. The FORMER operator has requested a release of liability from their bond on: not yet  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 3/30/2006

**COMMENTS:**

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-70247</b>
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:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>Pioneer Natural Resources USA, Inc., Attn: Kally Boulay</b>		8. WELL NAME and NUMBER: <b>Davis Canyon 12-13-25 # 1</b>
3. ADDRESS OF OPERATOR: <b>1401 17th Street, # 1200</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>	PHONE NUMBER: <b>(303) 675-2719</b>	9. API NUMBER: <b>4304732618</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1987 FNL &amp; 655 FEL</b>		10. FIELD AND POOL, OR WILDCAT: <b>Davis Canyon</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 12 13S 25E</b>		COUNTY: <b>Uintah</b>
		STATE: <b>UTAH</b>

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>5/24/2006</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 type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

**Recompletion Procedure**

Objective: Implement recompletion of the wellbore by setting a CIBP @ 2150', and then perforating and fracture stimulating Neslen Coals. Place the well on production with a PC pump.

- RUSU and strip-off WH. RU BOPE. POOH with 2 3/8" tbg.
- Wireline set CIBP @ 2150'
- Screw on a 5k rated Demco gate valve.
- MIRU pump truck. Load hole if needed with produced water + biocide. Pressure test the wellbore to 500 psi.
- RIH w/GR/CCI tool and 4" csg guns loaded 4 spf, 120 deg phasing, 0.46" diameter hole, 19 gr charges. Implement casing frac by setting plugs, perforating and fracing:
  - Stage 1 - Set CIBP @ 2150' before fracture stimulating. Dump bail acid and break down perfs with 2 bbls 7-1/2% HCL. Run large pad. Top Perf: 1954; Bottom Perf: 1958; Sand: 25Mlbs
  - Stage 2 - Set RBP @ 1944'. Dump bail acid and break down perfs with 3 bbls 7-1/2% HCL. Top Perf: 1930; Bottom Perf: 1934; Sand: 47 Mlbs. Top Perf: 1908; Bottom Perf: 1916; Sand: 48Mlbs.

\*\* Continued on next page\*\*

NAME (PLEASE PRINT) <u>Kallasandra M. Boulay</u>	TITLE <u>Engineering Analyst</u>
SIGNATURE	DATE <u>5/17/2006</u>

(This space for State use only)

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Federal Approval Of This  
Action Is Necessary

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MAY 22 2006  
DIV. OF OIL, GAS & MINING

Date: 7/5/06 (See Instructions on Reverse Side)  
By:

(5/2000)

Stage 3 – Set RBP @ 1900'. Dump bail acid and break down perfs with 2 bbls 7-1/2% HCL. Run large pad. Top Perf: 1874; Bottom Perf: 1878; Sand: 25Mlbs.

Stage 4 – Set RBP @ 1860'. Dump bail acid and break down perf with 2 bbls 7-1/2% HCL. Top Perf: 1822; Bottom Perf: 1834; Sand 55 Mlbs.

- 7) Flow back well to pit on 16/64' choke until wellhead pressure is less than 50 psig.
- 8) Kill well if necessary with clean produced water + biocide. Unscrew frac valve and RU BOPE.
- 9) RIH with sinker bar on sand line and tag fill.
- 10) If fill is encountered above 2080' TIH with hydrostatic bailer and 2-3/8" tubing. Clean out to 2080'.
- 11) TIH with tubing anchor, stator, 2-3/8" x 4' sub, seat nipple and 2-3/8" tubing. Set tubing anchor @ +/- 2020'.
- 12) ND BOP equipment. Strip on tubing head and land tubing.
- 13) Pick up and strap +/- 2020' of 3/4" grade D sucker rods. TIH with rotor and 3/4" rods. Hang off rods and install drive head. Put well on production.

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-70247</b>
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:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>Davis Canyon 12-13-25 # 1</b>
2. NAME OF OPERATOR: <b>Pioneer Natural Resources USA, Inc., Attn: Kally Boulay</b>		9. API NUMBER: <b>4304732618</b>
3. ADDRESS OF OPERATOR: 1401 17th Street, # 1200 CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>	PHONE NUMBER: <b>(303) 675-2719</b>	10. FIELD AND POOL, OR WILDCAT: <b>Davis Canyon</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1987 FNL &amp; 655 FEL</b>		COUNTY: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 12 13S 25E</b>		STATE: <b>UTAH</b>

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: <b>6/5/2006</b>	<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 type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

5/18/2006 - Bleed well down. Remove BOPE. Install 7" Frac Valve on wellhead flange  
 5/20/2006 - RU Mesa Wireline. RIH, corrolate and set 7" CIBP @ 2150'. RU dump bailer. Made 3 bailer runs dumping 3 sks cement on top of CIBP @ 2150'. RD Mesa Wireline.  
 5/22/2006 - RIH with Mesa Wireline. Tag solid cmt @ 2125'. Soft cmt @ 2115'. RU and dump 2 more sks cmt on CIBP @ 2150'.  
 5/23/2006 - Frac crew on site. RU Mesa Wirline. RIH with perf gun. Tag cmt solid @2115'. CIBP @ 2150'. Perf zone 1954' to 1958' with 4 SPF. All guns fired.  
 - RD wireline. RU frac head. Frac interval 1954' - 1958'. 70% foam. AIR bpm - 20.0. ASTP psi 1700. ISIP psi 1178. Total N2 scf 294,500. Total propannt lbs - 26,227 20/40.  
 - RD frac head. RU wireline. Set 7" flow thru RBP @ 1944'. Perf interval 1930' to 1934' and 1908' - 1916' with 4 SPF. All guns fired.  
 - RD wireline. RU frac head. Frac intervals 1908'-1916' and 1930'-1934'. 70% foam. Bkdn psi 893. AIR bpm - 30. ASTP psi - 1700. ISIP psi - 1282. Total N2 scf 554,500. Total propannt lbs - 94,935 20/40.

\*\* Continued on next page \*\*

NAME (PLEASE PRINT) <u>Kallasandra Boulay</u>	TITLE <u>Engineering Analyst</u>
SIGNATURE	DATE <u>6/8/2006</u>

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- 5/23/2006
- RD frac head. RU wireline. Set 7" flow thru RBP @ 1900'. Perf interval 1874'-1878' with 4 SPF. All guns fired.
  - RD wireline. RU frac head. Frac interval 1874'-1878'. 70% foam. Bkdn psi - 2486. AIR bpm - 20.0. ASTP psi - 1900. ISIP psi - 1301. Total N2 scf 279,800. Total propanant lbs - 24,935 20/40
  - RD frac head. Ru wireline. Set 7' flow thru RBP @ 1860'. Perf interval 1822'-1834' with 4 SPF. All guns fired.
  - RD wireline. RU frac head. Frac interval 1822'-1834'. 70% foam. Bkdn psi - 3883. AIR bpm - 20.0. ASTP psi - 1900. ISIP - 1519. Total N2 scf - 440,800. Total propanant lbs - 54,953 20/40. Open well on 16/64 @ 8:45 pm @ 1000 psi.
- 5/30/2006 to 6/4/2006
- Retrieve bridge plug at 1860', 1900' and 1944'
- 6/5/2006
- PU and RIH with bailer. Tag @ 2070'. PBTD 2115'. (45' fill). Work bailer from 2070'-2115' PBTD.
  - POOH with bailer. Dump aprox. 30' frac sand and small coal. Lay down bailer.
  - RU and RIH with DSK 40 H 200 PC Stator. RD tbg equip and floor. ND BOPE.
  - Install 7 1/16 x 3000 x 2 3/8 wellhead flange. Flow tee and Ragigan.
  - RU and RIH with rotor and 62 7/8 rods. Install 3 rod guides per rod. RD floor and rod equip.
  - Install drive head. RU hyd. Power pack. SDFN

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JUN 21 2006

DIV. OF OIL, GAS & MINING

**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**

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-70247</b>
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR: <b>Pioneer Natural Resources USA, Inc.</b>		7. UNIT or CA AGREEMENT NAME
3. ADDRESS OF OPERATOR: <b>1401 17th St., # 1200</b> CITY <b>Denvr</b> STATE <b>CO</b> ZIP <b>80202</b>		8. WELL NAME and NUMBER: <b>Davis Canyon 12-13-25 #1</b>
PHONE NUMBER: <b>(303) 675-2719</b>		9. API NUMBER: <b>4304732618</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>1987 FNL &amp; 655 FEL</b>		10. FIELD AND POOL, OR WILDCAT <b>Davis Canyon</b>
AT TOP PRODUCING INTERVAL REPORTED BELOW:		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 12 13S 25E</b>
AT TOTAL DEPTH:		12. COUNTY <b>Uintah</b>
		13. STATE <b>UTAH</b>

14. DATE SPUNDED: <b>1/19/1995</b>	15. DATE T.D. REACHED: <b>2/19/1995</b>	16. DATE COMPLETED: <b>6/5/2006</b>	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): <b>KB: 6342'</b>
---------------------------------------	--	--	---	---

18. TOTAL DEPTH: MD <b>4,554</b> TVD	19. PLUG BACK T.D.: MD <b>2,115</b> TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? * <b>N/A</b>	21. DEPTH BRIDGE MD <b>2,150</b> PLUG SET: TVD
---	--	--	---

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**\*None\***

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
12 1/4	9 5/8	36	0	579		325		0	
8 5/8	7	23	0	3,925		680		0	Circ. to Surf 15 bbls

**26. 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	4,551							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)					1,822 1,834	.46	48	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)					1,874 1,878	.46	16	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)					1,908 1,934	.46	48	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)					1,954 1,958	.46	16	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
1822-1834	70% foam - 440,800 scf N2 - 54,953 lbs 20/40
1874-1878	70% foam - 279,800 scf N2 - 24,935 lbs 20/40
1908-1958 & 1954-1958	70% foam - 554,500 scf N2 - 94,935 lbs 20/40 & 294,500 scf N2 - 26,277 lbs 20/40

29. ENCLOSED ATTACHMENTS:	30. WELL STATUS:
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____ <input type="checkbox"/> DIRECTIONAL SURVEY	

**RECEIVED**  
**JUL 03 2006**

**31. INITIAL PRODUCTION**

**INTERVAL A (As shown in Item #26)**

DATE FIRST PRODUCED: <b>6/6/2006</b>		TEST DATE: <b>6/6/2006</b>		HOURS TESTED: <b>15</b>		TEST PRODUCTION RATES: →	OIL - BBL: <b>0</b>	GAS - MCF: <b>171</b>	WATER - BBL: <b>248</b>	PROD. METHOD: <b>A. Lift</b>
CHOKE SIZE:	TBG. PRESS. <b>0</b>	CSG. PRESS. <b>38</b>	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS: <b>Venting</b>

**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.)**

**Vented**

**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

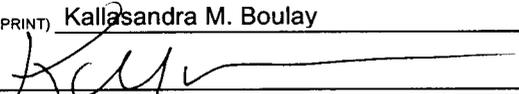
Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**34. FORMATION (Log) MARKERS:**

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Mesaverde	0	2,150			

**35. ADDITIONAL REMARKS (Include plugging procedure)**

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

NAME (PLEASE PRINT) Kallasandra M. Boulay TITLE Engineering Analyst  
 SIGNATURE  DATE 6/28/2006

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 Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>U-70247</b>
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:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>Davis Canyon 12-13-25 # 1</b>
2. NAME OF OPERATOR: <b>Pioneer Natural Resources USA, Inc., Attn: Kally Boulay</b>		9. API NUMBER: <b>4304732618</b>
3. ADDRESS OF OPERATOR: 1401 17th Street, # 1200 CITY Denver STATE CO ZIP 80202	PHONE NUMBER: <b>(303) 675-2719</b>	10. FIELD AND POOL, OR WILDCAT: <b>Davis Canyon</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1987 FNL &amp; 655 FEL</b> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 12 13S 25E</b>		COUNTY: <b>Uintah</b> STATE: <b>UTAH</b>

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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>6/23/2006</b>	<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 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 type="checkbox"/> OTHER: _____
	<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.  
Please be advised that Pioneer Natural Resources is producing the Davis Canyon 12-13-25 # 1 well to sales as of 6-23-2006.

NAME (PLEASE PRINT) <u>Kallasandra M. Boulay</u>	TITLE <u>Engineering Analyst</u>
SIGNATURE	DATE <u>6/28/2006</u>

(This space for State use only)

**RECEIVED**  
**JUL 03 2006**  
DIV. OF OIL, GAS & MINING

43-047-32618



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

June 5, 2007

Pioneer Natural Resources USA, Inc.  
Attn: Sharon Logan  
1401 Seventeenth Street, Suite 1200  
Denver, Colorado 80202

Re: Initial Mesaverde Formation PA  
Displacement Point Unit  
Uintah County, Utah

Gentlemen:

The Initial Mesaverde Formation PA, Displacement Point Unit, UTU79759A, is hereby approved effective as of June 5, 2006, pursuant to Section 11 of the Displacement Point Unit Agreement, Uintah County, Utah.

The Initial Mesaverde Formation PA results in an Initial Participating Area of 360.00 acres and is based upon the completion of the Davis Canyon Well No. 12-13-25 #1, API No. 43-047-32618, in the SE $\frac{1}{4}$  NE $\frac{1}{4}$  of Section 12, Township 13 South, Range 25 East, SLM&B, Federal Unit Tract No. 4, Lease No. UTU70247, as being a well capable of producing unitized substances in paying quantities.

Copies of the approved request are being distributed to the appropriate agencies and one copy is returned herewith. Please advise all interested parties of the establishment of the Initial Mesaverde Formation PA, Displacement Point Unit, and the effective date.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

RECEIVED

JUN 07 2007

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. DJJ
2. CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**3/1/2010**

<b>FROM: (Old Operator):</b> N5155-Pioneer Natural Resources USA, Inc. 1401 17th St, Suite 1200 Denver, CO 80202  Phone: 1 (303) 675-2610	<b>TO: ( New Operator):</b> N3655-Foundation Energy Management, LLC 14800 Landmark Blvd, Suite 2200 Dallas, TX 75254  Phone: 1 (918) 585-1650
--	--

WELL NAME	CA No.	SEC	TWN	RNG	API NO	Unit:	ENTITY NO	LEASE TYPE	DISPLACEMENT POINT	WELL TYPE	WELL STATUS
<b>SEE ATTACHED LIST</b>											

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 3/18/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 3/18/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2010
- 4a. Is the new operator registered in the State of Utah: Business Number: 7591070-0161
- 5a. (R649-9-2)Waste Management Plan has been received on: Requested
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA
7. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: not yet
8. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 5/20/2010
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/10/2010
3. Bond information entered in RBDMS on: 5/20/2010
4. Fee/State wells attached to bond in RBDMS on: 5/20/2010
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

**BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UTB000427
2. Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number B005552 & B005635
- 3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/10/2010

**COMMENTS:**

**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.

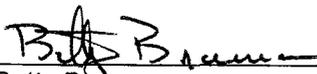
		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>See Attached List</b>
2. NAME OF OPERATOR: Foundation Energy Management, LLC		9. API NUMBER:
3. ADDRESS OF OPERATOR: 14800 Landmark Blvd. - Ste 220 CITY Dallas STATE TX ZIP 72254		10. FIELD AND POOL, OR WILDCAT:
PHONE NUMBER: (918) 585-1650		
4. LOCATION OF WELL		
FOOTAGES AT SURFACE:		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

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

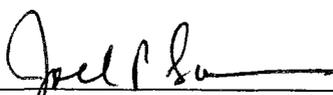
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input 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: <b>1/1/2010</b>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" 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 type="checkbox"/> OTHER: _____
	<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.

Foundation Energy Management, LLC. has acquired all of Pioneer Natural Resources USA, Inc.'s interest in the attached list of wells. Foundation Energy Management, LLC. assumed operations of these wells on March 1, 2010.

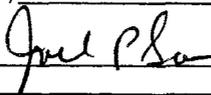
  
Betty Brownson  
Attorney-In-Fact  
Pioneer Natural Resources USA, Inc.

1401 17th Street - Suite 1200  
Denver, CO 80202  
Telephone: 303-675-2610  
Fax: 303-294-1255

  
Joel P. Sauer  
Vice President  
Foundation Energy Management, LLC.

14800 Landmark Blvd., Suite 220  
Dallas, Texas 75254  
UDOGM Bond No. ~~B005552~~ B005552 & B005635  
UT Trust Lands: B005499 BLM Bond No UTB000427  
Telephone: 918-585-1650  
Fax: 918-585-1660

NAME (PLEASE PRINT) Joel P. Sauer TITLE Vice President

SIGNATURE 

**APPROVED 5/20/2010** 3-10-2010 **RECEIVED**

(This space for State use only)

  
Earlene Russell  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

**MAR 18 2010**

DIV. OF OIL, GAS & MINING

Pioneer Natural Resources (N5155) to Foundation Energy Management (N3655)  
EFFECTIVE March 1, 2010

well_name	sec	twp	rng	api	entity	lease	type	stat	C
RAT HOLE CYN UNIT 1 7-8-14-25	08	140S	250E	4304730325	16219	Federal	GW	S	
DRY BURN U 1 1-29-13S-25E	29	130S	250E	4304730331	16218	Federal	GW	S	
ATCHEE RIDGE 24-13-25 1	24	130S	250E	4304732602	11963	Federal	GW	S	
DAVIS CANYON 12-13-25 1	12	130S	250E	4304732618	11970	Federal	GW	P	
ATCHEE RIDGE 15-13-25 1	15	130S	250E	4304732659	11962	Federal	GW	S	
FED ATCHEE RIDGE 22-13-25	22	130S	250E	4304735678	14972	Federal	GW	OPS	C
ATCHEE CANYON 4-25-12-25	25	120S	250E	4304735830	14371	Fee	GW	S	
UTCO FEE 23C-25-12-25	25	120S	250E	4304738252	15816	Fee	GW	OPS	C

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

FORM 9

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		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>Davis Canyon 12C-13-25#1</b>	
2. NAME OF OPERATOR: <b>Foundation Energy Management</b> Attn: Jack Rich	9. API NUMBER: <b>4304732618</b>	
3. ADDRESS OF OPERATOR: <b>14800 Landmark Boulevard, CITY Dallas STATE TX ZIP 75254</b>	PHONE NUMBER: <b>(970) 675-2034</b>	10. FIELD AND POOL, OR WILDCAT: <b>Davis Canyon</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1987 FNL &amp; 655 FEL</b> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENE 12 13S 25E</b>		COUNTY: <b>Uintah</b> STATE: <b>UTAH</b>

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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>6/18/2010</b>	<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
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	<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 type="checkbox"/> OTHER: _____
	<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.

Current Name and Well Number: Davis Canyon 12-13-25 #1

New Name and Well Number: Davis Canyon 12C-13-25 #1

NAME (PLEASE PRINT) <u>Jack Rich</u>	TITLE <u>Operations Superintendent</u>
SIGNATURE <u><i>Jack Rich</i></u>	DATE <u>6/18/2010</u>

(This space for State use only)

**RECEIVED**  
**JUN 28 2010**  
**DIV. OF OIL, GAS & MINING**