

**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 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR
 Drawer E, Vernal, Utah 84078 801-789-5270

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
 750' FWL 773' FSL Section 6, T9S, R17E, S.L.B. & M.
 At proposed prod. zone SWSW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 13 miles Southwest of Myton, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	750'	16. NO. OF ACRES IN LEASE	640
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	±1700'	19. PROPOSED DEPTH	5400'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5341'

5. LEASE DESIGNATION AND SERIAL NO.
 U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Allen Federal

8. FARM OR LEASE NAME

9. WELL NO.
 #14-6

10. FIELD AND POOL, OR WILDCAT
 Field Monument Butter

11. SEC., T., R., N., OR BLK. AND SURVEY OR AREA
 Sec. 6, T9S, R17E, S.L.B. & M.

12. COUNTY OR PARISH Duchesne	13. STATE Utah
---	--------------------------

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

20. ROTARY OR CABLE TOOLS
 Rotary

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

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24# K-55	250'	Circulate to surface
7 7/8"	5 1/2"	15.5# K-55	T.D. 5400'	300 Sacks

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up BOP as required and pressure test. Drill 7 7/8" hole to approximately 5400' if production is found feasible set 5 1/2" production casing.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**
 DATE: 7/16/81
 BY: [Signature]

RECEIVED
 JUN 25
 DIVISION OF
OIL, GAS & MINING

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

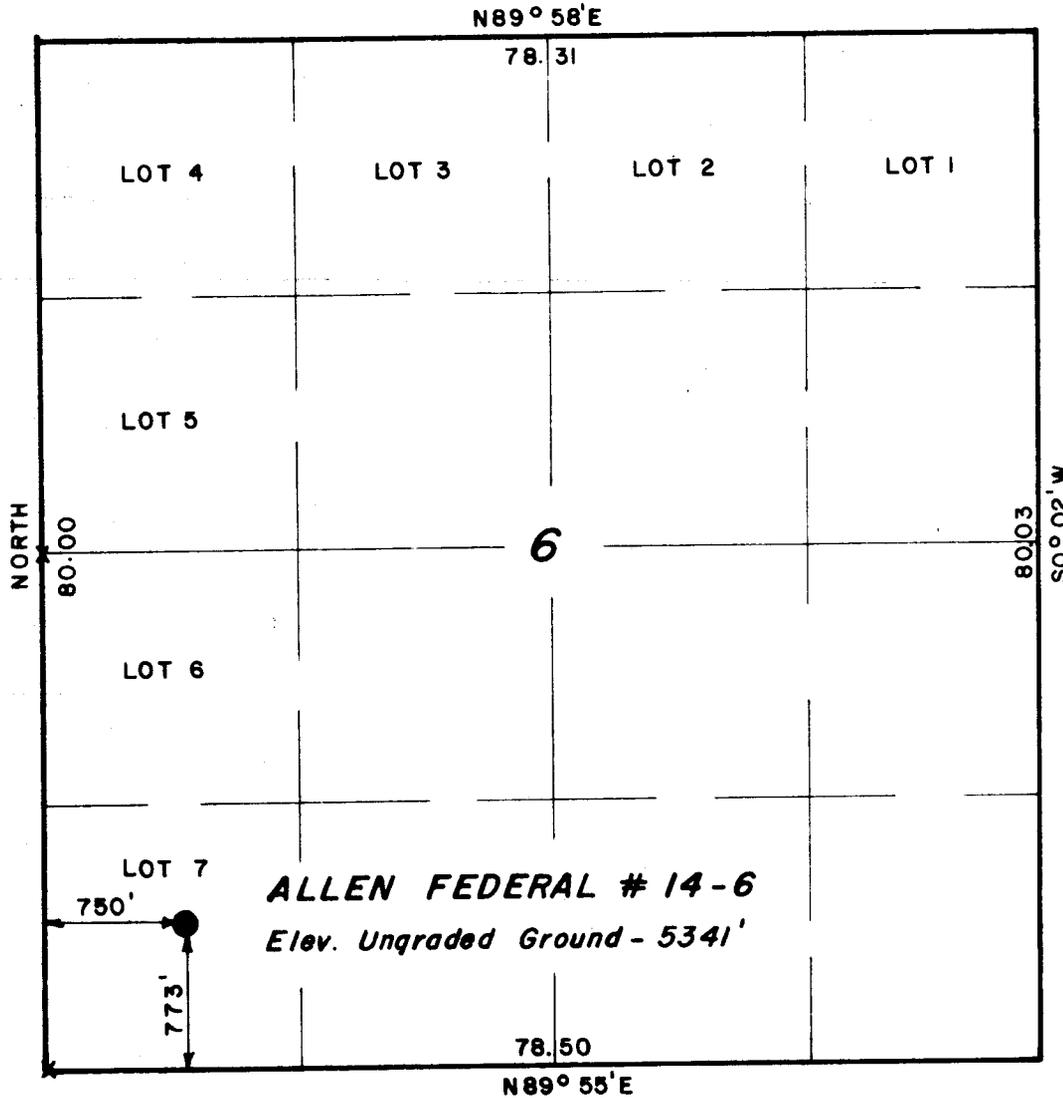
24. SIGNED Bill Elliott TITLE District Superintendent DATE June 22, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY: _____

T 9 S, R 17 E, S.L.B. & M.

PROJECT
DIAMOND SHAMROCK CORP.

Well location, **ALLEN FEDERAL # 14-6**
located as shown in Lot # 7 Section 6,
T9S, R17E, S.L.B. & M. Duchesne 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.

James Stewart
REGISTERED LAND SURVEYOR
REGISTRATION NO 3154
STATE OF UTAH

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

SCALE	1" = 1000'	DATE	6/19/81
PARTY	LT SH BW DM	REFERENCES	GLO Plat
WEATHER	Fair	FILE	DIAMOND SHAMROCK

Allen Federal #14-6

1. GEOLOGICAL NAME OF SURFACE FORMATION

(A) Uintah Formation of Eocene Age

2. TOPS OF IMPORTANT GEOLOGICAL MARKERS

- (A) Mahogany Formation 1577' Base 3177'
- (B) Douglas Creek V 5000'
- (C) Douglas Creek IV 5053'
- (D) Douglas Creek III 5197'
- (E) Douglas Creek II 5209'
- (F) Douglas Creek I 5254'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL OR GAS

- (A) Gas anticipated at 2600' in Evacuation Creek Member
(Water or Oil no anticipated)
- (B) Oil & Gas anticipated in Basal Green River Formation Douglas
Creek at 5400'

4. PROPOSED CASING PROGRAM

- (A) 250' of 8 5/8" surface casing 32# per foot.
5400' of 5 1/2" 15.5# per foot. (K-55)

5. SPECIFICATION FOR PRESSURE CONTROL EQUIPMENT

- (A) 12 inch 3000# Double hydraulic BOP with pipe rams and
blind rams and spherical BOP..
- (B) BOP 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

(A) Drill stem test of Evacuation Creek and Douglas Creek

(B) Will run dual lateral log, BHC, and CNL-FDC .

9. ANTICIPATED ABNORMAL PRESSURES, TEMPERATURES OF HAZARDS

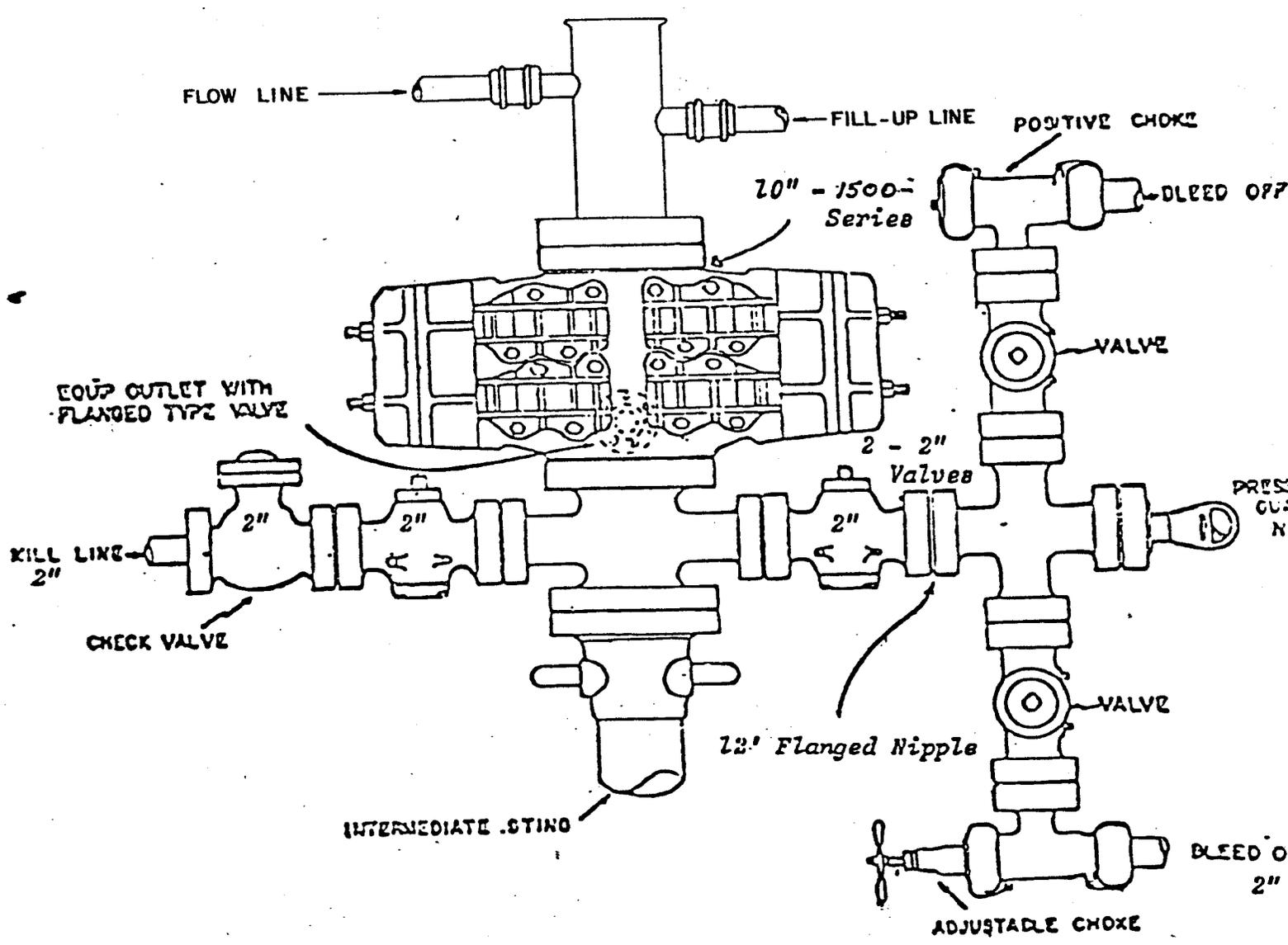
(A) No abnormal pressures expected

(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.



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

Diag. A

DIAMOND SHAMROCK CORPORATION

13 Point Surface Use Plan

Well Location

Allen Federal #14-6

Located In

Section 6, T9S, R17E, S.L.B.& M.

Duchesne County, Utah

DIAMOND SHAMROCK CORPORATION
Allen Federal #14-6
Section 6, T9S, R17E, S.L.B.& M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach DIAMOND SHAMROCK CORPORATION, well location site Allen Federal #14-6, located in the SW 1/4 SW 1/4 Section 6, T9S, R17E, S.L.B.& M., Duchesne County, Utah:

Proceed Westerly out of Vernal, Utah along U.S Highway 40 - 49.0 miles + to the junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 9.5 miles to its junction with an existing dirt road to the Southwest proceed Southwesterly along this road 1.9 miles to its junction with the proposed location site.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South; thereafter the road is constructed with existing materials and gravels. The highways are maintained by Utah State road crews. All other roads are maintained by County crews

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

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. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned road leaves the existing road described in Item #1 in the NE 1/4 SW 1/4 Section 6, T9S, R17E, S.L.B.& M., and proceeds in a Southerly direction approximately 0.4 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 one culvert required along this access road, it will be placed according to specifications for culvert placement found in the Oil & Gas Surface Operations Manual.

DIAMOND SHAMROCK CORPORATION
Allen Federal #14-6
Section 6, T9S, R17E, S.L.B.& M.

There will be no turnouts required along this road.

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 producing wells within a one mile radius of this location site. (See Topographic Map "B")

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 well 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.

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 15.4 miles from the Duchesne River at a point where it crosses under U.S. Highway 40.

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.

DIAMOND SHAMROCK CORPORATION
Allen Federal #14-6
Section 6, T9S, R17E, S.L.B.& M.

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 Green River is located approximately 14 miles to the Southeast 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
Allen Federal #14-6
Section 6, T9S, R17E, 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").

Allen Federal #14-6. is located near the bottom of Castle Peak Draw a non-perennial drainage which runs to the North & East.

The terrain in the vicinity of the location slopes from the Southwest through the location site to the Northeast at approximately a 4.2% 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
Allen Federal #14-6
Section 6, T9S, R17E, 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.

June 22, 1981
Date

Bill Elliott
Bill Elliot

Identification CER/EA No. 522-81

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 Oil Well - Development
Project Location 750' FWL & 773' FSL - Section 6, T. 9S, R. 17E
Well No. 14-6 Lease No. U-020252-A
Date Project Submitted June 23, 1981

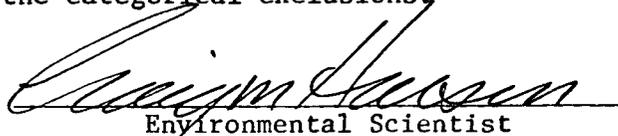
FIELD INSPECTION Date July 8, 1981

Field Inspection
Participants Craig Hansen USGS - Vernal, Utah
Gary Slagel BLM - Vernal, Utah
Bill Elliot Diamond Shamrock

Related Environmental Documents: _____

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.

July 9, 1981
Date Prepared


Environmental Scientist

I concur

JUL 10 1981
Date

 FOR E. W. GUYNN
District Supervisor DISTRICT ENGINEER

Typing In July 9, 1981 Typing Out July 9, 1981

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

Recommended Stipulations for Diamond Shamrock 14-6

1. Rotate location 180 degrees to accommodate reserve pits in stable cut material.
2. Access road will enter from #8 corner.
3. Production facilities will be painted a tan color to blend in with the natural surroundings.
4. Flowlines will follow existing access road to main transmission line.
5. Lengthen pad to 315' x 150' to accommodate rig.
6. Operator will adhere to cementing stipulations by Drilling Engineer.

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-020252-A

OPERATOR: Diamond Shamrock Corp.

WELL NO. 14-6

LOCATION: 1/2 SW 1/4 SW 1/4 sec. 6, T. 9 S., R. 17 E., SLB 1/4 M

Duchesne County, Utah

1. Stratigraphy:

Uintah - surface

Green River ~ 1120'

Douglas Creek ~ 4680'

TD 5400'

2. Fresh Water:

Fresh to usable H₂O possible in Uintah and Green River sandstones

3. Leasable Minerals:

oil shale in Green River. Mahogany bed is at ~ 2900'

operator expects gas @ ~ 2600' & oil & gas @ 5400'

4. Additional Logs Needed: A Leggett - log to top of Green River for oil shal.

5. Potential Geologic Hazards: None expected

6. References and Remarks:

USGS Files

USGS maps OM-171, MF-777

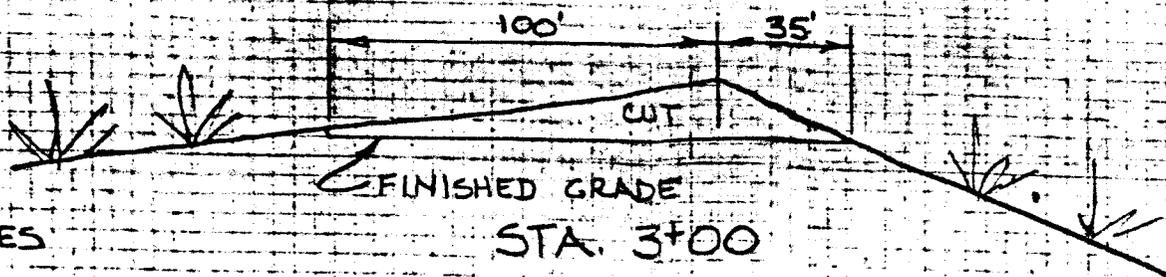
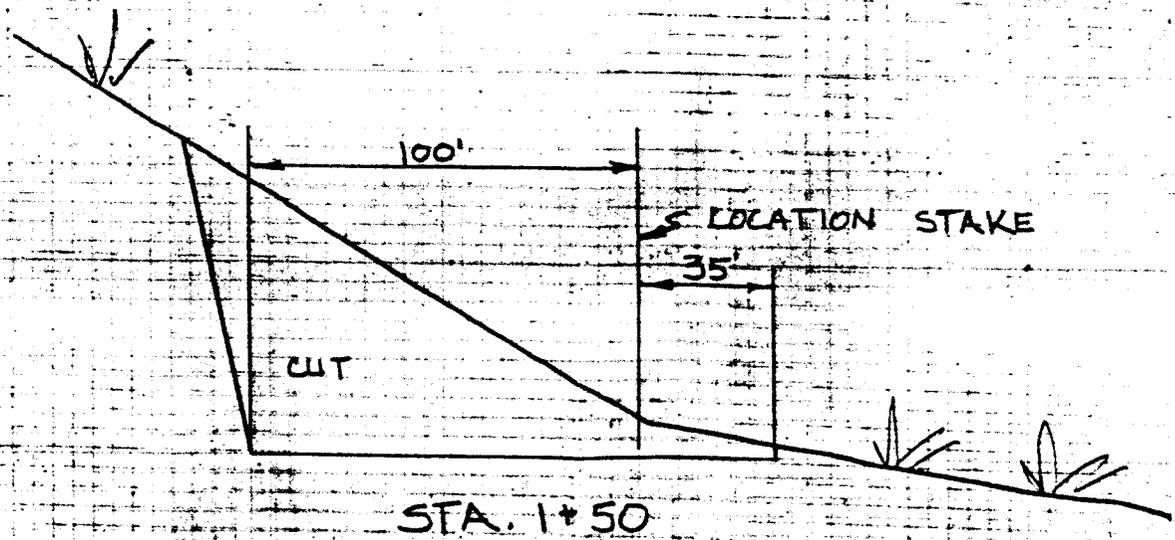
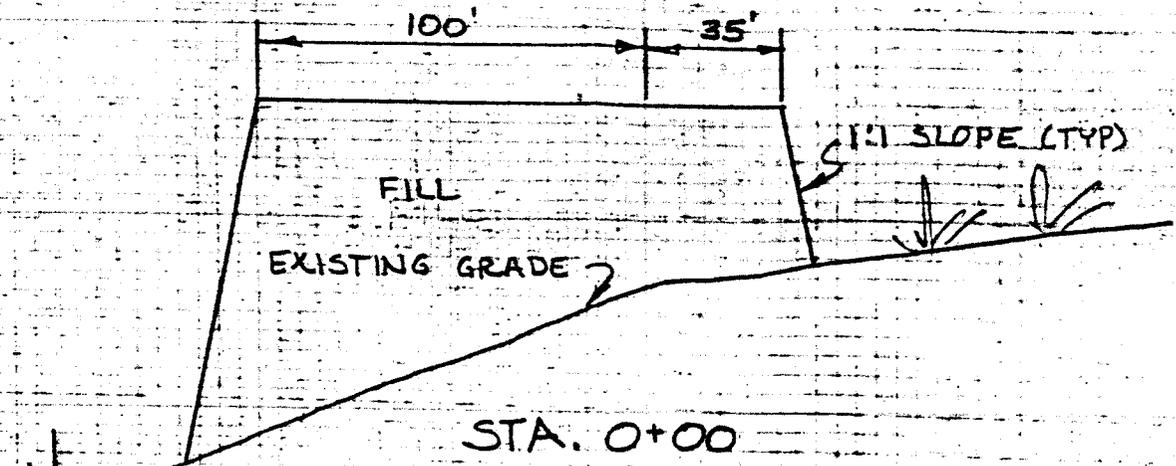
Signature: James A. Ford

Date: 7-17-81

DIAMOND SHAMROCK CORP.

ALLEN FEDERAL # 14-6

CROSS SECTIONS



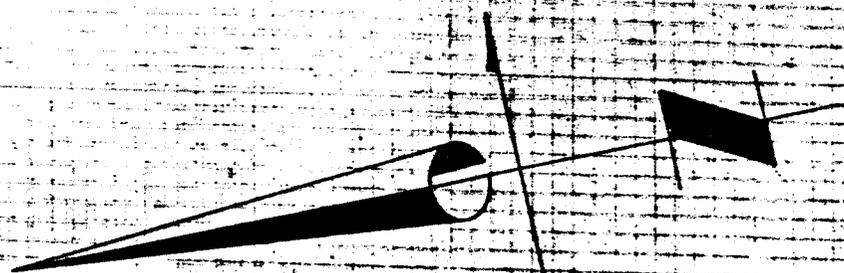
SCALES

1" = 50'

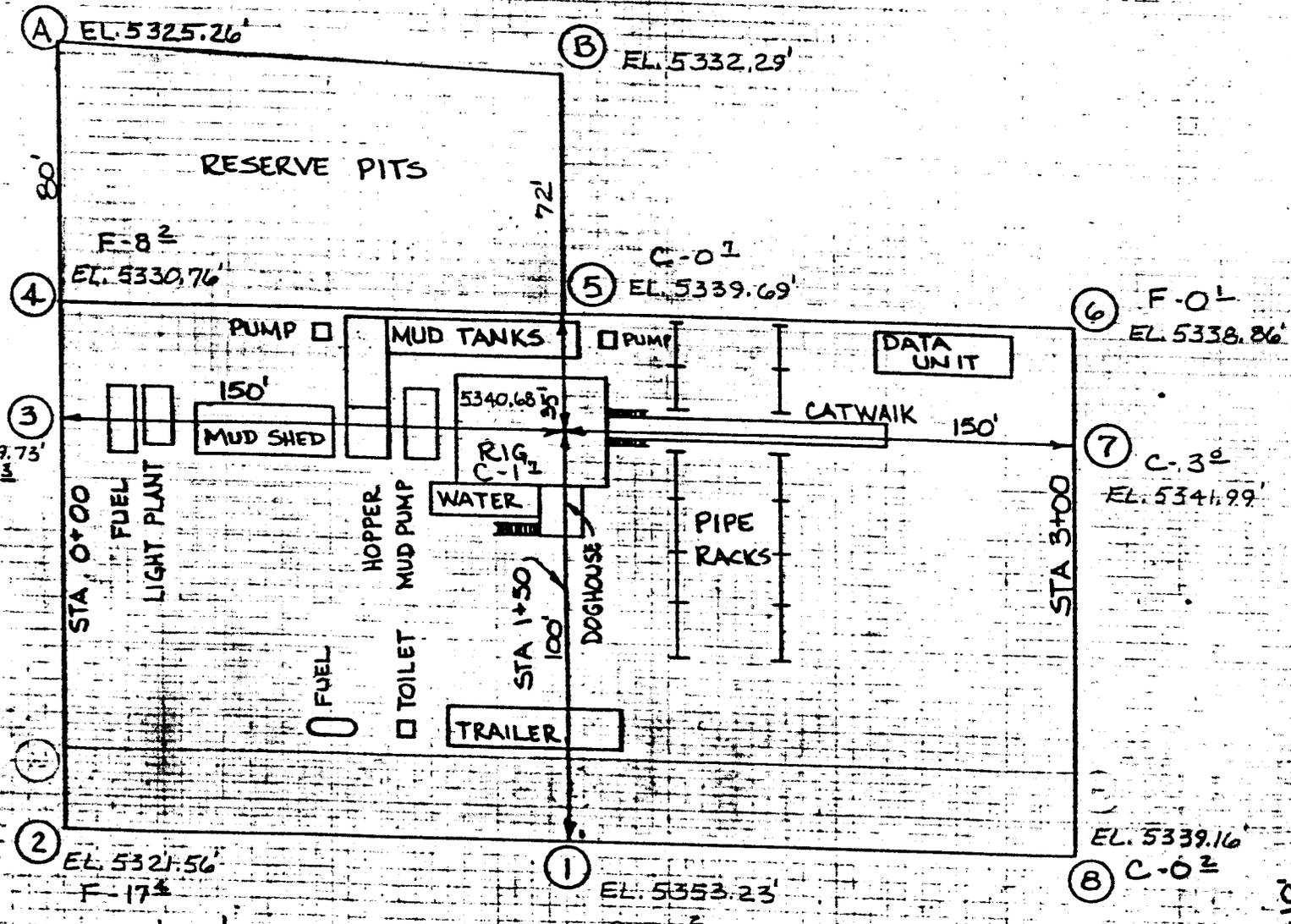
APPROX. YARDAGE

CUT - 5019.44 Cu. Yds.

FILL - 5092.50 Cu. Yds.



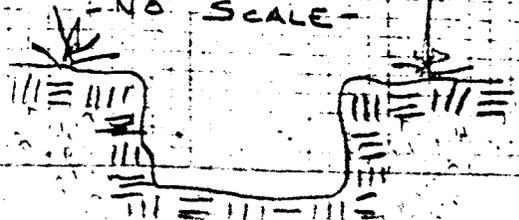
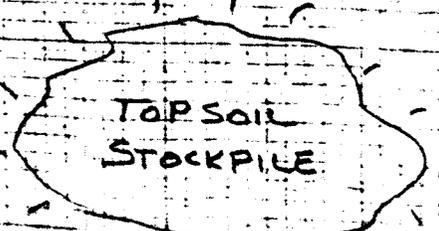
Scale: 1" = 50'



L. 5329.75'
F. 93

SOILS LITHOLOGY

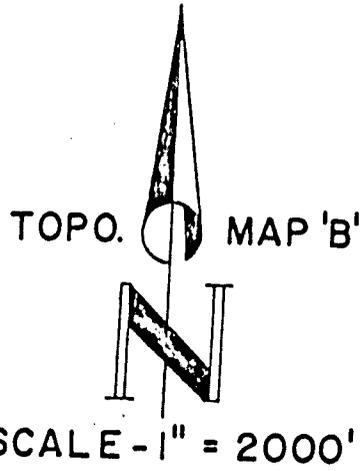
- NO SCALE -



LIGHT BROWN SANDY CLAY



Diamond Shamrock Corp.
Allen Fed. # 14-6
PROPOSED LOCATION

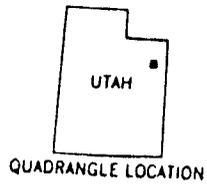


ROAD CLASSIFICATION

Medium-duty ——— Light-duty - - - - -

Unimproved dirt - - - - -

○ State Route



Highway 53 - 9.5 Miles
Myton, Utah - 13 Miles

8.6 Miles

Existing Access Road

Proposed Access Road

Proposed Location

Allen Fed. # 14-6

** FILE NOTATIONS **

DATE: July 8, 1981

OPERATOR: Diamond Shamrock Corp.

WELL NO: Allen Federal #14-6

Location: Sec. 6 T. 9S R. 17E County: Duchesne

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-013-30585

CHECKED BY:

Petroleum Engineer: _____

Director: OK su Statute on 13-5

Administrative Aide: as per Rule C-3, OK on boundaries, can be approved as an oil well only.

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 Fed

Plotted on Map

Approval Letter Written

Hot Line

P.I.

July 17, 1981

Diamond Shamrock Corp.
85 South 200 East
Vernal, Utah 84078

RE: Well No. Allen Federal #14-6
Sec. 6, T. 9S, R. 17E
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. However, this may be completed as an oil well only.

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: 533-5771
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 43-013-30585.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Director

CBF/db
CC: USGS

**UNITED STATES
DEPARTMENT OF THE INTERIOR
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DIVISION OF OIL, GAS & MINING

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NEED TO PROTECT FRESH WATERS AND OIL SHALE

Drill 12 1/2" hole to approximately 250' set 8 5/8" casing, set up BOP as required and pressure test. Drill 7 7/8" hole to approximately 5400' if production is found feasible set 5 1/2" production casing.

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 June 22, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY W. W. Mouton FOR E. W. GUYNN DISTRICT ENGINEER DATE JUL 21 1981
 CONDITIONS OF APPROVAL, IF ANY: _____ TITLE _____

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

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A
 DATED 1/1/80

State of UT



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

IN REPLY REFER TO

T & R
(U-801)

July 9, 1981

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

Re: Onsite Inspection
Diamond Shamrock
T9S, R17E, Sec. 6
Allen Federal 14-6, 41-6

Dear Mr. Guynn:

On July 8, 1981 a joint onsite inspection was made of the above referenced well site locations and proposed access roads by people representing Casada Construction, Diamond Shamrock Corporation, USGS, and the BLM. We feel that the surface use and operating plans are adequate with the following 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 booklet, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. The maximum width of access roads will be 30 feet total disturbed area. Turnouts will not be required and traveling off the right-of-way will not be allowed.
3. Topsoil will be stockpiled as addressed in the applicants 13 point plan. Our office recommends the top 6-10 inches of soil materials be stockpiled.
4. The BLM will be notified at least 24 hours prior to any construction.
5. The BLM will be notified at least 24 hours prior to any rehabilitation.



6. A burn pit will not be constructed. There will be no burying of garbage or trash at the location. All trash must be contained and hauled to an approved disposal site.
7. All permanent (on site for six (6) months duration or longer) structures constructed or installed shall be painted a flat (non-reflective) earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone, or an approved equal. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) standards are excluded.
8. The pad at location #14-6 will be rotated 180⁰ so as to accommodate better material for pit excavation.
9. The pad at location #14-6 will be lengthened to 315' x 150'.
10. The access road for location #14-6 will enter the pad at corner #8.
11. At location #41-6, the entire pad will be moved 100 feet south so as to miss an archaeological site.

An archaeological clearance has been conducted by Archaeological-Environmental Research Corporation of the proposed drill sites and access roads. Clearance is recommended as long as the above stipulations are adhered to.

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

Sincerely,


Ralph J. Heft
Area Manager
Diamond Mountain Resource Area

cc: USGS, Vernal
Diamond Shamrock, Vernal

NOTICE OF SPUD

Diamond Shamrock Corp. *Diamond Shamrock Corp.*

Caller: Jim Paskuski

Phone: _____

Well Number: allen federal #14-6

Location: SUW SW 6-95-17E

County: Duckhorn State: WV

Lease Number: U-020252-A

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: 8/27/81 2:00 a.m.

Dry Hole Spudder/Rotary: _____

Details of Spud (Hole, Casing, Cement, etc.) 12 1/2" hole

Rotary Rig Name & Number: Lupton Explorator #2

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: Vicki

Date: 8/28/81

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 W. Yellowstone, Casper, Wyoming 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 750' FWL, 773' FSL SW/SW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

DIVISION OF
OIL, GAS & MINING

5. LEASE
U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Allen Federal

9. WELL NO.
14-6

10. FIELD OR WILDCAT NAME
Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 6, T9S, R17E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5,341' 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 type="checkbox"/>
(other) Spud	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

(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.)*

Spudded: 2:00 A.M. 8-27-81.

Drilled 12 1/2" hole to 285' and set 285' 24#, K-55, cemented to surface with 235 sxs.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED James M. Pachubki TITLE Environment & Regulation Engineer DATE 9-2-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

FAA

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 Dry

2. NAME OF OPERATOR
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR
5730 W. Yellowstone Casper, Wyoming 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 750' FWL, 773' FSL SW/SW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Allen Federal

9. WELL NO.
14-6

10. FIELD OR WILDCAT NAME
Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 6, T9S, R17E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5,361' 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)	<input type="checkbox"/>	<input type="checkbox"/>

(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:

- 83 sxs. 4,600'-4,400'
- 83 sxs. 2,900'-2,700'
- 83 sxs. 1,900'-1,700'
- 40 sxs. 400'- 250'
- 10 sxs. with marker

All plugs were displaced with heavy drilling mud.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED *Wes Shuler* TITLE Dist. Drlg. Supt. DATE 9-22-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

PSA

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 Dry

2. NAME OF OPERATOR
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR
5730 W. Yellowstone Casper, Wyoming 82601

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 750' FWL, 773' FSL SW/SW
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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)			

5. LEASE
U-020252-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Allen Federal

9. WELL NO.
14-6

10. FIELD OR WILDCAT NAME
Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 6, T9S, R17E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5,341' GR

(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.)*

Plan to plug and abandon well as follows:

5400 - 5300	4,650' - 4,450'	83 sxs.
3100 - 2800	2,900' - 2,700'	83 sxs.
1650 - 1450	1,900' - 1,700'	83 sxs.
	<u>400' - 280'</u>	40 sxs.
	<u>100' - 200'</u>	10 sxs.

FORMATION TOPS	
Oil Shale	1,513'
Base Oil Sh.	3,110'
Garden Gulch	3,652'
Douglas Creek	4,652'
K. Mark	5,018'

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

DATE: 12-9-81 SEP 25 1981

BY: M. J. Windy

Subsurface Safety Valve: Manu. and Type _____ DIVISION OF OIL, GAS & MINING Set @ _____ FL

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

SIGNED [Signature] TITLE Dist. Drlg. Supt. DATE 9-22-81

(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

SUBMIT IN DUPLI

(See other instructions on reverse side)

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

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. RESVR. Other _____

2. NAME OF OPERATOR
Diamond Shamrock Corporation

3. ADDRESS OF OPERATOR
5730 W. Yellowstone Casper, Wyoming 82601

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 750' FWL, 773' FSL SW/SW
 At top prod. interval reported below
 At total depth

DIVISION OF OIL, GAS & MINING

14. PERMIT NO. 43-013-305851 DATE ISSUED 7-16-81

5. LEASE DESIGNATION AND SERIAL NO.
U-020252-A
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 7. UNIT AGREEMENT NAME
 8. FARM OR LEASE NAME
Allen Federal
 9. WELL NO.
14-6
 10. FIELD AND POOL, OR WILDCAT
Monument Butte
 11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 6, T9S, R17E
 12. COUNTY OR PARISH
Duchesne
 13. STATE
Utah

15. DATE SPUNDED 8-27-81 16. DATE T.D. REACHED 9-14-81 17. DATE COMPL. (Ready to prod.) NA 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5,341' GR. 19. ELEV. CASINGHEAD
 20. TOTAL DEPTH, MD & TVD 5,410' 21. PLUG, BACK T.D., MD & TVD NA 22. IF MULTIPLE COMPL., HOW MANY* NA 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS
 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NA 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN
Compensated Neutron-Density, Computer Processed Log, Dual Induction
 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	280' KB	12 1/2"	235 sxs.	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
NA				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
NA	NA	NA

31. PERFORATION RECORD (Interval, size and number)
NA

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

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

33.* PRODUCTION

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

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

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

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

TEST WITNESSED BY
NA

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 Wes Childers TITLE Dist. Drlg. Supt. DATE 9-22-81

*(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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS
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P&A

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Diamond Shamrock Corporation

WELL NAME: Allen Fed. 14-6

SECTION 6 TOWNSHIP 9S RANGE 17E COUNTY Duchesne

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

TOTAL DEPTH: 5410'

CASING PROGRAM:

8 5/8", 24# @ 280'

FORMATION TOPS:

Uintah surface	
Oil shale top	1513
Oil shale mahogany	- 2900+
Garden Gulch	3652
Douglas Creek	4652
K Marker	5018

PLUGS SET AS FOLLOWS:

1. 5400 - 5300
2. 4650 - 4450
3. 3100 - 2800
4. 1650 - 1450
5. 400 - 230
6. 50 - surface

Place 9.2#, 50 vis. fresh water gel based abandonment mud between plugs; clean, restore and regrade site, erect regulation dryhole marker.

DATE December 9, 1981

SIGNED

M.T.M.

M.T.M. [Signature]



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

January 13, 1982

Diamond Shamrock Corporation
5730 W. Yellowstone
Casper, Wyoming 82601

Re: Well No. Allen Federal #14-6
#43-6
#34-6

Sec. 6, T. 9S, R. 17E
Duchesne County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office 9-22-81, 12-18-81 and 12-18-81, from the above referred to wells, indicates the following electric logs were run: #14-6, Compensated Neutron Form, Density, Computer Processed Log, Dual Induction-- #43-6, Acoustic cement bond - Gamma Ray Log, DI-SFL, CN-FD--#34-6, Density Dual Induction & CBL. As of todays date, this office has not received these logs: #14-6, Computer Processed Log-- #43-6, Acoustic cement bond - Gamma Ray Log-- #34-6, Density Dual Induction & CBL.

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

State : Utah SL Merid 9S - 17E - 6 sw sw

85

County: DUCHESNE Oper: DIAMOND SHAMROCK O&G CO

Field : MONUMENT BUTTE Compl: 09/16/1981 D D P&A

Well: ALLEN FEDERAL #14-6 Last Info: 03/26/1985

Ftg: 773 fsl 750 fwl

Obj: 5400 Test Permit #: 07/17/1981 API: 43-013-3058500

Elev: 5350KB

Spud: 08/27/1981

TD: 5410 on 09/14/1981 K mkr

Elev: 5350KB FORMATION TOPS (Type: L=Log S=Sample V=True Vertical)
(Source: H=Scout,T=Govt,S=Shell,G=USGS,N=NDGS)

Formation	Depth	Elev T/S	Formation	Depth	Elev T/S
oil shale	1513	3837 L H	Douglas Creek	4652	698 L H
bs oil sh	3110	2240 L H	K mkr	5018	332 L H
Garden Gulch	3652	1698 L H			

Casing: 9 5/8 @ 285 w/235

Core : None

DST : None reported

Logs : CNL-FDC DIL Computer Processed Log

Journl: 10/2/81 spudded, drld ahead - no further details yet available.
10/21/81 plugged & abandoned.