

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: Salt Lake City, Utah
SERIAL NO.: U-26341

and hereby designates:

NAME: Frank B. Adams
ADDRESS: 716 Wilson Building
Corpus Christi, TX 78476

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 20 South, Range 21 East, SLB&M

Section 12: NW/4 NE/4, S/2 NE/4, NW/4 and SE/4

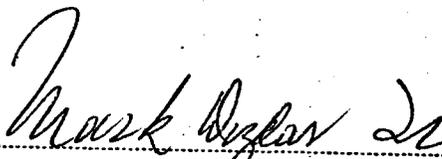
containing 440 acres of land, more or less in Grand County, Utah

This Form 9-1123 covers the Lessee's 25% interest in the above described acreage.

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.



(Signature of lessee)

Mark Dizdar, Trustee
1700 N. 10th Street
McAllen, Texas 78501

(Address)

December 6, 1978

(Date)

Frank B. Adams

OIL OPERATOR

716 WILSON BUILDING
CORPUS CHRISTI, TEXAS 78476

512-884-9004

January 2, 1979

Ten point plan to comply with NTL-6 (Supplement to 9-331 C)

Well name: Frank B. Adams No. 1 - 341
se nw 12-20s 21e, Grand County, Utah
Federal lease U-26341

1. Geological name of surface formation

Mancus shale

2. Estimated tops of important geological markers

Dakota	2,640'	Salt Wash	3,070'
Cedar Mtn	2,760'	Summerville	3,295'
Brushy Bas	2,810'	Entrada	3,345'

3. Estimated depth at which water, oil and/or gas is anticipated

Water - Possible gravel beds from surface to 150'
Oil & Gas - Cedar Mountain, Dakota, Brushy Basin and Salt Wash

4. Proposed casing program

See Paragraph 23 of 9-331-C

5. Pressure control details

- a. Rigan BOP 3,000 psi (Hyd closing unit), tested to 1,000 psi after surface casing is cemented, then daily thereafter.
- b. Grant rotating drilling head above BOP during air drilling and mud drilling
- c. Full shut-off gate valve on well and exhaust line

6. Drilling mud and weight material program

Operator plans to drill with air or mist to total depth. If excessive formation water, oil and/or gas is encountered, the hole will be mudded up with 100 vis 8.2 to 10# starch base drilling mud with KCL added and then drilled to T.D. Same procedure to be followed if drilled to T.D. with air to prepare for logging. Mud will be mixed and ready for use before reaching base of Dakota Silt.

7. Auxiliary equipment

- a. Demco kelly cocks
- b. Check valve at bit
- c. Visual monitoring of mud system
- d. Sub on the floor with full opening valve to be stabbed into drillpipe when kelly is out of string

8. Testing and logging program

- a. No formation tests anticipated
- b. Cuttings to be examined for hydrocarbon shows
- c. No coring planned
- d. Dual induction log to T.D. and if production is indicated a Compensated Neutron-Formation Density log will be run through prospective pay zones

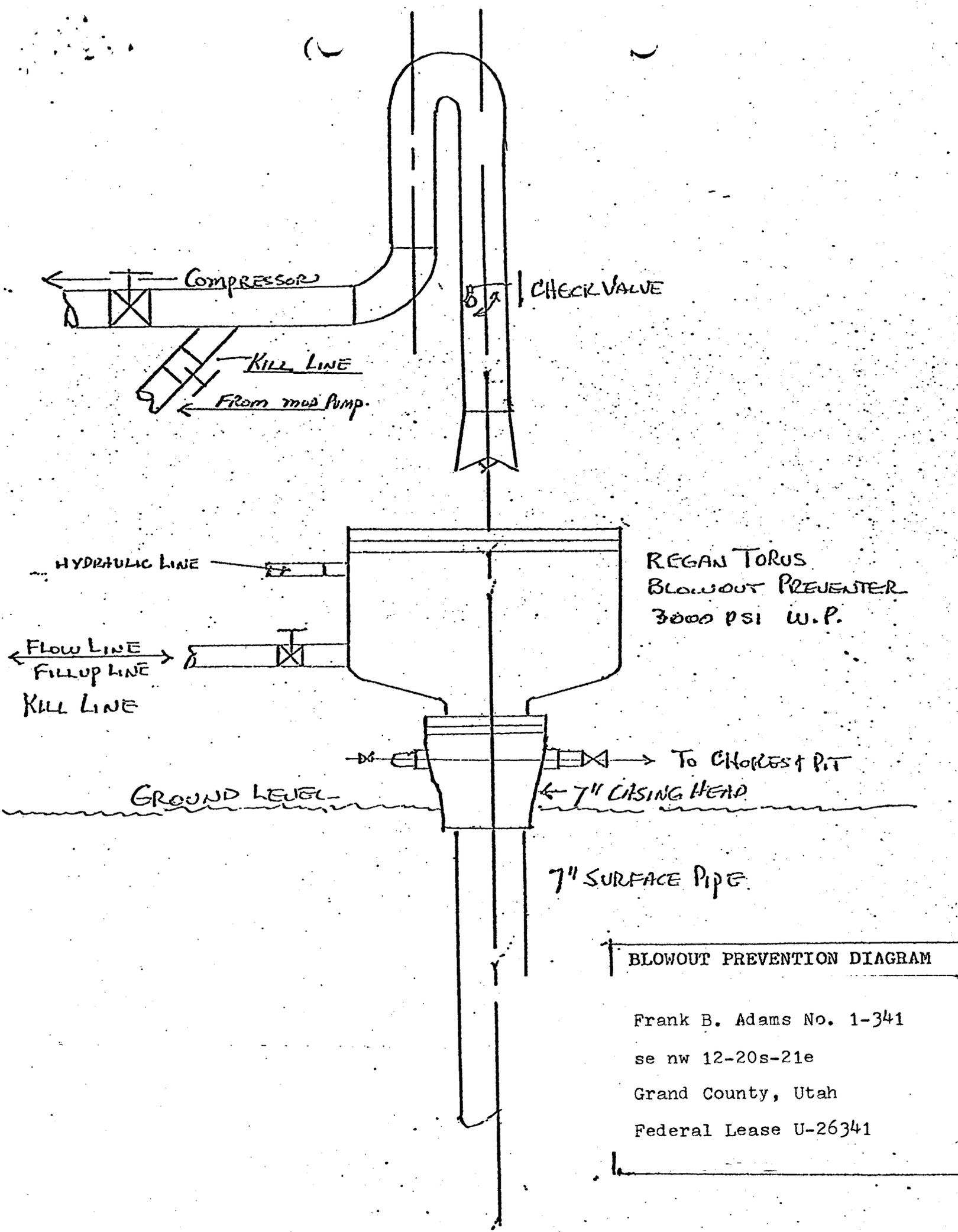
9. Anticipated abnormal pressures or temperatures

No abnormal conditions expected - estimated maximum BHP at T.D. = 1,100 psi

10. Anticipated starting date and duration of operations

On or about March 15, 1979 depending on rig availability with the actual operations being complete within two weeks after the hole is spudded.

FBA



BLOWOUT PREVENTION DIAGRAM

Frank B. Adams No. 1-341

se nw 12-20s-21e

Grand County, Utah

Federal Lease U-26341

Frank B. Adams

OIL OPERATOR
716 WILSON BUILDING
CORPUS CHRISTI, TEXAS 78476

January 2, 1979

512-884-9004

Re: Frank B. Adams No. 1-341
se nw 12-20s-21e SLB&M
Grand County, Utah
Federal Lease U-26341

Surface Use Plan (NTL-6)

1. Existing roads

- a. Proposed wellsite shown on attached plat (Exhibit "A")
- b. Frank B. Adams No. 1-341 is located approximately 15 miles wnw from Cisco, Utah, out the Cunningham Ranch road.
- c. Access road to location color-coded and labeled on attached plat (Exhibit "C")
- d. This location is classified as a field extension wildcat
- e. Existing roads within one mile radius are shown on attached Exhibit "C". Operator will follow Supron's road to the western se corner of Operator's lease, then an access road to location will be prepared, which location will be about 450' from Supron road.
- f. There will be no need to improve existing road as it will have been used to drill the Supron well offsetting the north line of the quarter section this well is located in.

2. Planned Access roads

Items 1 through 8 are included in remarks on attached plat shown as Exhibit "C". Access road is center flagged.

3. Location of existing wells

- a. Plat showing all wells within a two mile radius attached
- b. Color coded plat showing the above information

4. Location of existing and/or proposed facilities

- a. Operator does not own or control any facilities within a one mile radius of the proposed location
- b. NA

- c. In the event of oil production, a tank battery consisting of two 210 barrel crude storage tanks and if necessary, a separator, will be constructed on the pad. Oil will be removed by tank truck as produced. Tanks will be welded steel connected by a steel catwalk. All surface equipment will be painted "Desert Tan" to conform with the BLM regulations. In the event of gas production, producing facilities will be installed by either the operator or Northwest Pipeline depending on the size of the gas reserves. In either case, the facilities will consist of a meter run and other items that might be required to produce and market the production. Those facilities will be located on the pad, at least 100' from the wellhead and details of construction of any gathering lines or other producing facilities will be submitted to the BLM for approval when the right of way permit is applied for to connect to sales line.

Complete protective measures, such as fences, will be used to turn livestock and wildlife known to be in the area.

- d. Rehabilitation of all disturbed areas no longer needed after operations are completed, will be restored to a smooth contour and all debris will be cleaned up. Pits will be back filled and smoothed after drilling operations are concluded. If there is any delay in backfilling, fences will be erected around pits to be filled as well as those pits that might be required for production.

5. Location and type of water supply

- a. Water for drilling operations will be obtained at the Colorado River at Cisco approximately 17 miles from the location.
- b. Water will be transported by truck over existing roads- private, county and lease service roads.
- c. No water well is planned to be drilled on the lease.

6. Source of construction materials

- a. No construction materials, such as, sand, gravel and soil will be required other than native material found in place.
- b. No Federal or Indian lands will be the source of construction materials, if needed.
- c. In the event of production, a gravel pad is required for the tank battery and gravel will be hauled to the location by private contractor .
- d. Does not apply - no materials will be from Federal or Indian lands.

7. Methods of handling waste disposal

- a. Cuttings - Cuttings from air drilling will be exhausted into

a pit at the end of the exhaust line with the line being centered in the pit. After operations are completed, the pit will be covered over.

- b. Drilling fluids - To be contained in two steel mud tanks. A reserve pit will be prepared to contain any excess flow out of the well during drilling, cementing and completion operations. The pit(s) will be backfilled after operations are completed unless the pits are needed in connection with production of oil or gas.
- c. Produced fluids, such as oil and water - Oil will be properly stored in tanks erected for that purposes and water will be diverted into the pits and be disposed of as required by the amount of water involved.
- d. Sewerage - A chemical toilet will be provided on the location for use by personnel
- e. Garbage and other waste material - Will be contained in 42 gal drums and hauled off the location or buried later. A small mesh wire will enclose the trash pit to prevent wind from scattering the trash.
- f. Well site clean up - Wellsite and pad will be properly cleaned up and restored to a smooth contour when operations are completed and rig moved off location. Only that part of the pad required for producing facilities will be kept in use. In the event of a dryhole, only a dryhole marker will remain.

8. Ancillary facilities

There will be no field camps or air strips required for this operation

9. Well site layout

A plat on a scale of 1" = 50' is attached to this plan as Exhibit "D" showing:

- a. Cross- section of drillpad not shown since the rise in elevation is nil and no cuts or fills are anticipated
- b. Location of mud tanks, reserve pit, burn pit and trash pit, piperacks, living facilities and soil stockpiles are shown on attached Exhibit "D"
- c. Rig orientation, parking areas and access road is also shown on attached Exhibit "D"
- d. Pits shown are unlined and the only water that will be introduced into these pits will be fresh water used in drilling operations.

10. Plans to restore the surface

- a. Upon completion, the entire location will be restored including backfilling and leveling of pits, waste disposed of and spoils materials segregated, if required. The location will then be contoured to its original contour
- b. The pad and access road will be revegetated and rehabilitated during the month of October or November as required by the BLM
- c. Remaining pits will be fenced and maintained after rig is moved out until clean up can be preformed
- d. If there is any oil on the pits, it will either be removed by truck or covered and the pit flagged on the surface.
- e. Commencement and completion of rehabilitation operations will be completed during the month of October or November, weather permitting.

11. Other information

- a. This location is located on a flat area between an small valley and hill. The surface is raw Mesa Verde shale with some boulders and sparce vegetation, consisting of scattered sage brush. Lack of ground cover limits this area to a few coyotes and cottontails.
- b. At times the surface has been leased to cattlement for winter grazing by the BLM
- c. The proximity of water has been noted in Paragraph 5 above whcih is the Colorado River. The nearest occupied buildings (dwellings) are located at the Cunningham Ranch, some five miles southwest of the location.

There are no known archeological, historical or cultural sites in the area. The surface is under the jurisdiction of the Moab District of the Bureau of Land Management.

12. Operators Representative

Frank B. Adams
716 Wilson Building
Corpus Christi, TX 78476

512-884-9004

Ross L. Jacobs
2467 Commerce
Grand Junction, CO 81501

303-243-7814

13. I hereby certify that I 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

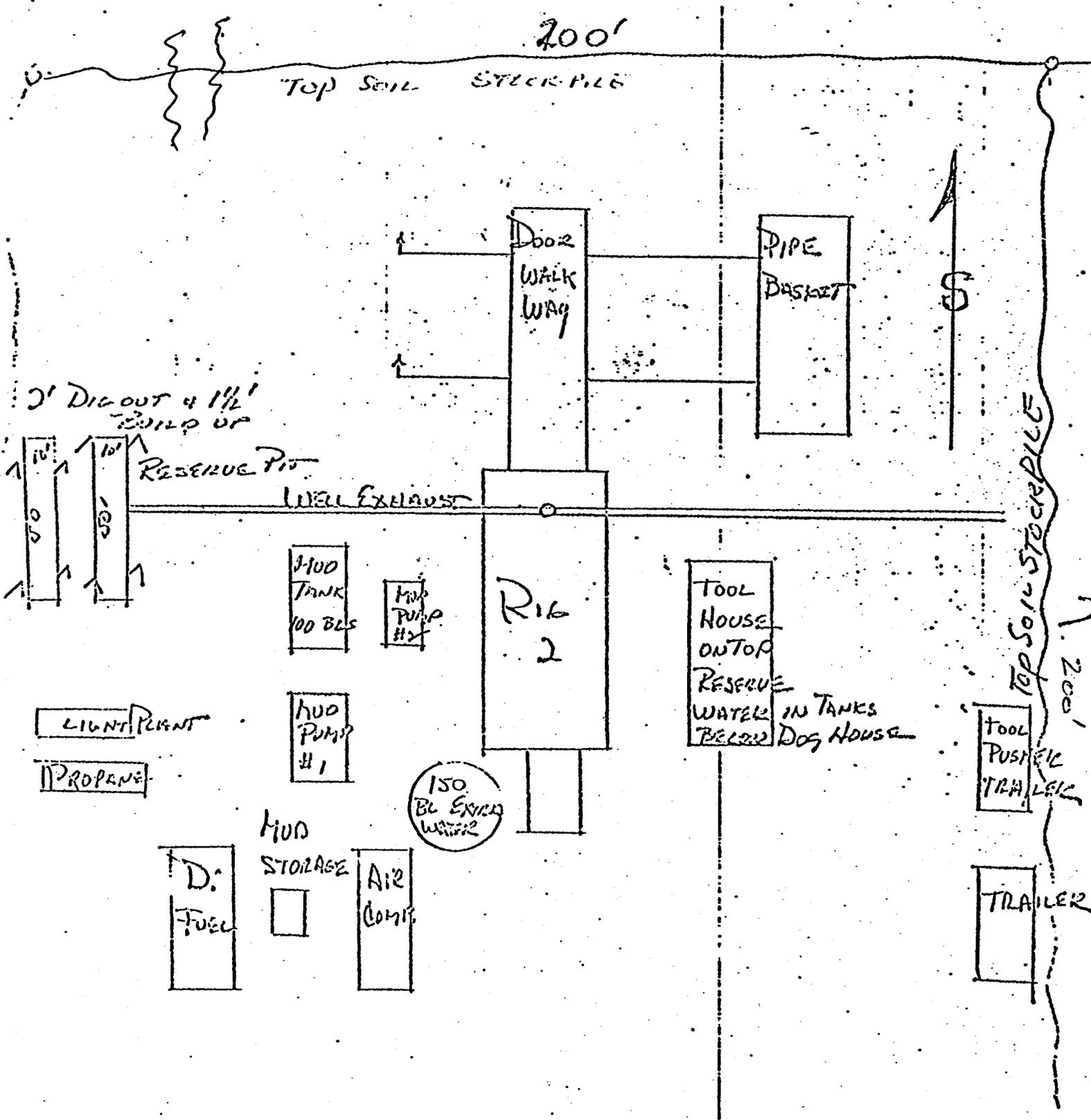
Surface use plan
Frank B. Adams No. 1-341

associated with the operations proposed herein will be preformed by Frank B. Adams and his contractors and subcontractors in conformity with this plan and terms and conditions under which it is approved.

Frank B. Adams

Frank B. Adams

12-30-78



WELL SITE LAYOUT

Jacobs Drilling Company
 2467 Commerce
 Grand Junction, CO 81501

Rig # 2

PARKING

EXHIBIT "D"



Frank B. Adams

OIL OPERATOR

716 WILSON BUILDING
CORPUS CHRISTI, TEXAS 78476

December 30, 1978

512-884-9004

Re: Frank B. Adams No. 1-341
Federal Lease U-26341
Calf Canyon Area
Grand County, Utah

The District Engineer
U. S. Geological Survey
8440 Federal Building
Salt Lake City, UT 84138

Dear Sir:

Enclosed in triplicate is Form 9-331-C "Application to Drill" the above noted test well.

The undersigned, along with Mark Dizdar, Tr. and W. D. Moschel are record owners of the subject lease and accordingly attached please find two \$ 10,000 drilling bonds and as part of each application Form 9-1123 Designation of Operator from each, designating the undersigned as Operator.

The undersigned has a \$25,000 Statewide Drilling Bond of record.

Attached to the Form 9-331 C is all of the supporting information required by NTL-6.

Kindly review the enclosed and contact me when an on-site inspection can be arranged.

Very truly yours,

Frank B. Adams

FBA/g
encl-5

cc: State of Utah ✓
Mark Dizdar, Tr.
W. D. Moschel
J. W. Southwell

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

** FILE NOTATIONS **

Date: Jan. 5.
Operator: Frank B. Adams
Well No: Sec. #1-341
Location: Sec. 12 T. 20S R. 21E County: Grand

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API NUMBER: 43-019-30479

CHECKED BY:

Administrative Assistant [Signature]
Remarks: No other well in Sec. 12
Petroleum Engineer _____
Remarks: _____
Director [Signature]
Remarks: _____

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. 102-12 Surface Casing Change
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site

O.K. Rule C-3 O.K. In _____ Unit
Other: _____

Letter Written/Approved



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
January 5, 1979

OIL, GAS, AND MINING BOARD

I. DANIEL STEWART
Chairman

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN

Frank B. Adams
716 Wilson Building
Corpus Christi, Texas 78476

Re: Well No. Federal #1-341
Sec. 12, T. 20 S, R. 21 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the order issued in Cause No. 102-12.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PATRICK L. DRISCOLL - Consultant
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30487.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY.**

5. LEASE DESIGNATION AND SERIAL NO.
U-26341

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
1-341

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
**Section 12
T20S R21E SLB&M**

12. COUNTY OR PARISH | 13. STATE
Grand | Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL &/or GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Frank B. Adams

3. ADDRESS OF OPERATOR
**716 Wilson Building
Corpus Christi, TX 78476**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface **2,310' fnl & 2,310' fwl - Section 12**
At proposed prod. zone **Township 20 South, Range 21 East, SLB&M**
Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
15 miles wnw from Cisco, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **330'**

16. NO. OF ACRES IN LEASE **880**

17. NO. OF ACRES ASSIGNED TO THIS WELL **160/gas - 20/oil**

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **NA**

19. PROPOSED DEPTH **3,400' Entrada**

20. ROTARY OR CABLE TOOLS **Rotary-Air**

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5,426' Gr. 5,436' DF

22. APPROX. DATE WORK WILL START*
When permitted

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-5/8ths"	7" *	20#	200'	60 sacks+ to surface
6 1/2"	4 1/2" **	9.5#	3,00'	150 sacks + 2 1/2 KGL

* 7" will be new 20# K-55 8R ST&C Range 3 pipe
** 4 1/2" will be new 9.5# K-55 8R ST&C Range 2 pipe

Attachments:

Supplement to 9-331 C as required by NTL-6
Surface use plan
Designation of Operator - Two
Seven point pressure control plan w/schematic of BOP



State of Utah, Department of Natural Resources
Division of Oil, Gas, and Mining
1588 West North Temple
Salt Lake City, Utah 84110

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

SIGNED Frank B. Adams TITLE Operator DATE January 2, 1979

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY (Orig. Sgd.) R. A. Henricks TITLE ACTING DISTRICT ENGINEER DATE OCT 10 1979
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

NECESSARY FLARING OF GAS DURING DRILLING AND COMPLETION APPROVED SUBJECT TO ROYALTY (NTL-4)

*See Instructions On Reverse Side

STATE OIG

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-26341

OPERATOR: Frank B. Adams

WELL NO. 1-341

LOCATION: SE 1/4 SE 1/4 NW 1/4 sec. 12, T. 20S, R. 21E, SLB+M
Grand County, Utah

1. Stratigraphy:

Operator projected tops are reasonable

2. Fresh Water: Useable water may be encountered in the sands of the Mancos shale to depths of 500'. Brackish water may be encountered in the Morrison Fm. at depths of 3100' to 3200' *

3. Leasable Minerals:

Geothermal potential of Cisco Dome has yet to be tested

4. Additional Logs Needed: Record well temperatures.

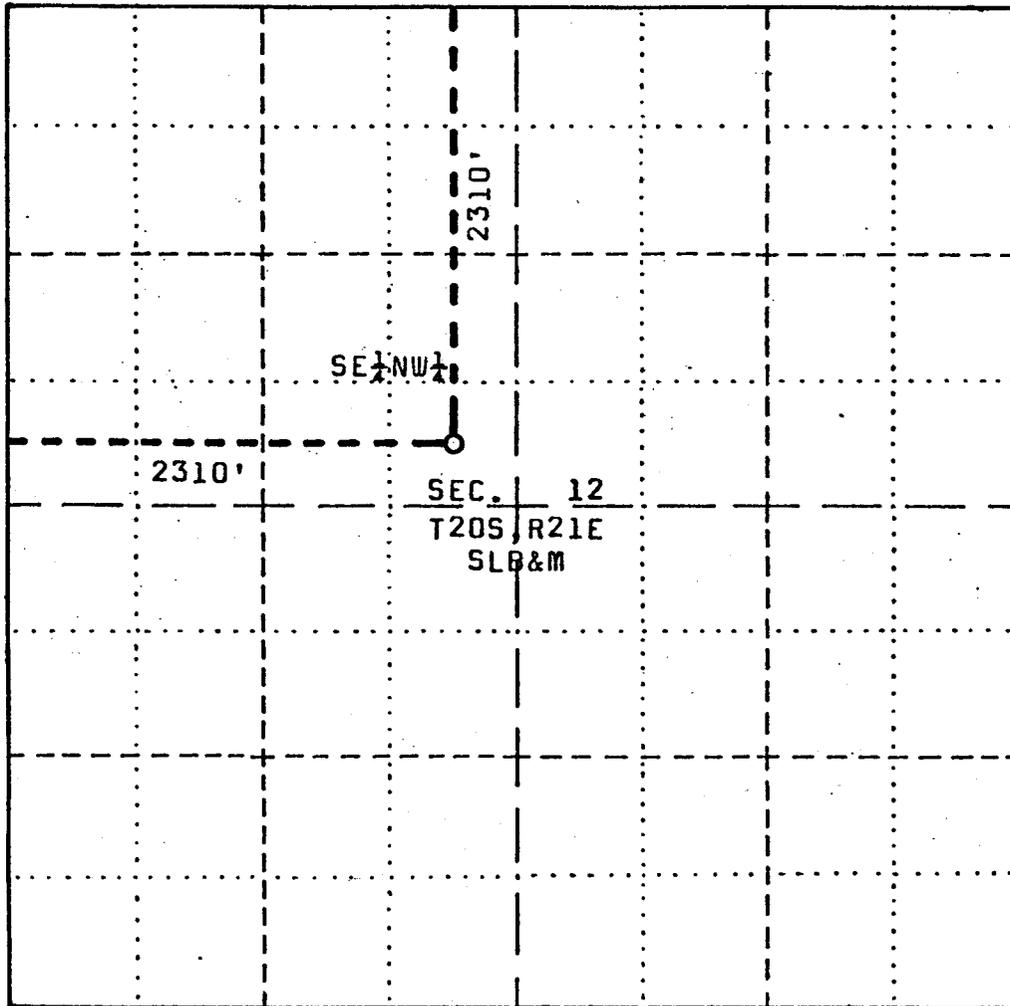
5. Potential Geologic Hazards: None expected

6. References and Remarks: Well located 1 mi from KGS

* Gaben. I1, 20S 22E 30, Tech Pubs #15, Utah St. Engineer, 1966

Signature: CR McDonald

Date: 1-23-79



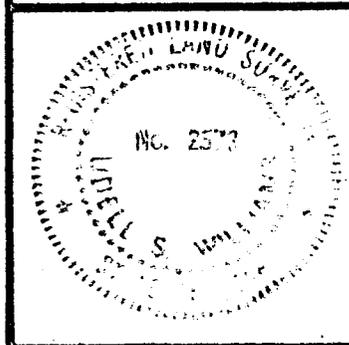
SCALE: 1" = 1000'

FRANK B. ADAMS
FEDERAL #1-341

Located South 2310 feet from the North boundary and East 2310 feet from the West boundary of Section 12, T20S, R21E, SLB&M.

Elev. 5426

Grand County, Utah



SURVEYOR'S CERTIFICATE

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

Udell S. Williams
 UTAH R.L.S. NO. 2573

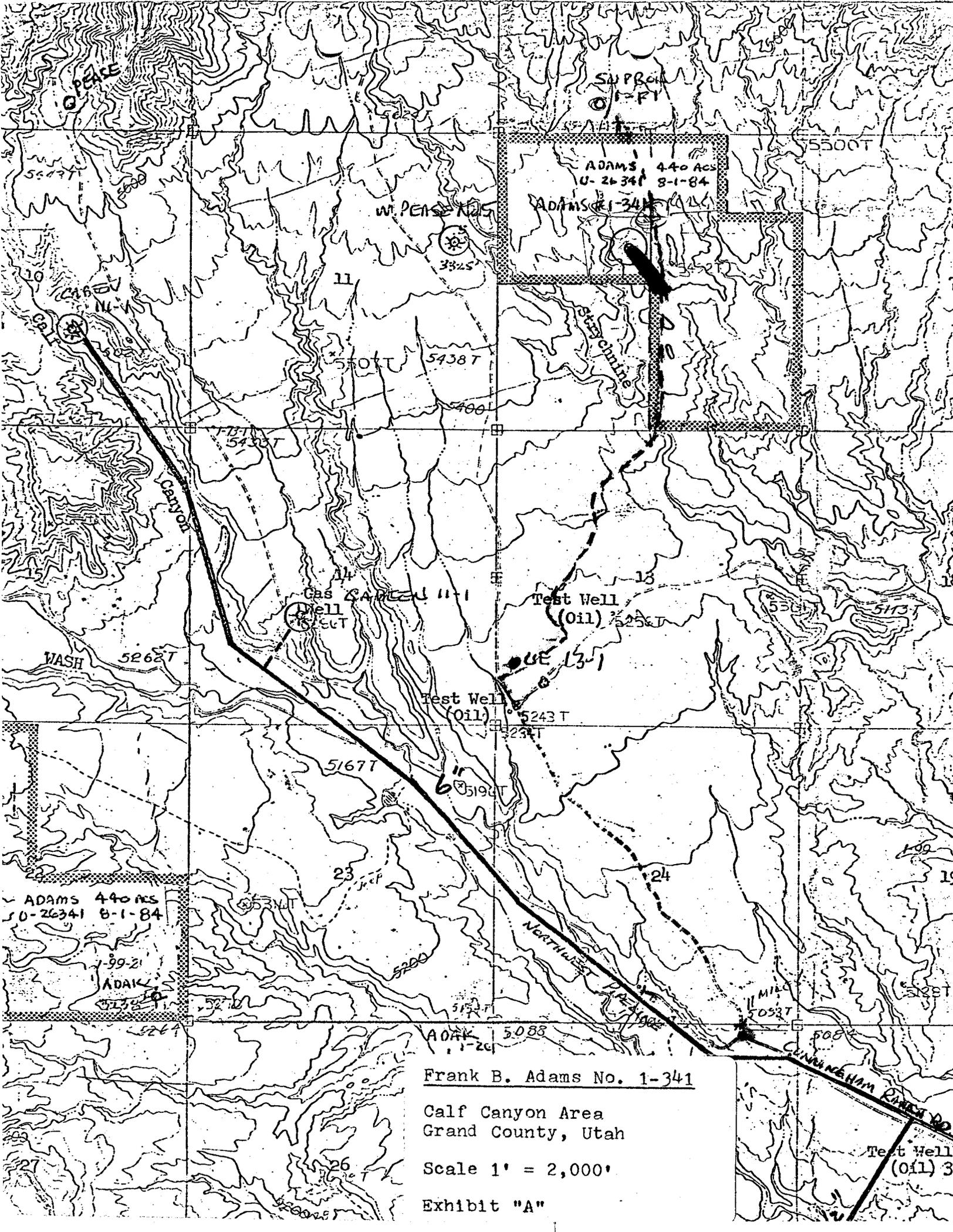


UDELL S. WILLIAMS
 751 Rood Avenue
 GRAND JUNCTION, COLORADO 81501

PLAT OF
 PROPOSED LOCATION
 FRANK B. ADAMS
 FEDERAL #1-341
 SEC. 12, T20S, R21E, SLB&M

SURVEYED BY: USW DATE: 11/8/78

DRAWN BY: USW DATE: 11/8/78



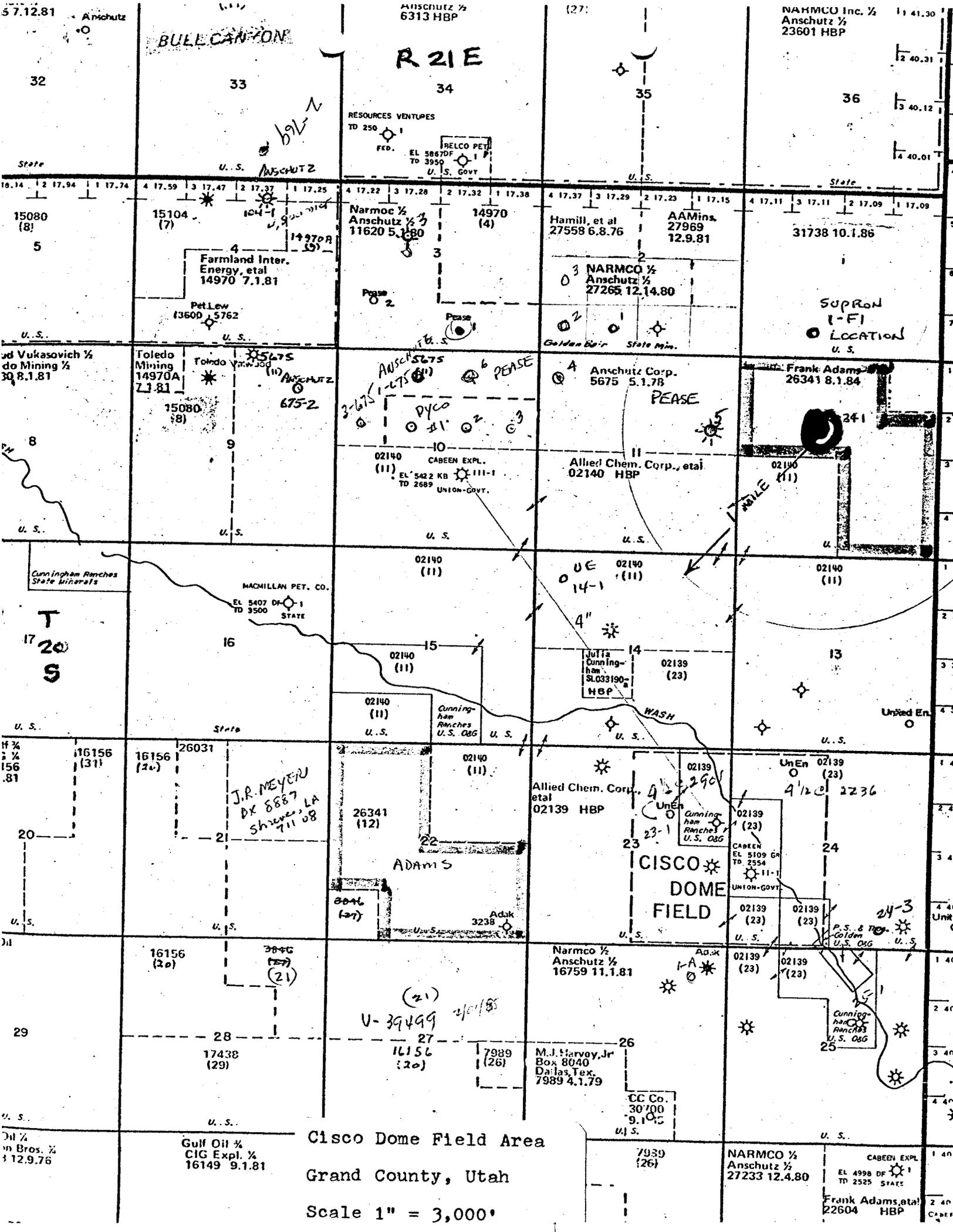
Frank B. Adams No. 1-341

Calf Canyon Area
Grand County, Utah

Scale 1" = 2,000'

Exhibit "A"

Test Well
(Oil) 3



BULL CANYON

R 21 E

NAHMCO Inc. 1/2
Anschutz 1/2
23601 HBP

RESOURCES VENTURES
TD 250

RELCO PET
EL 5867 DF
TD 3950
U.S. GOVT

U.S. ANSCHUTZ

U.S.

State

15080 (8)
5

15104 (7)

Narmoc 1/2
Anschutz 1/2
11620 5.180

14970 (4)

Hamill, et al
27558 6.8.76

AAMins.
27969
12.9.81

31738 10.1.86

Farmland Inter.
Energy, etal
14970 7.1.81

Pet Lew
13600 5.762

3 NARMCO 1/2
Anschutz 1/2
27265 12.14.80

SUPRON
1-F1
LOCATION
U.S.

10 Vukasovich 1/2
do Mining 1/2
30 8.1.81

Toledo Mining
14970A
7.1.81

15080 (8)

ANSCUTZ
675-2

ANSCUTZ
PEASE
Dyco

Anschutz Corp.
5675 5.1.78
PEASE

Frank Adams
26341 8.1.84

02140 CABEEN EXPL.
(11)
EL 5422 KB
TD 2689
UNION-GOVT.

Allied Chem. Corp., etal
02140 HBP

02140 (11)

Cunningham Ranches
State Minerals

MACMILLAN PET. CO.
EL 5407 DF
TD 3500
STATE

02140 (11)

UE
14-1
4"

02140 (11)

T
17
20
S

16

02140 (11)

Cunningham Ranches
U.S. O&G

02139 (23)

13

16156 (31)
16156 (20)
26031

16156 (20)

J.R. MEYER
BX 8887
Shreve, LA
7/11/88

26341 (12)

02140 (11)

Allied Chem. Corp., etal
02139 HBP

02139 (23)

UnEn 02139 (23)

20

21

ADAMS

CISCO DOME FIELD

24

U.S.

U.S.

Adak 3238

02139 (23)

02139 (23)

02139 (23)

29

16156 (20)

3846 (21)

(21)
V-39499

16156 (20)

7989 (26)

M.J. Harvey, Jr
Box 8040
Dallas, Tex.
7989 4.1.79

CC Co.
30700
9.1.80

25

Oil &
Bros. 1/2
12.9.76

Gulf Oil 1/2
CIG Expl. 1/2
16149 9.1.81

Cisco Dome Field Area

Grand County, Utah

Scale 1" = 3,000'

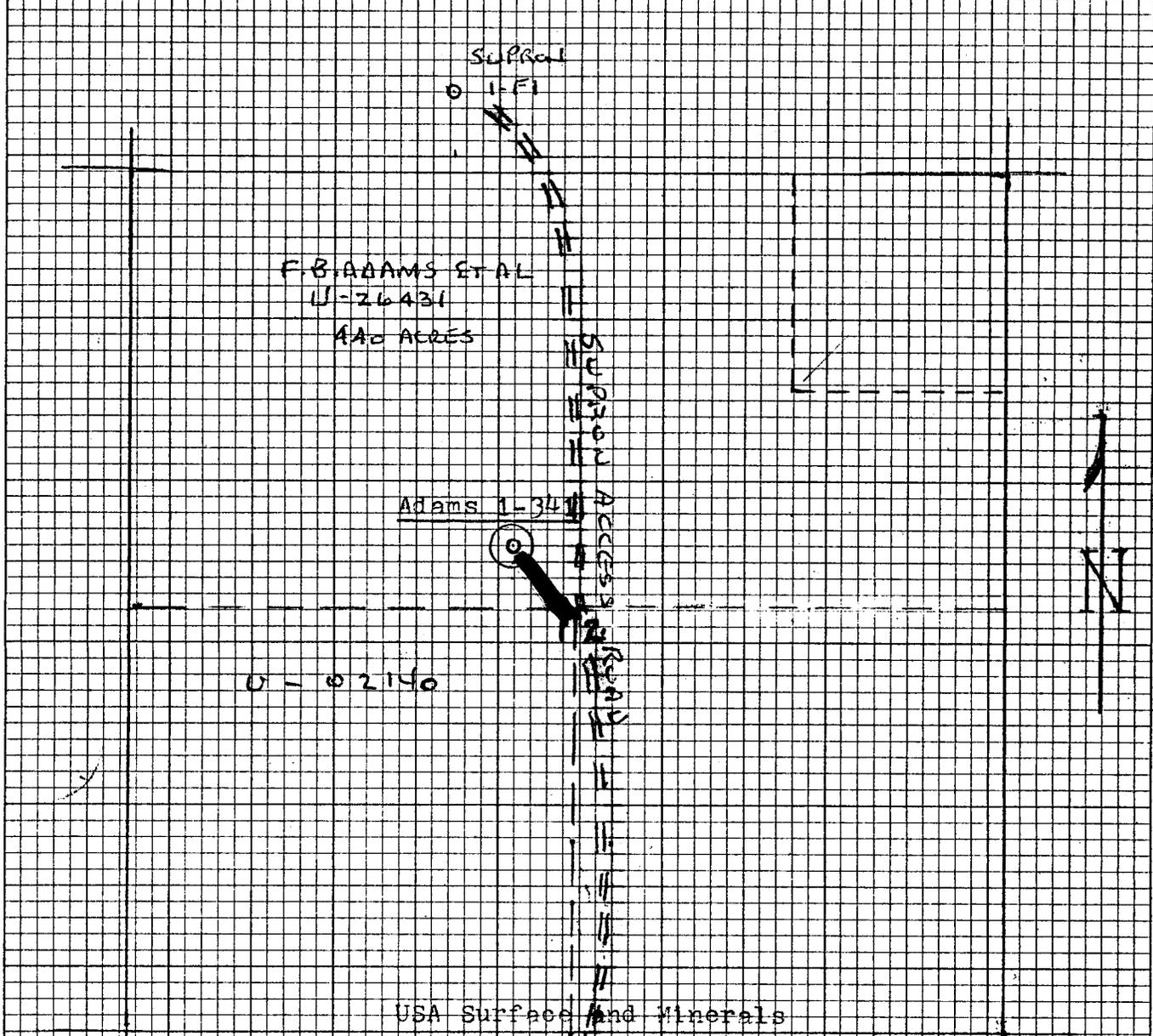
7939 (26)

NARMCO 1/2
Anschutz 1/2
27233 12.4.80

CABEEN EXPL.
EL 4998 DF
TD 2525 STATE

Frank Adams, etal
22604 HBP

Township 20 South - Range 21 East



EUGENE DIETZGEN CO.
MADE IN U. S. A.

NO. 340-10 DIETZGEN GRAPH PAPER
10 X 10 PER INCH

F.B. ADAMS ET AL
U-26431
440 ACRES

Adams 1-341

U-02140

USA Surface and Minerals

Specs for road:

1. Width - 16' max
2. No grade necessary
3. No turnouts required
4. Natural drainage
5. Arculvert required between Supron road and location
6. Surface material - native bladed no more than 3" deep
7. No gates or fence cut or cattle guard needed
8. Proposed road is center flagged

EXHIBIT "C"

Frank B. Adams No. 1-341
se nw 12 20s 21e
Calf Canyon Area
Grand County, Utah

Scale 1" = 1,000'

Proposed Action:

On January 3, 1979, Frank B. Adams filed an Application for Permit to Drill the No. 1-341 exploratory well, a 3400-foot oil and gas test of the Entrada Formation; located at an elevation of 5426 feet in the SE/4 NW/4 Sec. 12, T20S, R21E on Federal mineral lands and public surface; lease No. U-26341. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Freshwater sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans are on file in the USGS District Office in Salt Lake City, Utah, and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming.

A working agreement has been reached with the Bureau of Land Management, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 200 feet wide x 200 feet long and a reserve pit 10 feet x 50 feet. A new access road would be constructed 16 feet wide x 0.1 miles long from an existing and improved road. *The operator plans to use a proposed access road to be built by Supron Energy this spring. This road will upgrade two miles of Jeep trail to an exploratory use road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, detailed plans for production facilities would be submitted to the appropriate agencies for approval. The anticipated starting date is May 1979 and duration of drilling activities would be about 15 days.

Location and Natural Setting:

The proposed drill site is approximately 15 miles NNW of Cisco, Utah, the nearest town. A poor Jeep trail runs to within 0.1 miles of the location. This well is a wildcat well.

Topography:

The proposed location approximately one mile south of the base of the Bookcliffs on a flat ridge top between two drainages. The ridge slopes north to south at approximately 2%.

Geology:

The surface geology is Mancos with some Mesa Verde erosional elements. No geologic hazards are known near the drill site. Seismic risk for the area is minor. Anticipated geologic tops are filed with the 10-Point Subsurface Protection Plan.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist but would be minimized by air drilling. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep into the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

Soils:

No detailed soil survey has been made of the project area. The topsoils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community. The pinyon-juniper association is also present.

Topsoil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately two acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut areas would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

The operator proposed to control drill cutting dust from blowie line discharge.

Precipitation:

Annual rainfall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rainstorms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominantly from the south. Air mass inversions occur in region. The climate is semiarid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The closest live water is Nash Wash, Sec. 16, T20S, R21E. This was suggested as a possible alternate, privately owned water source. Two drainages border the east and west sides of the location. A protective 30' undisturbed vegetative strip will remain as an aid to minimize erosion into the drainages.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Groundwater Hydrology:

Some minor pollution of groundwater systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of freshwater would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of freshwater formations are listed in the 10-Point Subsurface Protection Plan. The pits would be unlined. If freshwater should be available from the well, the owner or surface agency may request completion as a water well if given approval.

The operator's approval will be conditioned that all freshwater zones be protected. Possible water in gravel beds near the surface is anticipated by operator.

Vegetation:

Plants in the area are of the salt-desert-shrub types grading to the pinyon-juniper association.

Proposed action would remove about two acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing. The operator proposes to rehabilitate the surface upon completion of operations.

Wildlife:

Animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area. The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays. The area is a critical deer winter range and man's activity during winter is restricted to minimize the impact on wildlife.

Social-Economic Effect:

When the snow melts, an on-the-ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations, activity would cease until the extent, scientific importance, and the method of mitigating the adverse affects could be determined by a qualified cultural resource specialist.

There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and are judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect of one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Grand County. But, should this well discover a significant new hydrocarbon source, local, state, and possibly national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the well site be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment. The area is in a critical deer winter range.

Portions of the existing access road are on private surface. A private owner surface rehabilitation agreement would be required prior to approval.

There are no other national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails, or other formally designated recreational facilities near the proposed location.

The proposed location is within the Book Mountain Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash pit would be utilized for any solid wastes generated at the site and would be buried at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

Alternative to the Proposed Action:

- 1) Not Approving the Proposed Permit--The Oil and Gas Lease Grants the Lessee Exclusive Right to Drill For, Mine, Extract, Remove and Dispose of All Oil and Gas Deposits.

Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and other controlling agencies' supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of oil and gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

- 2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

(See attached memo to operator for modifications and stipulations.)
(See Bureau of Land Management Conditions of Approval.)

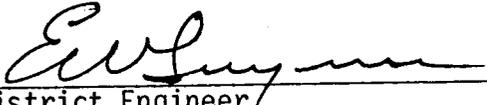
Adverse Environmental Effects Which Cannot be Avoided:

Surface disturbance and removal of vegetation from approximately two acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, leaks, spills of gas, oil or water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for subsurface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the Colorado River. The potential for pollution to unnamed drainages would exist through leaks and spills.

Determination:

This requested action ~~does~~/does not constitute a major Federal Action significantly affecting the environment in the sense of NEPA, Sec. 102(2)(C).

2/21/79
Date


District Engineer
U. S. Geological Survey
Conservation Division
Oil and Gas Operations
Salt Lake City District





SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

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Executive Director,
NATURAL RESOURCES

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DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

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THADIS W. BOX
C. RAY JUVELIN

November 9, 1979

Frank B. Adams
716 Wilson Bldg.
Corpus Christi, Tex.

78476

RE: Well# Federal 1-341
Sec. 12, T. 20S, R. 21E,
Grand County, Utah

Gentlemen:

In reference to above mentioned well, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms.* Until these reports are filed, there will be no more approval of applications from this office.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

: *Debbie Beauregard*
DEBBIE BEAUREGARD
CLERK-TYPIST

*If we do not hear from you within fifteen (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan to drill at a later date, please notify as such.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Frank B. Adams

WELL NAME: Federal 1-341

SECTION 12 SE NW TOWNSHIP 20S RANGE 21E COUNTY Grand

DRILLING CONTRACTOR Jacobs Drilling

RIG # 2

SPUDDED: DATE 11/15/79

TIME 5:30 a.m.

HOW rotary

DRILLING WILL COMMENCE ?

REPORTED BY Frank Adams

TELEPHONE # (303) 243-6790 (Holiday Inn)

DATE November 15, 1979

SIGNED W. S. Munder

cc: USGS

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Frank Adams

WELL NAME: Federal 1-341

SECTION 12 SE NW TOWNSHIP 20S RANGE 21E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG THE ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 3390'

CASING PROGRAM:

8 5/8" @ 212' circ. to surface
7 7/8" openhole
air drilled to 2633'
mist drilled to 3378'
Water at 3390'

FORMATION TOPS:

Granaro 2514'
Dakota 2618'
Morrison 2867'
Salt Wash 3010'
Entrada 3300'

PLUGS SET AS FOLLOWS:

#1 3350' - 3180' 50 dx
#2 2670' - 2500' 50 dx (Mancos)
#3 280' - 110' 50 dx
#4 30' - surface 10 dx

8.9# polymer mud between plugs; clean up site and erect regulation dryhole marker.

DATE November 21, 1979

SIGNED Original Signed By M. T. Minder

cc: USGS



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

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EDWARD T. BECK
E. STEELE McINTYRE

November 21, 1979

Frank Adams
716 Wilson Bldg.
Coppus Christi, Texas 78476

Gentlemen:

Attached is a copy of the final order in Cause No. 102-16B.

You will note that this order requires a copy of the property or lease line to be filed with the Application for Permit to Drill. If this only covers the pertinent section, so state.

No new Applications for Permit to Drill will be granted unless all required forms on existing wells are up to date. Also, some operators have not been submitting their 2 mill conservation levy as authorized under Section 40-6-14, Utah Code Annotated, 1953, as amended. The required sales report, Form 5, may be obtained upon request from this office.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Cleon B. Feight
Director

/btm

cc Well Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.
U-26341

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Abandonment		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Frank B. Adams		8. FARM OR LEASE NAME Federal	
3. ADDRESS OF OPERATOR 716 Wilson Bldg., Corpus Christi, TX 78476		9. WELL NO. No. 1-341	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 2,310' fs fml & 2,310' fwl Section 12, Twp. 20 S, Range 21 E, SLB&M		10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO. 43-019-30487		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,426' Gr.	
		12. COUNTY OR PARISH Grand	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

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

17. 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.)*

Verbal approval to abandon received 11/21/79

(1) 1st plug @ 3,180' - 3,350' w/ 50 sks Class G
 (2) 2nd plug @ 2,495' - 2,665' w/ 50 sks Class G
 (3) 3rd plug @ 97' - 267' w/20 sks Class G - in and out of surface
 (4) 4th plug @ Surface w/10 sks Class G + dryhole marker

Pits have been back filled and location is being restored and will be rehabilitated as planned.

Electric logs mailed direct to USGS and State by Schlumberger.

COPY

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

SIGNED Frank B. Adams TITLE Operator DATE 11-30-79

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5

6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR
Frank B. Adams

3. ADDRESS OF OPERATOR
716 Wilson Bldg., Corpus Christi, TX 78476

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2,310' fwl & 2,310' fwl Sec. 12-20s-21e SLB&M
At top prod. interval reported below NA SE NW
At total depth Same as above

5. LEASE DESIGNATION AND SERIAL NO.
U-26341

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
1-341

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Section 12, Twp. 20 S,
Rge. 21 E, SLB&M

14. PERMIT NO. 43-019-30489 | DATE ISSUED 10-10-79

12. COUNTY OR PARISH Grand
18. STATE Utah

15. DATE SPUDDED 11-14-79 | 16. DATE T.D. REACHED 11-21-79 | 17. DATE COMPL. (Ready to prod.) NA | 18. ELEVATIONS (DF, RES, RT, GR, ETC.)* 5,426' Gr | 19. BLEV. CASINGHEAD NA

20. TOTAL DEPTH, MD & TVD 3,394' | 21. PLUG, BACK T.D., MD & TVD NA | 22. IF MULTIPLE COMPL., HOW MANY* NA | 28. INTERVALS DRILLED BY ROTARY TOOLS → P-3,390' | CABLE TOOLS 0

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
NA

25. WAS DIRECTIONAL SURVEY MADE
NA

26. TYPE ELECTRIC AND OTHER LOGS RUN
Dual Induction-Laterolog & Comp. Neutron-Density

27. WAS WELL CORRED
No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
2 1/2 x 2 1/2					
8-5/8ths	24#	212'	11-3/4ths"	Circle to surface 50 sks	None

29. LINER RECORD | 30. TUBING RECORD

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

31. PERFORATION RECORD (Interval, size and number)

Plugging Record:
3,180' - 3,350' w/ 50 sks Class G
2,495' - 2,665' w/ 50 sks Class G
97' - 267' w/ 20 sks Class G
Surface plug w/10 sks + marker

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

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

38.* PRODUCTION

DATE FIRST PRODUCTION Dryhole | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Producing or

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

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

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 Frank B. Adams TITLE Operator DATE 11-30-79

RECEIVED

DEC 17 1979

COPY

TEST WITNESSED BY
DIVISION OF
OIL, GAS & MINING

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Dakota	2,540'		Air to 2,636' picked up some wtr
Cedar Mountain	2,650'		Some Buckhorn @ 2,735' tite
Morrison	2,867'		Mist drilled - no shows
Salt Wash	2,975'		" " "
Curtis	3,220'		" " "
Entrada	3,300'		" " "
			Note: Above picks by Don Quigley

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH

FILE IN QUADRUPPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED

DEC 17 1979

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Frank B. Adams No. 1-341
Operator: Frank B. Adams Address: 716 Wilson Building
Corpus Christi, TX 78476
Contractor: Jacobs Drilling Co. Address: Grand Junction, CO
Location se 1/4 nw 1/4; Sec. 12 T. 20s N, R. 21e E; Grand County.
S W

Water Sands:

<u>Depth:</u>		<u>Volume:</u>	<u>Quality:</u>
From-	To-	Flow Rate or Head	Fresh or Salty
1. <u>2,636'</u>	<u>3,394</u>	<u>Est 10 bbls/day</u>	<u>Salty</u>
2. <u>Mist drilled from 2,636' to 3,394 total depth, no increase in water</u>			
3. _____			
4. _____			
5. _____			

(Continue on Reverse Side if Necessary)

Formation Tops:

Dakota	2,540'	Morrison	2,867'	Curtis	3,220'
Cedar Mountain	2,650'	Salt Wash	2,975'	Entrada	3,300'

Remarks:

- NOTE: (a) Upon diminishing supply of forms, please inform this office.
(b) ~~Report~~ Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
(c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.