

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

U-35012

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Broken Arrow Federal

8. FARM OR LEASE NAME

9. WELL NO.

#14-8

10. FIELD AND POOL, OR WILDCAT

Field

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

Sec. 8, T11S, R22E. S.L.M.

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Diamond Shamrock

3. ADDRESS OF OPERATOR

85 South 200 East Vernal, UT 84078

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

At surface

620' FSL 526' FWL Section 8, T11S, R22E, S.L.M.

At proposed prod. zone

same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

26 miles Southeast of Ouray, UT

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

526'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED TO THIS WELL

640

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

N/A

19. PROPOSED DEPTH

6645'

20. ROTARY OR CABLE TOOLS

Rotary

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

5608'

22. APPROX. DATE WORK WILL START\*

A.S.A.P.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5# K55	0-350'	See attached cementing program description
7 7/8"	5 1/2"	15.5# K55	0-T.D. 6645	

See 10 Point Drilling Compliance Program

Attachments:

- Exhibit "A" - (10 Point Compliance Program)
- Exhibit "B" - BOP & Auxilliary Equipment
- Exhibit "C" - Cementing Program Description
- Certified Survey Plat
- 13 Point Surface Use Plans and Attachments
- Rig Layout
- Topo Map "A"
- Topo Map "B"

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 Bill Elliott TITLE District Superintendent DATE Aug 17, 1981

(This space for Federal or State office use)

PERMIT NO. (ORIG. SGD.) R. A. HENRICKS APPROVAL DATE FOR E. W. GUYNN  
 APPROVED BY Production Unit Supervisor TITLE DISTRICT OIL & GAS SUPERVISOR DATE SEP 25 1981  
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
\*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A

*S. Tate O & G*

United States Department of the Interior  
Geological Survey  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Diamond Shamrock  
Project Type Gas Well  
Project Location 620' FSL 526' FWL Section 8, T. 11S, R. 22E  
Well No. 14-8 Lease No. U-35012  
Date Project Submitted August 20, 1981

FIELD INSPECTION

Date September 9, 1981

Field Inspection  
Participants

Greg Darlington USGS, Vernal  
Cory Bodman BLM, Vernal  
Bill Elliot Diamond Shamrock  
Russ Ivie Diamond Shamrock  
Brad Weber Uintah Engineering  
Floyd Murray D. E. Casada

Related Environmental Documents: Unit Resource Analysis, Seep Ridge  
Planning Unit, BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

September 17, 1981  
Date Prepared

Gregory Darlington  
Environmental Scientist

I concur

SEP 18 1981  
Date

W.P. Martin FOR E. W. GUYNN  
District Supervisor DISTRICT OIL & GAS SUPERVISOR

Typing In 9-10-81 Typing Out 9-10-81

PROPOSED ACTIONS:

Diamond Shamrock plans to drill the Broken Arrow Federal #14-8 well, a 6645' gas test of various formations. A new access road of .6 miles length will be required to reach the location. A large low water crossing will be required near the pad and a smaller low water crossing is planned adjacent to the southwest side of the pad where the access road enters the pad. Dimensions of 165' by 325' for the pad and a trapezoidal shaped pit with sides 40', 150', 130', and 175' are planned for the location.

RECOMMENDED APPROVAL CONDITIONS:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD:

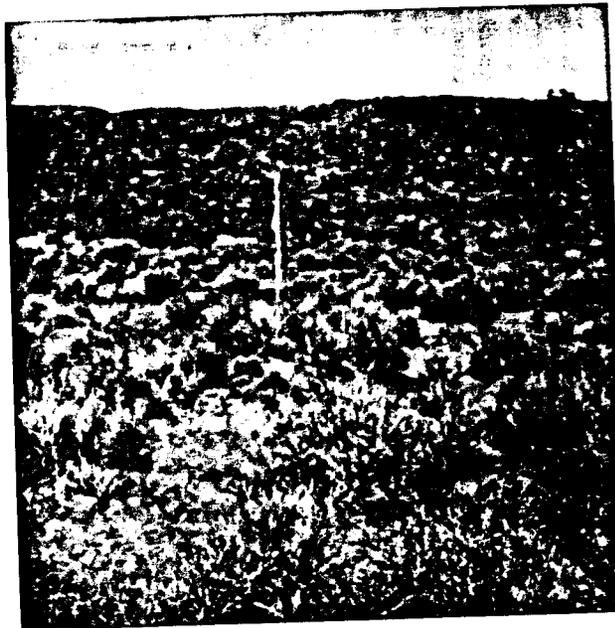
1. BLM Stipulations
2. Lease Stipulations
3. Provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report.

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)						
Public health and safety							1, 2, 4, 6	September 9 1981	
Unique characteristics							1, 2, 4, 6		
Environmentally controversial							1, 2, 4, 6		
Uncertain and unknown risks							1, 2, 4, 6		
Establishes precedents							1, 2, 4, 6		
Cumulatively significant							1, 2, 4, 6		
National Register historic places							1, 6		
Endangered/ threatened species							1, 6		
Violate Federal, State, local, tribal law							1, 2, 4, 6	↓	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey  
(Conservation Division, Geological Division, Water Resource Division,  
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement
8. *Onsite Requirements other than the items 1-7.*



*Northwest View  
Diamond Shamrock 14-8*



# United States Department of the Interior

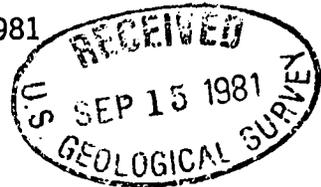
IN REPLY REFER TO

T & R  
U-802

BUREAU OF LAND MANAGEMENT

VERNAL DISTRICT OFFICE  
170 South 500 East  
Vernal, Utah 84078

September 11, 1981



Ed Guynn, District Engineer  
USGS, Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

Re: Diamond Shamrock  
Well #14-1 Sec. 1, T11S, R21E  
Well #14-8 Sec. 8, T11S, R22E  
Uintah County, Utah

Dear Sir:

A joint field examination was made on September 9, 1981, of the above referenced well site location and proposed access road. We feel that the surface use and operating plans are adequate with the following revisions and stipulations:

1. Construction and maintenance of roads, rehabilitation of disturbed areas and construction of pipeline routes, shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration."
2. Traveling off access road right-of-ways will not be allowed. The maximum width of access pads (both existing and planned) will be 30 feet total disturbed area. Roads will be crowned and properly maintained. Turn-outs will not be required.
3. The BLM will be notified a least 24 hours prior to any construction.
4. Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well sites. Refuse must be contained in trash cages and hauled to an approved disposal site.
5. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
6. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding or restoration requirements.



7. At well #14-1 the top 4-6 inches of topsoil will be stockpiled as addressed in the applicant's A.P.D.
8. At well #14-8 the top 4-6 inches of topsoil will be stockpiled between reference corners #2 and #3.
9. At well #14-8 the wash that passes near the reserve pit and stockpiled topsoil will be slightly diverted so that the walls of the reserve pit won't be washed out and the top soil washed away.
10. Production facilities will be painted with a color that will blend in with the surrounding environment.

An archaeological clearance has been conducted by A.E.R.C., of the proposed drill site and proposed access road. No cultural materials were located on the surface of the surveyed areas.

The proposed activities do not jeopardize listed, threatened, or endangered flora, fauna or their habitats.

The BLM representative will be Cory Bodman, 789-1362.

Sincerely,

*For: Karl J. Wright*  
Dean L. Evans  
Area Manager  
Bookcliffs Resource Area

cc: USGS, Vernal

CBodman:ram

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

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

SUBJECT: APD MINERAL EVALUATION REPORT

4-35012  
~~U-29797~~  
LEASE NO.

OPERATOR: ~~ENSENCO EXPL. INCORP.~~  
*Diamond Shamrock*

WELL NO. ~~4314-8~~

LOCATION:  $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$  sec. 8, T. 11S, R. 22E, SLM

Uintah County, UTAH

1. Stratigraphy: Surface rocks are of the Uintah Fms. The operator will test the Mesaverde at 5620' T.D. for this proposed well is at 7500'. Shamrock Oil & Gas Co. well 1-13 in sec. 13 of the same trap reports IFF 6200 MCF/DPD in the Wasatch Fm at 4214-27'. DeKalb Pet. Co. well 11 in T10S R22E S. 34 reports IFF 5380 MCF/DPD in the:

2. Fresh Water: Wasatch Fm at 5031'. Usable water sands may occur in the Uinta & Green River Fms.

3. Leaseable Minerals: Oil shale & other hydrocarbons (bituminous) may occur in the Green River Fm 800-4000'. The Mahogany oil shale zone may occur 4000-4500' (4000' approx horizon). This area may contain 6-5 feet of oil shale sequence that yields an average of 25 gallons per ton.

4. Additional Logs Needed: adequate.

5. Potential Geologic Hazards: none known.

6. References and Remarks: Cassion O.F. 1968 map USGS

Signature: amb

Date: 12-29-78

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

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

1a. TYPE OF WORK  
 DRILL  DEEPEN  **PLUG BACK**

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
 Diamond Shamrock

3. ADDRESS OF OPERATOR  
 85 South 200 East Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface: 620' FSL 526' FWL Section 8, T11S, R22E, S.L.M.  
 At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 26 miles Southeast of Ouray, UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 526'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 640

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

19. PROPOSED DEPTH 6645'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5608'

22. APPROX. DATE WORK WILL START\* A.S.A.P.

5. LEASE DESIGNATION AND SERIAL NO.  
 U-35012

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
 Broken Arrow Federal

8. FARM OR LEASE NAME

9. WELL NO.  
 #14-8

10. FIELD AND POOL, OR WILDCAT  
 Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 8, T11S, R22E, S.L.M.

12. COUNTY OR PARISH  
 Uintah

13. STATE  
 Utah

**RECEIVED**  
 AUG 13 1981  
 DIVISION OF  
 OIL, GAS & MINING  
 3W3W

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	54.5# K55	0-350'	See attached cementing program description
7 7/8"	5 1/2"	15.5# K55	0-T.D. 6645	

See 10 Point Drilling Compliance Program

Attachments:

- Exhibit "A" - (10 Point Compliance Program)
- Exhibit "B" - BOP & Auxilliary Equipment
- Exhibit "C" - Cementing Program Description
- Certified Survey Plat
- 13 Point Surface Use Plans and Attachments
- Rig Layout
- Topo Map "A"
- Topo Map "B"

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 Bill Elliott TITLE District Superintendent DATE Aug 17, 1981

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

Broken Arrow Federal #14-8

1. GEOLOGICAL NAME OF SURFACE FORMATION

(A) Uinta Formation of Eocene Age

2. TOPS OF IMPORTANT GEOLOGICAL MARKERS

(A) Mahogany Formation 841' Base

(B) Douglas Creek 2375'

(C) Wasatch FH 3790'

(D) Mesa Verde 6373'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL OR GAS

(A) Gas anticipated at 2375' in Douglas Creek Member  
(Water or Oil not anticipated)

(B) Gas anticipated in the Wasatch Formation 3790' and  
Mesa Verde 6373' Wasatch most likely.

4. PROPOSED CASING PROGRAM

(A) 350' of 13 3/8" surface casing 54.5 per foot.  
6645' of 5 1/2" 15.5# per foot (k-55).

5. SPECIFICATION FOR PRESSURE CONTROL EQUIPMENT

(A) 12 inch 3000# Double Hydraulic B.O.P. with pipe rams and  
blind rams and spherical BOP.

(B) B.O.P. to be pressure tested before spudding and daily testing  
of closing units and rams while drilling.

6. PROPOSED CIRCULATING MEDIUM

(A) Brine water is proposed to be used unless additional weight  
is needed to control pressures or heaving shale. In this  
event a chemical-gel fresh water mud will be used and Barite  
as needed to control pressure.

7. AUXILIARY EQUIPMENT TO BE USED

(A) Upper Kelly Cock

(B) Float at bit

(C) Floor T.I.W. Valve (Stabbing valve) for drill pipe

(D) Gas Detector Logging Unit

8. TESTING LOGGING AND CORING PROGRAM

Logging

(A) 30' from surface to 2500'  
10' from 2500' to T.D.

(B) Electric Logs  
DIL - SFL 8 5/8" casing to T.D.  
GR - BHC Sonic Surface to T.D.  
FDC - CNL 8 5/8" casing to T.D.  
Cyberlook 8 5/8" casing to T.D.

9. ANTICIPATED ABNORMAL PRESSURES, TEMPERATURES, OF HAZARDS

- (A) No abnormal pressures expected
- (B) No Hydrogen Sulfide Gas expected

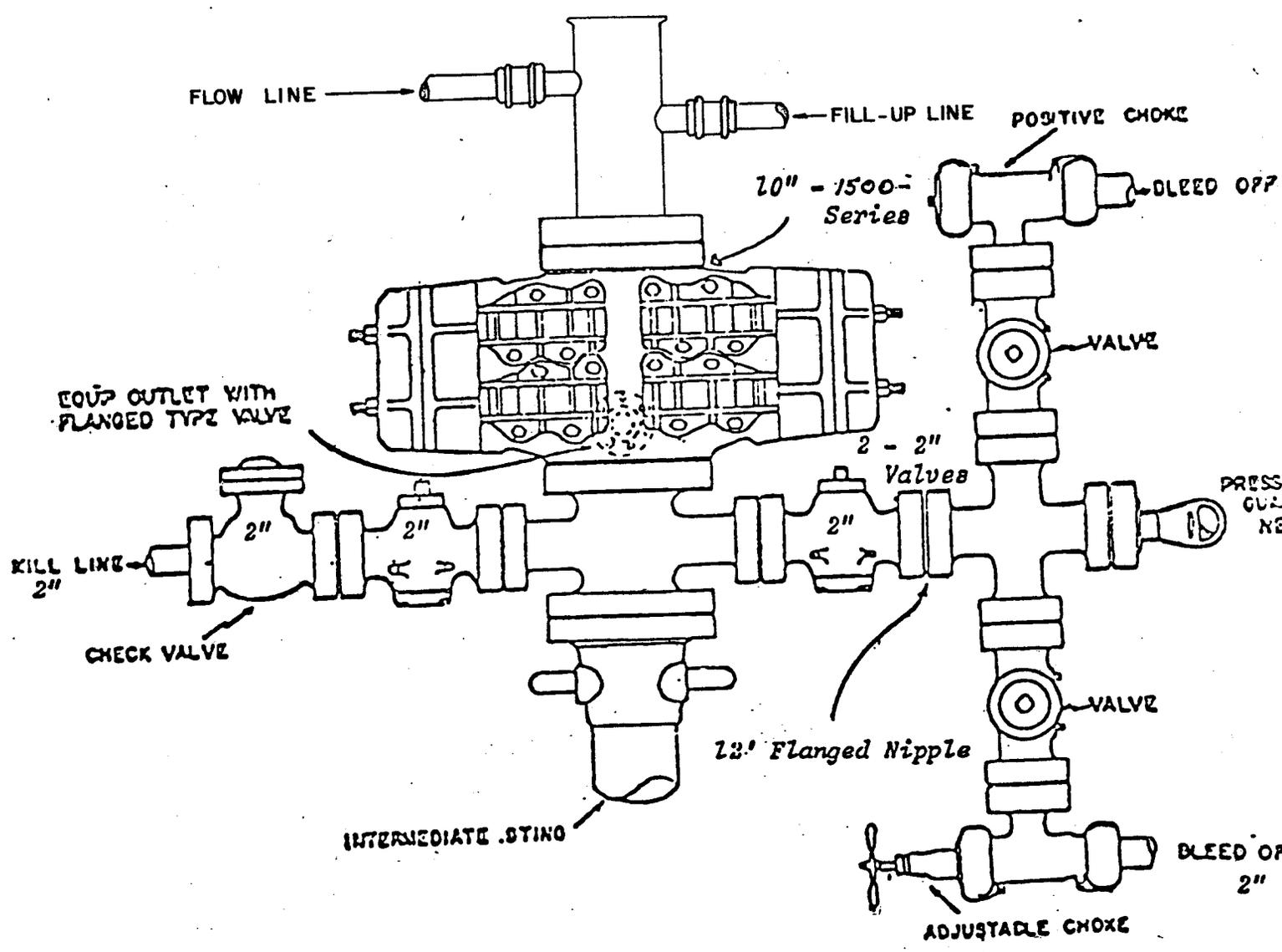
10. STARTING DATE AND DURATION OF OPERATIONS

- (A) Anticipated starting date as soon as approvals are made.
- (B) This well is anticipated to be drilled in approximately 30 days.

## CEMENTING PROGRAM DESCRIPTION

5½" casing will be run to T.D. as stated in the 10 point plan, part #4, of the Application for permit to Drill NTL-6, utilizing a multiple stage cementing collar at the base of the Mahogany Zone. The productive zones will be covered with cement through the bottom of the 5½" production casing. The multiple stage collar will then be opened and portions of the Mahogany Zone containing Hydrocarbons will be covered with a second stage of cement.

The Placement of the cementing collar and the quantities of cement pumped will be determined after the Electrical logs are evaluated. This procedure will isolate the Douglas Creek Aquifer from both the productive Zones below in the Wasatch and Mesaverde as well as from the Hydrocarbons present in the Mahogany. The upper water zone will be isolated from the hydrocarbon bearing portions of the Mahogany.



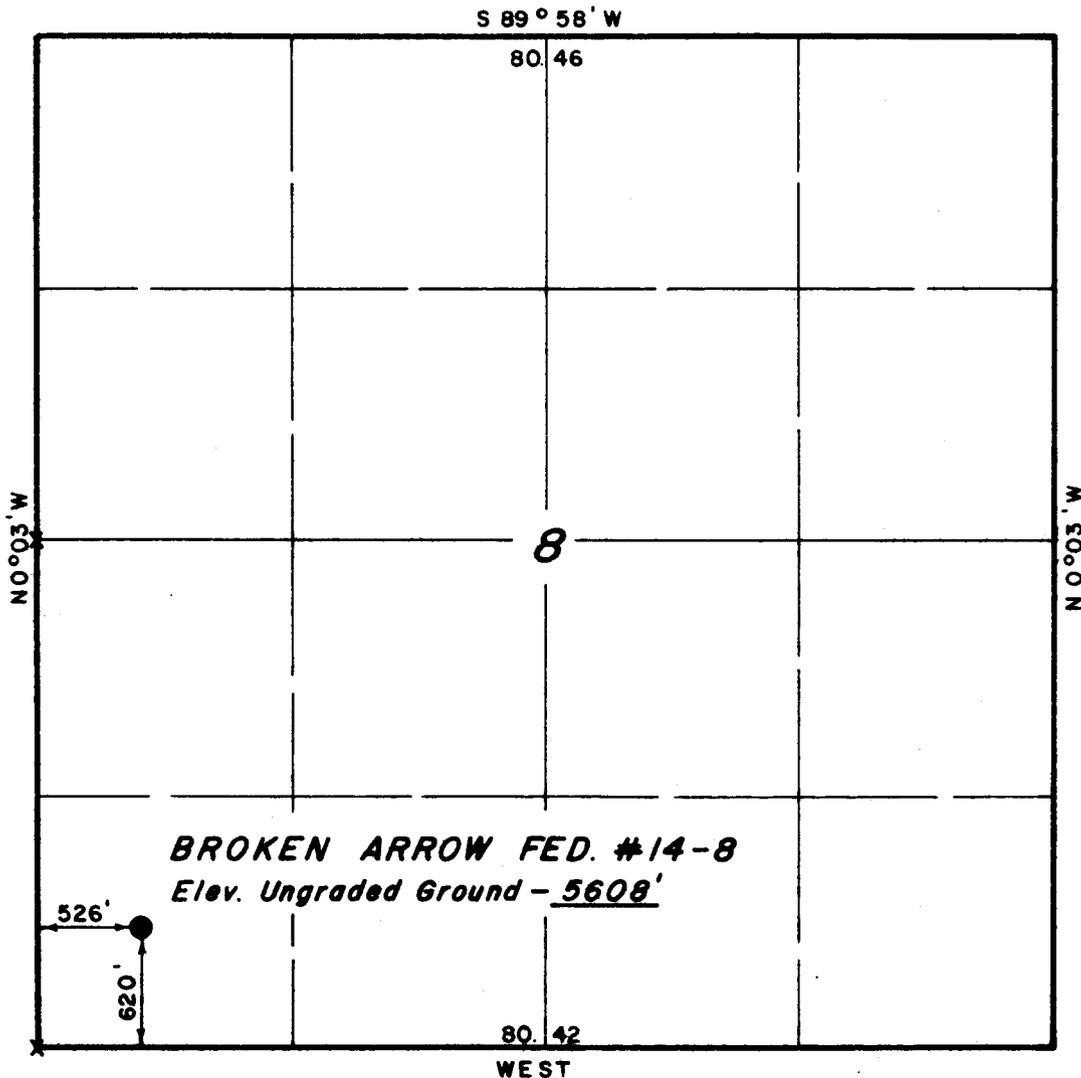
NOTE: BLOWOUT PREVENTER HAS DOUBLE RAMS; ONE BLIND AND ONE PIPE RAM.

Diag. A

T11S, R22E, S.L.B.&M.

PROJECT  
**DIAMOND SHAMROCK**

Well location, *BROKEN ARROW FED. #14-8*, located as shown in the SW 1/4 SW 1/4, Section 8, T11S, R22E, S.L.B.&M., Uintah County, Utah.



X = Section Corners Located



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.

*Gene Stewart*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 2454  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 85 SOUTH - 200 EAST  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	8/7/81
PARTY	NJM, HM, DH	REFERENCES	GLO PLAT
WEATHER	FAIR & HOT	FILE	DIAMOND SHAMROCK

DIAMOND SHAMROCK CORPORATION

13 Point Surface Use Plan

Well Location

Broken Arrow Federal #14-8

Located In

Section 8, T11S, R22E, S.L.B.& M.

Uintah County, Utah

DIAMOND SHAMROCK CORPORATION  
Broken Arrow Federal #14-8  
Section 8, T11S, R22E, S.L.B.& M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach DIAMOND SHAMROCK CORPORATION, well location site Broken Arrow Federal #14-8, located in the SW 1/4 SW 1/4 Section 8, T11S, R22E, S.L.B.& M., Uintah County, Utah:

Proceed Westerly out of Vernal, Utah along U.S Highway 40 - 14. miles to the junction of this road and Utah State Highway 209; proceed South along Utah State Highway 209 - 7 miles more or less to the junction of this highway and Utah State Highway 88, proceed South along Utah State Highway 88 - 10 miles to Ouray, Utah; proceed on South along a county road, known as the Seep Ridge Road 11.1 miles + to the junction of this road and an existing road to the East; proceed Easterly along this road 10.13 miles to its junction with a road to the South; proceed Southwesterly along the road 4.9 miles to its junction with the proposed access road (to be discussed in Item #2).

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

The highways mentioned in the foregoing paragraph are bituminous surfaced roads and are maintained by State road crews.

There is no anticipated construction on any of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase, of this well will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the SW 1/4 SE 1/4 Section 7, T11S, R22E, S.L.B.& M., and proceeds in a Easterly direction approximately 0.57 miles to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no culverts required along this access road.

There will be no turnouts required along this road. There will be one dry wash drainage crossing required. This crossing will be constructed according to the Specifications in the Oil & Gas Surface operations manual.

There are no fences encountered along this access road therefore there are no gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

### 3. LOCATION OF EXISTING WELLS

There are no known water wells, production wells, abandoned wells, temporarily abandoned wells, disposal wells, drilling wells, shut-in wells, injection wells, monitoring or observation wells for other resources located within a one-mile radius of this location site.

### 4. LOCATION OF EXISTING AND PROPOSED FACILITIES

A tank battery site will be set at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing facilities in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

There are no DIAMOND SHAMROCK wells or production facilities within a one-mile radius of this location site.

### 5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck over the existing roads and the proposed access road approximately 26 miles from the White River at a point where it crosses under the Seep Ridge road South of Ouray, Utah.

In the event that this source is not used, an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. Representative shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

#### 10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall will be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

#### 11. OTHER INFORMATION

##### The Topography of the General Area - (See Topographic Map "A")

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The White River is located approximately 16 miles to the North of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible are of the Uinta formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

DIAMOND SHAMROCK CORPORATION  
Broken Arrow Federal #14-8  
Section 8, T11S, R22E, S.L.B.& M.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush, some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B").

Broken Arrow Federal #14-8 is located approximately 200' East of a non-perennial drainage which drains to the North into Sand Wash a non-perennial drainage which runs to the North & East.

The terrain in the vicinity of the location slopes from the South through the location site to the Northwest at approximately a 7.0% grade.

The vegetation in the immediate area surrounding the location site consists of grasses and sparse amounts of sagebrush.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Bill Elliot  
DIAMOND SHAMROCK CORPORATION  
85 South 200 East  
Vernal, UT 84078

1-801-789-5270

DIAMOND SHAMROCK CORPORATION  
Broken Arrow Federal #14-8  
Section 8, T11S, R22E, S.L.B.& M.

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by DIAMOND SHAMROCK CORPORATION and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

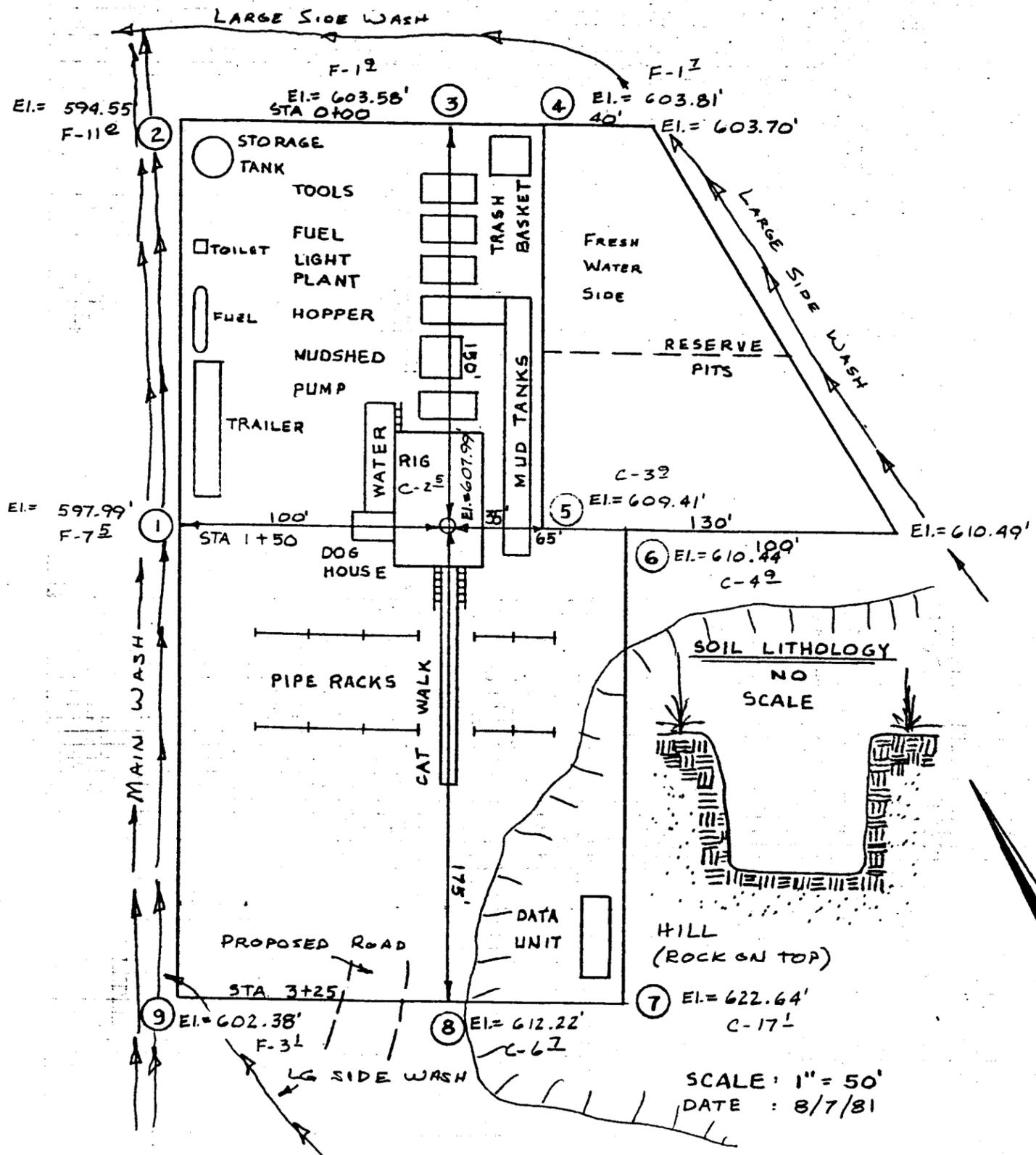
Aug 17, 1981  
Date

Bill Elliott  
Bill Elliot

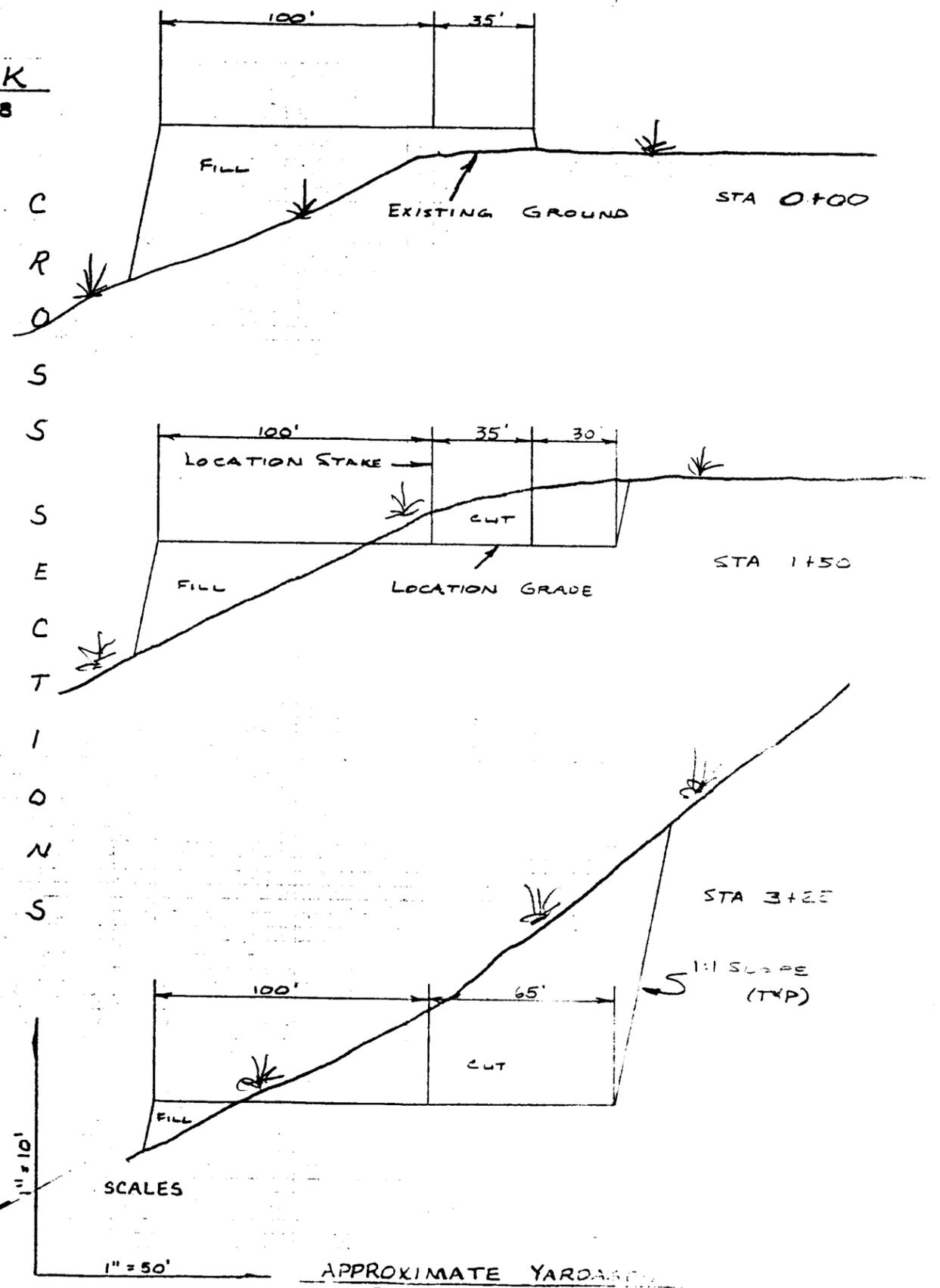


# DIAMOND SHAMROCK

BROKEN ARROW FED. #14-8

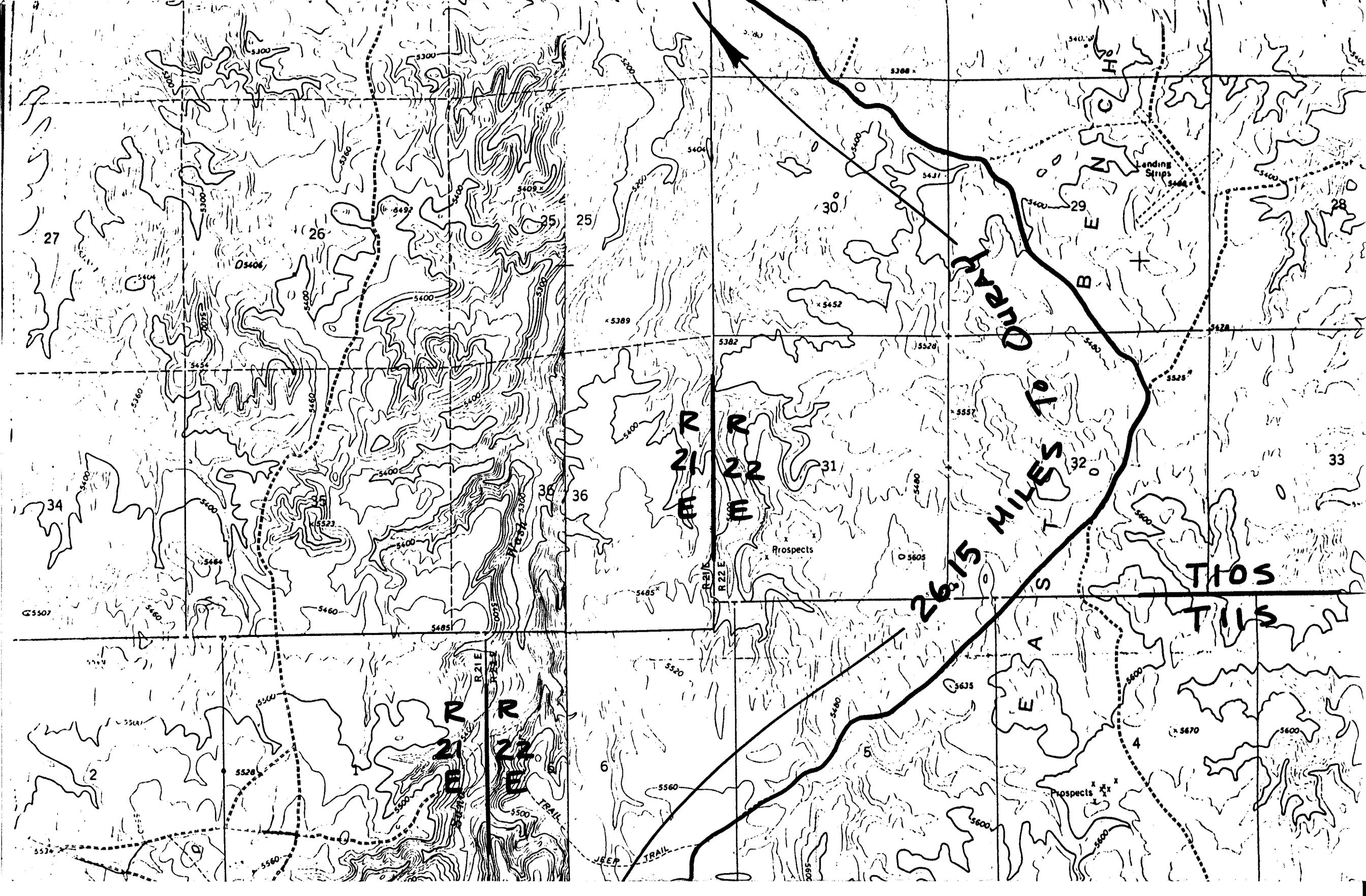


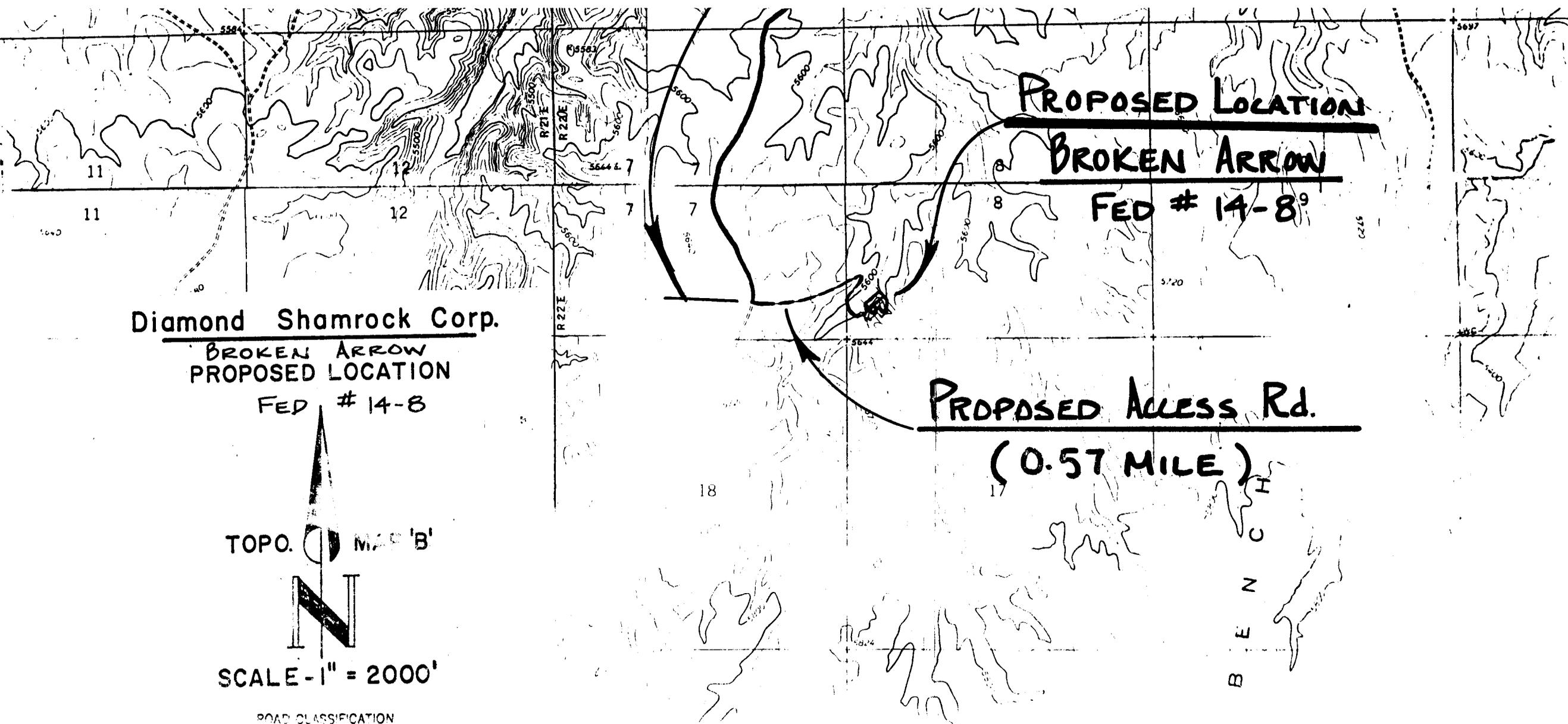
SCALE: 1" = 50'  
DATE: 8/7/81



APPROXIMATE YARDAGE

CU. YDS. CUT - 5165.97  
CU. YD.            4213.90





PROPOSED LOCATION

BROKEN ARROW

FED # 14-89

Diamond Shamrock Corp.

BROKEN ARROW  
PROPOSED LOCATION

FED # 14-8

PROPOSED ACCESS Rd.

(0.57 MILE)

TOPO. MAP 'B'



SCALE - 1" = 2000'

ROAD CLASSIFICATION

Medium-duty Light-duty

route

B  
E  
N  
C  
H

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

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

**1a. TYPE OF WORK**  
 DRILL       DEEPEN       PLUG BACK

**b. TYPE OF WELL**  
 OIL WELL       GAS WELL       OTHER

**2. NAME OF OPERATOR**  
 Diamond Shamrock

**3. ADDRESS OF OPERATOR**  
 85 South 200 East Vernal, UT 84078

**4. LOCATION OF WELL** (Report location clearly and in accordance with any State requirements.)\*  
 At surface: 620' FSL 526' FWL Section 8, T11S, R22E, S.L.M.  
 At proposed prod. zone: same  
*SWSW*

**14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\***  
 26 miles Southeast of Ouray, UT

**15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)**      526'

**16. NO. OF ACRES IN LEASE**      640

**17. NO. OF ACRES ASSIGNED TO THIS WELL**      640

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

**19. PROPOSED DEPTH**      6645'

**20. ROTARY OR CABLE TOOLS**      Rotary

**21. ELEVATIONS (Show whether DF, RT, GR, etc.)**  
 5608'

**22. APPROX. DATE WORK WILL START\***  
 A.S.A.P.

**RECEIVED**  
 AUG 20 1981  
 DIVISION OF OIL, GAS & MINING

**5. LEASE DESIGNATION AND SERIAL NO.**  
 U-35012

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME**

**7. UNIT AGREEMENT NAME**  
 Broken Arrow Federal

**8. FARM OR LEASE NAME**

**9. WELL NO.**  
 #14-8

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

**11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA**  
 Sec. 8, T11S, R22E, S.L.M.

**12. COUNTY OR PARISH**      **18. STATE**  
 Uintah      Utah

**23. PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
1 7/8"	13 3/8"	54.5# K55	0-350'	See attached cementing program description
7 7/8"	5 1/2"	15.5# K55	0-T.D. 6645	

See 10 Point Drilling Compliance Program

**Attachments:**

- Exhibit "A" - (10 Point Compliance Program)
- Exhibit "B" - BOP & Auxilliary Equipment
- Exhibit "C" - Cementing Program Description
- Certified Survey Plat
- 13 Point Surface Use Plans and Attachments
- Rig Layout
- Topo Map "A"
- Topo Map "B"

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 Bill Elliott TITLE District Superintendent DATE Aug 17, 1981

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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

CONDITIONS OF APPROVAL, IF ANY:

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**

DATE: 9-2-81  
 BY: M. J. Under

\*\* FILE NOTATIONS \*\*

DATE: Aug. 28, 1981

OPERATOR: Diamond Shamrock

WELL NO: Broken arrow Federal #14-8

Location: Sec. 8 T. 11S R. 22E County: Uintah

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-047-31067

CHECKED BY:

Petroleum Engineer: M. J. Minder 9-2-81

Director: \_\_\_\_\_

Administrative Aide: As per Rule C-3

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. \_\_\_\_\_

O.K. Rule C-3

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

Lease Designation

Plotted on Map

Hot Line

Approval Letter Written

P.I.

September 2, 1981

Diamond Shamrock  
85 South 200 East  
Vernal, Utah 84078

RE: Well No. Broken Arrow Federal #14-8,  
Sec. 8, T. 11S, R. 22E,  
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

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

MICHAEL T. MINDER - Petroleum Engineer  
Office: 533-3771  
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

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 43-047-31067.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

  
Michael T. Minder  
Petroleum Engineer

MTM/db  
CC: USGS

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIP  
(Other instructions  
verse side)

E-  
re-

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U - 35012

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Broken Arrow Fed.

8. FARM OR LEASE NAME

9. WELL NO.

# 14 - 8

10. FIELD AND POOL, OR WILDCAT  
Field

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

Sec. 8, T11S, R22E, S.L.M.

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1.

OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR

Diamond Shamrock

3. ADDRESS OF OPERATOR

85 South 200 East Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

620' FSL 526' FWL Section 8, T11S, R22E, S.L.B. & M. *2WSW*

14. PERMIT NO.

43-047-31067

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5608'

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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.)\*

This notice is to inform and notify you that we made an error in our T.D. Estimates on our A.P.D. in accordance with NTL - 6 Requirements on the above mentioned well, it is our intention to drill to a total depth of 7250' instead of the applied for 6645'. This extra depth will be a 7 7/8" hole and will be cased with 15.5# K55 5 1/2" casing. The placement of cementing collars and quantities will be determined after Electrical logs are made as stated in the NTL-6 package previously submitted for this well.

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 12-9-81

BY: M.T. Winder

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

SIGNED

Bill Elliott

TITLE

District Superintendent

DATE

12/4/81

(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**

**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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR  
5730 West Yellowstone- Casper, WY 82604

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 620' FSL, 526' FWL SW/SW  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-35012

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Broken Arrow Fed.

8. FARM OR LEASE NAME

9. WELL NO.  
14-8

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 8, T11S, R22E, S.1.M.

12. COUNTY OR PARISH  
13. STATE  
Utah Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5,608' GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>		<input type="checkbox"/>
(other)			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

IT IS PROPOSED THAT THE BROKEN ARROW FED. 14-8 BE PLUGGED AS FOLLOWS:

<u>DEPTH</u>	<u>CEMENT (SKS.)</u>	<u>FORMATION TOPS</u>
6,487'-6,287'	115 Class H	Top Oil Shale 721'
3,922'-3,722'	130 Class H	Base Oil Shale 1593'
2,499'-2,299'	115 Class H	Wasatch 3965'
957'- 757'	115 Class H	Mesa Verde 6423'
461'- 261'	150 Class H	T.D. 7200'
Surface Marker	10 Class H	

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED [Signature] TITLE Dist. Drlg. Supt. DATE 3-11-82

(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**

**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 Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR  
5730 West Yellowstone, Casper, WY 82604

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 620' FSL 526' FWL SW/SW  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-35012

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Broken Arrow Fed.

8. FARM OR LEASE NAME

9. WELL NO.  
14-8

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 8, T11S, R22E, S1E, M.

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5,608' GR.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input checked="" type="checkbox"/>
(other)			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)\*

WELL WAS PLUGGED AND ABANDONED AS FOLLOWS:

Depth	Cement (sks.)
6,487'-6,287'	115 Class H
3,922'-3,722'	130 Class H
2,499'-2,299'	115 Class H
957'- 757'	115 Class H
461'- 261'	150 Class H
Surface Marker	10 Class H

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

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

SIGNED [Signature] TITLE Dist. Drlg. Supt. DATE 3-11-82

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

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

SUBMIT IN DUPLICATE\*  
(See other instructions  
on reverse side)

13

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

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

2. NAME OF OPERATOR  
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR  
5730 West Yellowstone, Casper, WY 82604

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 620' FSL, 526' FWL SW/SW  
At top prod. interval reported below  
At total depth

14. PERMIT NO. 43-047-310  
DIVISION OF OIL, GAS & MINING  
MAR 15 1982  
SITE ISSUED 928/

5. LEASE DESIGNATION AND SERIAL NO.  
U-35012

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
Broken Arrow Fed.

7. UNIT AGREEMENT NAME  
Broken Arrow Fed.

8. FARM OR LEASE NAME

9. WELL NO.  
14-8

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 8, T11S, R22E, S.L.1

15. DATE SPUNDED 2-11-82  
16. DATE T.D. REACHED 2-25-82  
17. DATE COMPL. (Ready to prod.) N/A  
18. INTERVALS (OF, REB, RT, GR, ETC.)\* 608 GR.  
19. ELEV. CASINGHEAD 5,608 GR.

20. TOTAL DEPTH, MD & TVD 7,200' MD  
21. PLUG, BACK T.D., MD & TVD 7,200' MD  
22. IF MULTIPLE COMPL., HOW MANY\* N/A  
23. INTERVALS DRILLED BY ROTARY TOOLS 0-7,200'  
CABLE TOOLS N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
N/A

25. WAS DIRECTIONAL SURVEY MADE  
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DIL - SFL GR-BHC FDC-CNL Cyberlook

27. WAS WELL CORRED  
NO

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	350'	17 1/2"	490 sks.	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)
N/A	N/A	N/A	N/A	N/A

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A	N/A	N/A

31. PERFORATION RECORD (Interval, size and number)  
N/A

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
N/A	N/A

33.\* PRODUCTION

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

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

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

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

TEST WITNESSED BY  
N/A

35. LIST OF ATTACHMENTS  
N/A

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

SIGNED [Signature] TITLE Dist. Drlg. Supt. DATE 3-11-82

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





**COSEKA RESOURCES (U.S.A.) LIMITED**

200 WRITER SQUARE, 1512 LARIMER STREET, DENVER, COLORADO 80202-1602 (303) 573-6178

March 18, 1982

State of Utah  
Division of Oil, Gas & Mining  
4241 State Office Bldg.  
Salt Lake City, Utah 84114

Re: Pine Spring Unit  
8-20-14-22  
Uintah County, Utah

Gentlemen:

Enclosed, in duplicate, is the Well Completion Report for the above referenced well.

Thank you.

Very truly yours,

COSEKA RESOURCES (U.S.A.) LIMITED

*Arlene M. Creger (S.S.)*

Arlene M. Creger  
Production Administrator

/amc

Enclosures

*PPA*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
(FORM 9-329)  
(2/76)  
OMB 42-RO 356

MONTHLY REPORT  
OF  
OPERATIONS

Lease No. U-3501  
Communitization Agreement No. N/A  
Field Name Wildcat  
Unit Name Broken Arrow Federal  
Participating Area N/A  
County Uintah State Utah  
Operator Diamond Shamrock Corporation  
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of March, 1982

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
14-8	8 SW/SW	11S	22E	DRG.	2-26 2-27	Log Plug and Abandon,	Release Rig.		Broken Arrow Federal 14-8

\*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature:  Address: 5730 W. Yellowstone Casper, Wy.  
Title: Asst. Dist. Drlg. Supt. Page \_\_\_\_\_ of \_\_\_\_\_



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 8, 1982

Diamond Shamrock Corporation  
5730 West Yellowstone  
Casper, Wyoming 82604

Re: Well No. Allen Federal #21-5  
Sec. 5, T. 9S, R. 17E.  
Duchesne County, Utah

Well No. Broken Arrow Federal #14-8  
Sec. 8, T. 11S, R. 22E.  
Uintah County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office February 25, 1982 & March 11, 1982, from above referred to wells, indicates the following electric logs were run: DIL-SFL, FDC-CNL, Cyberlook & CBL; #14-8- DIL-SFL, BR-BHC, FDC-CNL, Cyberlook. As of todays date, this office has not received these logs: #21-5 Cyberlook; #14-8- GR-BHC & Cyberlook.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Clerk Typist